

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000057.D
 Acq On : 17 Sep 2019 13:38
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 16:30:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	126010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	238429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	66287	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	7.71	113	64981	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	
50) Toluene-d8	10.18	98	271065	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.48	95	92550	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	43507	50.063	ug/l	92
3) Chloromethane	2.11	50	54939	47.851	ug/l	94
4) Vinyl Chloride	2.25	62	65453	46.551	ug/l	95
5) Bromomethane	2.64	94	42861	49.244	ug/l	91
6) Chloroethane	2.78	64	44875	47.614	ug/l	95
7) Trichlorofluoromethane	3.12	101	91866	47.254	ug/l	91
8) Diethyl Ether	3.53	74	37147	44.626	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62946	47.195	ug/l	99
10) Methyl Iodide	4.08	142	65888	47.504	ug/l	100
11) Tert butyl alcohol	4.96	59	40336	234.689	ug/l	98
12) 1,1-Dichloroethene	3.87	96	56293	45.785	ug/l	87
13) Acrolein	3.73	56	16925	192.548	ug/l	93
14) Allyl chloride	4.48	41	87848	46.748	ug/l	100
15) Acrylonitrile	5.17	53	117139	234.678	ug/l	99
16) Acetone	3.95	43	84998	251.808	ug/l	88
17) Carbon Disulfide	4.18	76	100118	46.015	ug/l #	95
18) Methyl Acetate	4.48	43	48996	43.447	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	178158	46.368	ug/l	100
20) Methylene Chloride	4.71	84	69372	43.688	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	61914	45.301	ug/l	98
22) Diisopropyl ether	6.12	45	200936	47.327	ug/l	98
23) Vinyl Acetate	6.06	43	690672	243.061	ug/l	97
24) 1,1-Dichloroethane	6.01	63	118536	47.170	ug/l	96
25) 2-Butanone	6.99	43	146089	238.945	ug/l	99
26) 2,2-Dichloropropane	6.98	77	108176	45.615	ug/l	97
27) cis-1,2-Dichloroethene	6.98	96	81838	47.292	ug/l	98
28) Bromochloromethane	7.34	49	53954	46.320	ug/l	96
29) Tetrahydrofuran	7.35	42	89312	243.335	ug/l	97
30) Chloroform	7.50	83	124028	47.826	ug/l	98
31) Cyclohexane	7.79	56	89640	50.297	ug/l	92
32) 1,1,1-Trichloroethane	7.70	97	100686	47.801	ug/l	98
36) 1,1-Dichloropropene	7.92	75	82613	46.338	ug/l	98
37) Ethyl Acetate	7.07	43	60678	51.061	ug/l	98
38) Carbon Tetrachloride	7.90	117	84187	50.033	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	105343	48.054	ug/l	94
40) Benzene	8.16	78	280271	47.598	ug/l	99
41) Methacrylonitrile	7.35	41	78780	97.608	ug/l #	40
42) 1,2-Dichloroethane	8.24	62	73309	47.002	ug/l	99
43) Isopropyl Acetate	8.28	43	112848	48.556	ug/l	99
44) Trichloroethene	8.94	130	70448	46.831	ug/l	93
45) 1,2-Dichloropropane	9.22	63	71252	46.712	ug/l	98
46) Dibromomethane	9.31	93	39511	47.423	ug/l	98
47) Bromodichloromethane	9.49	83	99838	49.382	ug/l	93
48) Methyl methacrylate	9.29	41	48037	46.998	ug/l	95
49) 1,4-Dioxane	9.30	88	16026	990.709	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	314975	248.222	ug/l	99
52) Toluene	10.24	92	180843	48.340	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	104642	48.815	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	117082	47.297	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	65295	49.988	ug/l	97
56) Ethyl methacrylate	10.51	69	90497	48.688	ug/l	98
57) 1,3-Dichloropropane	10.79	76	104321	47.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	231570	230.472	ug/l	100
59) 2-Hexanone	10.84	43	231959	256.233	ug/l	98
60) Dibromochloromethane	10.98	129	66535	48.621	ug/l	99
61) 1,2-Dibromoethane	11.09	107	57794	48.441	ug/l	100
64) Tetrachloroethene	10.71	164	61822	48.025	ug/l	97
65) Chlorobenzene	11.51	112	195613	48.217	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	67440	49.165	ug/l	99
67) Ethyl Benzene	11.59	91	350862	48.460	ug/l	96
68) m/p-Xylenes	11.70	106	270474	98.178	ug/l	98
69) o-Xylene	12.03	106	130413	48.889	ug/l	100
70) Styrene	12.04	104	232151	49.574	ug/l	99
71) Bromoform	12.21	173	41576	52.355	ug/l #	100
73) Isopropylbenzene	12.33	105	351622	47.449	ug/l	100
74) N-amyl acetate	12.14	43	105348	49.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	82613	47.358	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	109474	84.615	ug/l #	100
77) Bromobenzene	12.60	156	73700	47.628	ug/l	98
78) n-propylbenzene	12.67	91	432439	47.839	ug/l	100
79) 2-Chlorotoluene	12.76	91	240144	47.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	297715	48.498	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	31125	46.268	ug/l	95
82) 4-Chlorotoluene	12.85	91	249894	47.821	ug/l	98
83) tert-Butylbenzene	13.07	119	249729	47.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	293520	48.500	ug/l	99
85) sec-Butylbenzene	13.25	105	369115	47.570	ug/l	99
86) p-Isopropyltoluene	13.37	119	316889	48.180	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	151859	49.473	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	153389	49.730	ug/l	98
89) n-Butylbenzene	13.69	91	325208	48.064	ug/l	99
90) Hexachloroethane	13.96	117	63651	49.247	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	138740	48.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	15012	48.334	ug/l	96

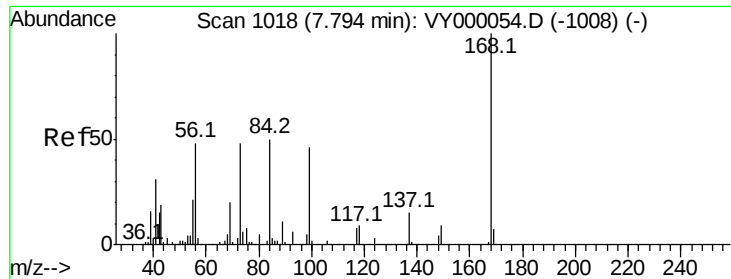
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	89473	51.415	ug/l	96
94) Hexachlorobutadiene	15.11	225	40124	48.023	ug/l	97
95) Naphthalene	15.23	128	244468	49.487	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	82729	49.814	ug/l	98

(#) = 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: VY000057.D

Acq: 17 Sep 2019 13:38

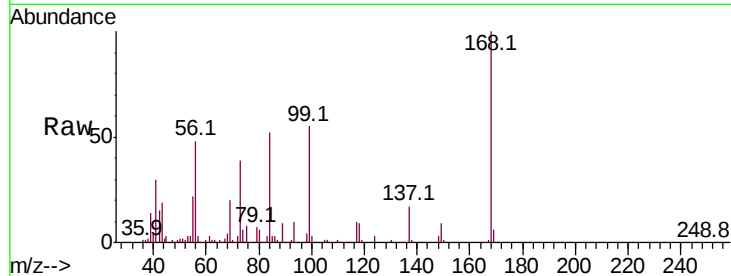
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 126010

Ion Ratio Lower Upper

168 100

99 55.1 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) (-)

7.79

60000

50000

40000

30000

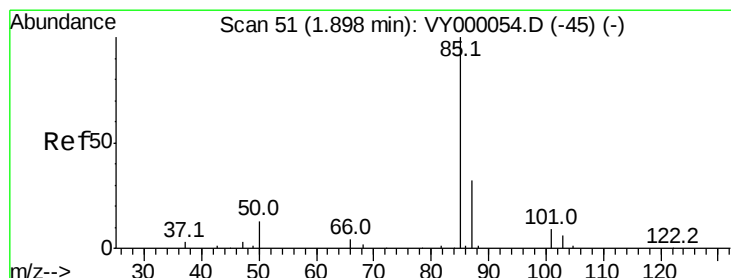
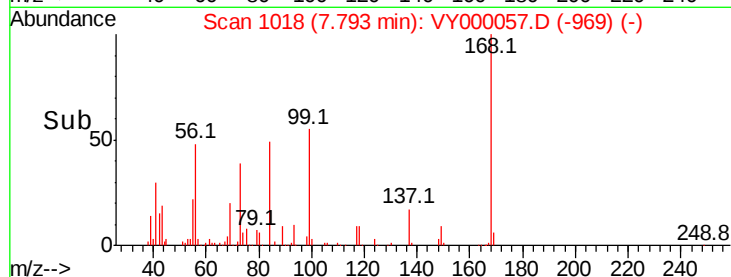
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.063 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000057.D

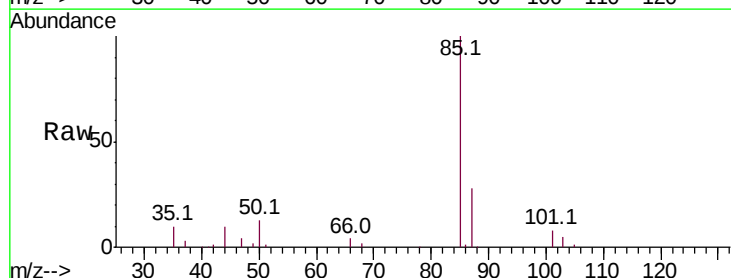
Acq: 17 Sep 2019 13:38

Tgt Ion: 85 Resp: 43507

Ion Ratio Lower Upper

85 100

87 28.0 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) (-)

1.90

30000

25000

20000

15000

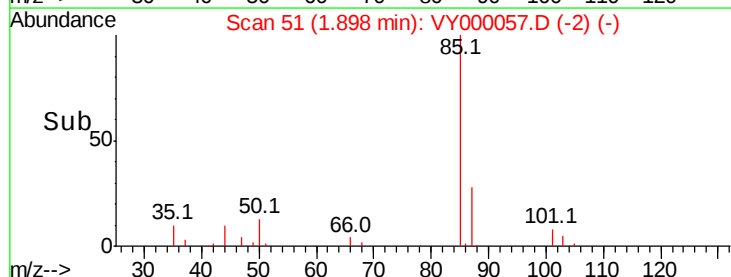
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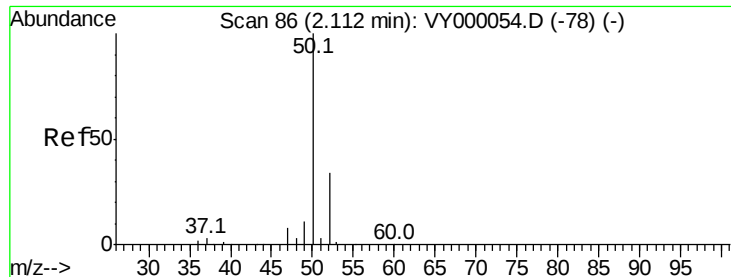
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.851 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

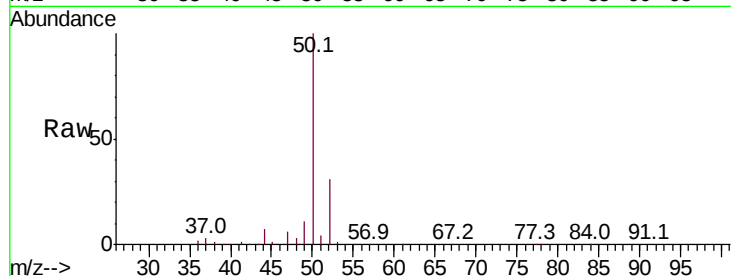
ClientSampleId :

Tot Ion: 50 Resp: 54939

Ion Ratio Lower Upper

50 100

52 30.9 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

40000

30000

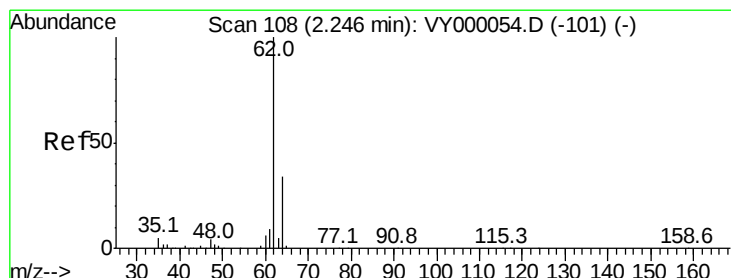
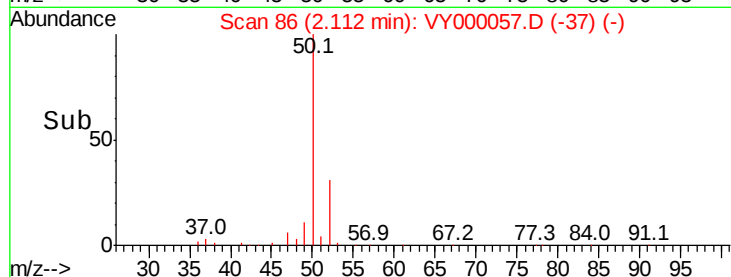
20000

10000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 46.551 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000057.D

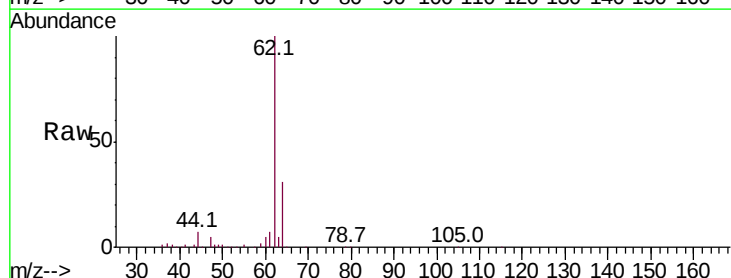
Acq: 17 Sep 2019 13:38

Tgt Ion: 62 Resp: 65453

Ion Ratio Lower Upper

62 100

64 30.8 26.9 40.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

40000

30000

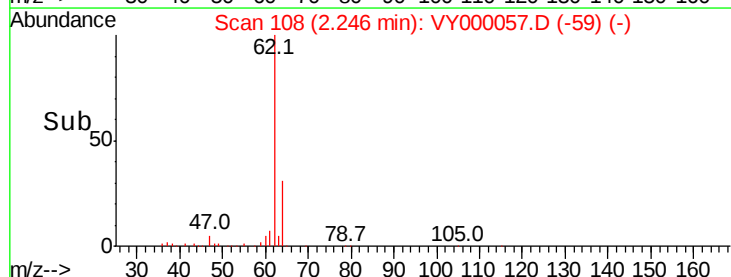
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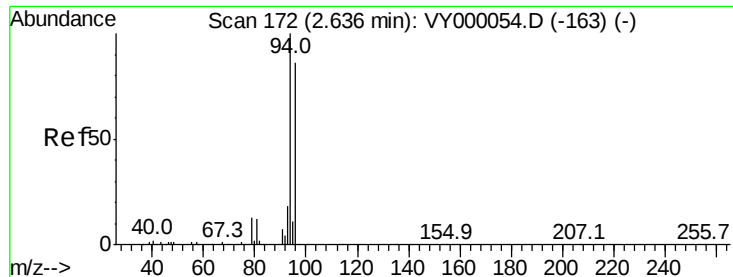
10000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 49.244 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

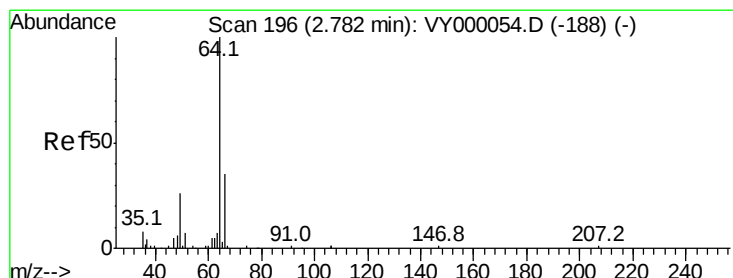
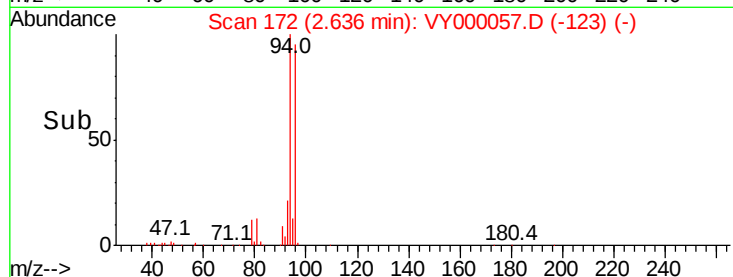
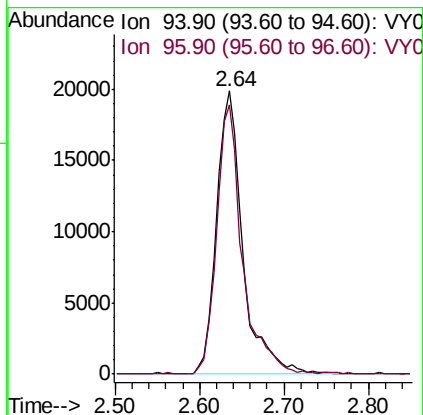
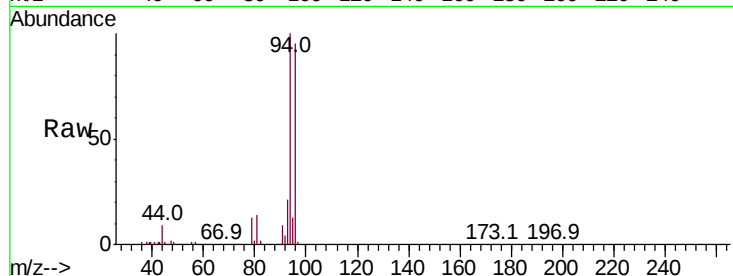
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 42861

Ion Ratio Lower Upper

94 100

96 94.9 69.1 103.7



#6

Chloroethane

Concen: 47.614 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000057.D

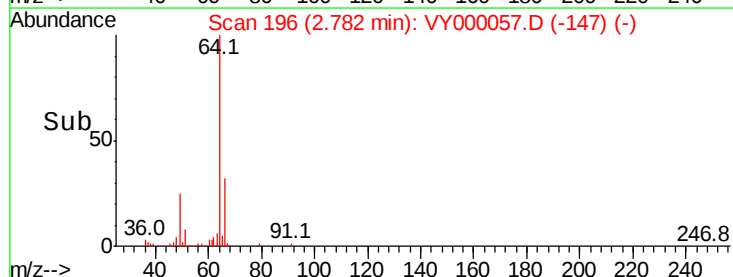
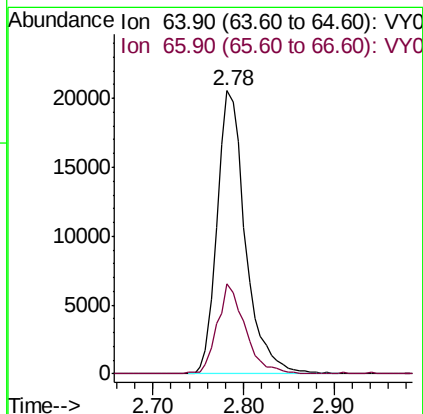
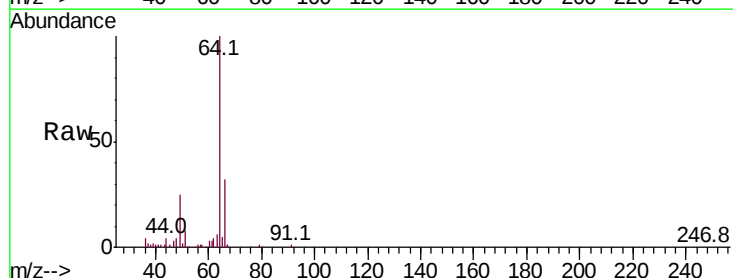
Acq: 17 Sep 2019 13:38

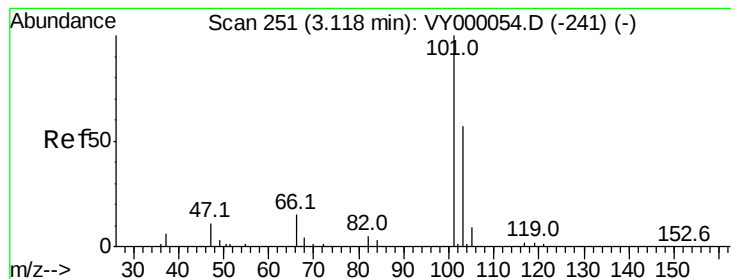
Tgt Ion: 64 Resp: 44875

Ion Ratio Lower Upper

64 100

66 32.0 27.7 41.5



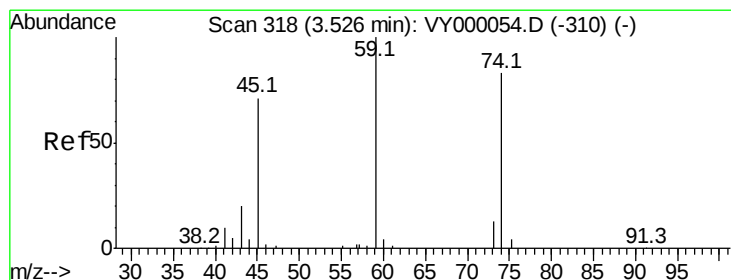
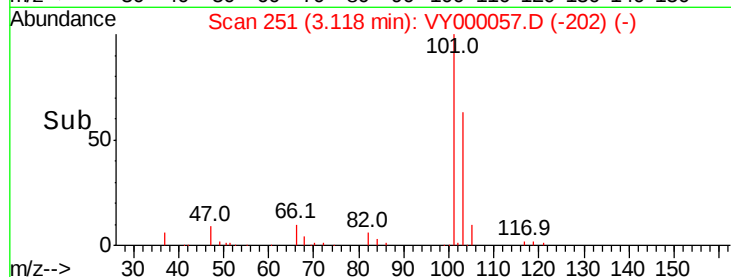
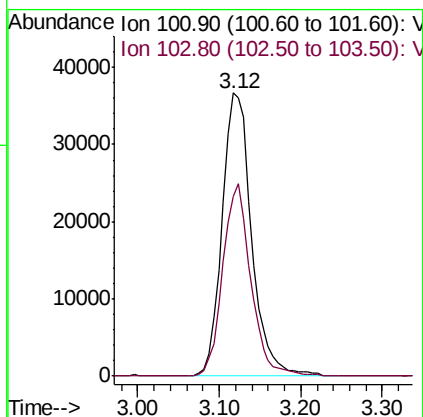
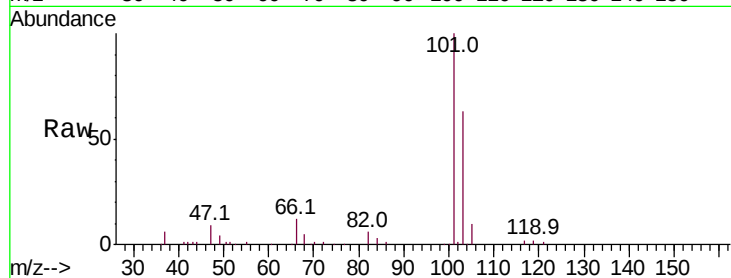


#7

Trichlorofluoromethane
 Concen: 47.254 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :

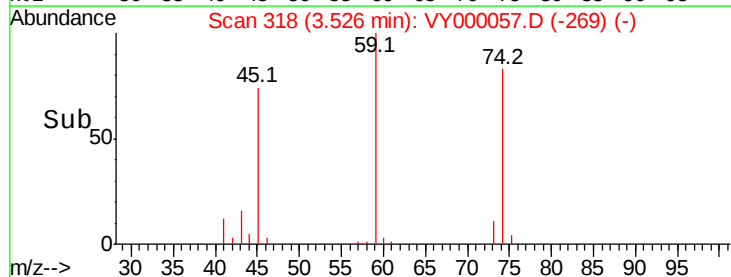
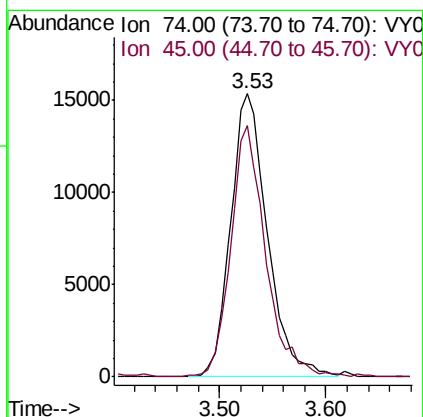
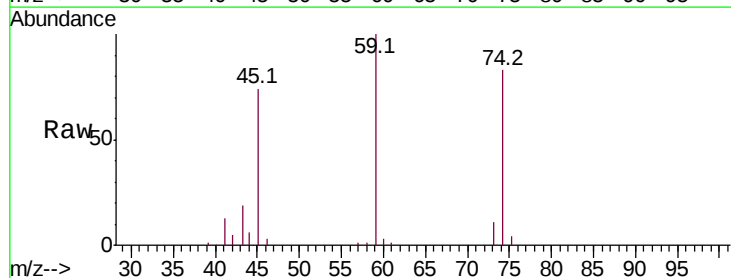
Tot Ion:101 Resp: 91866
 Ion Ratio Lower Upper
 101 100
 103 63.4 45.7 68.5

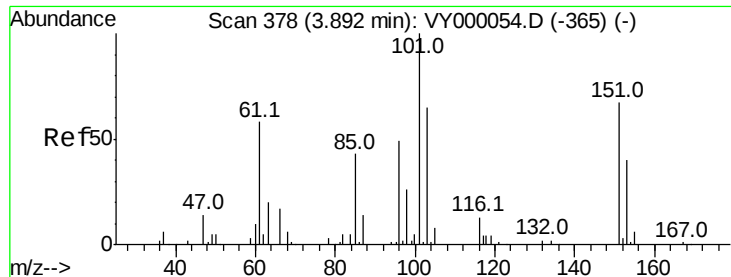


#8

Diethyl Ether
 Concen: 44.626 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Tgt Ion: 74 Resp: 37147
 Ion Ratio Lower Upper
 74 100
 45 84.3 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.195 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampled :

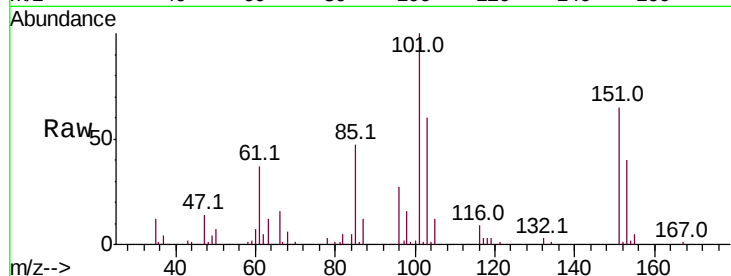
Tot Ion:101 Resp: 62946

Ion Ratio Lower Upper

101 100

85 44.3 36.8 55.2

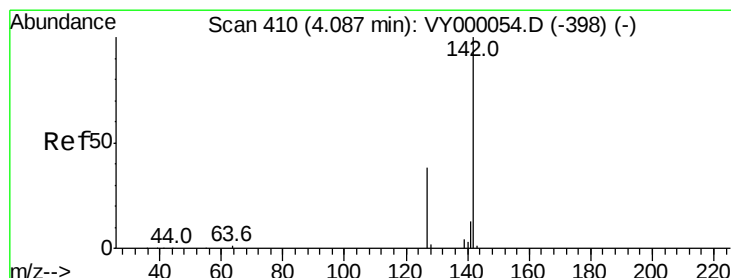
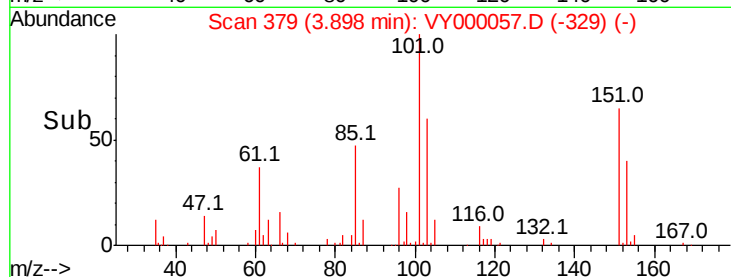
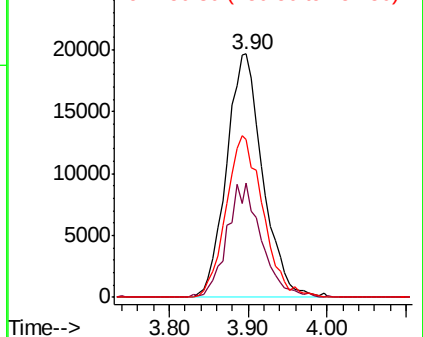
151 67.8 54.4 81.6



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: 47.504 ug/l

RT: 4.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

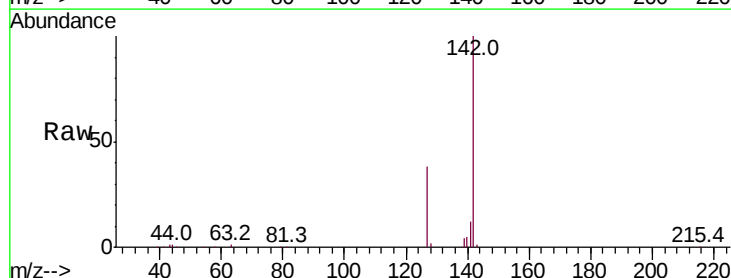
Tgt Ion:142 Resp: 65888

Ion Ratio Lower Upper

142 100

127 39.7 31.6 47.4

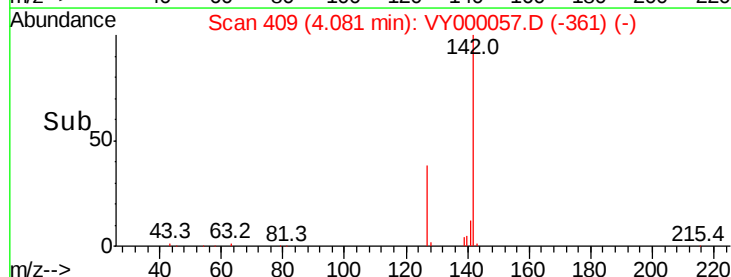
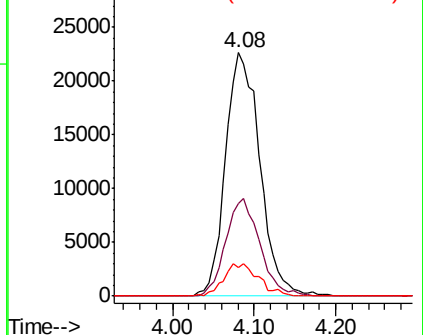
141 13.6 10.9 16.3

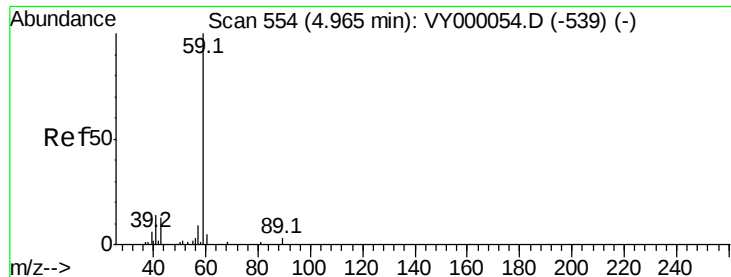


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

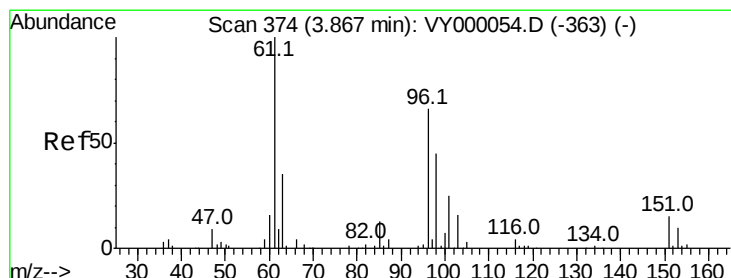
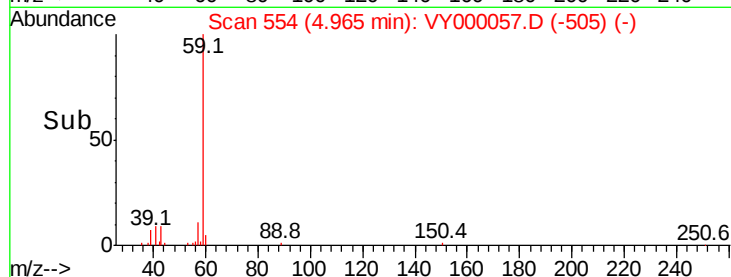
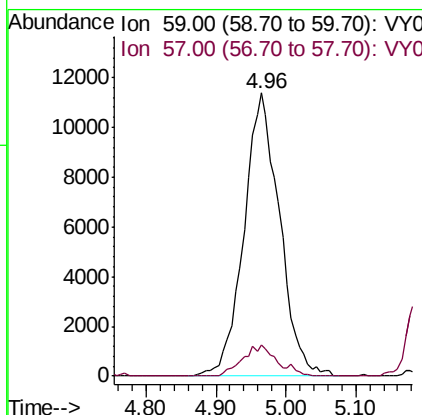
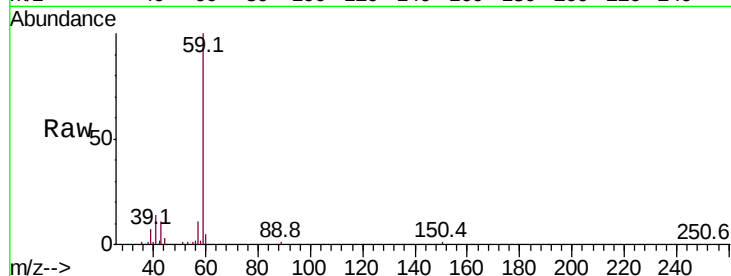




#11
Tert butyl alcohol
Concen: 234.689 ug/l
RT: 4.96 min Scan# 554
Delta R.T. 0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

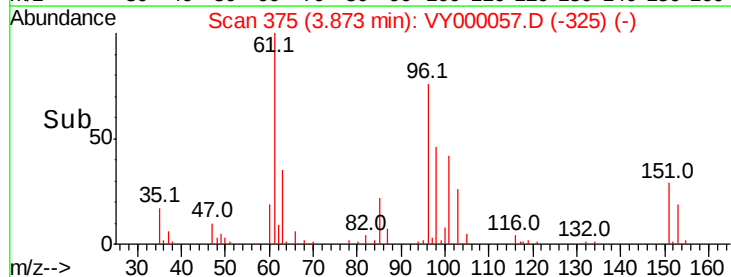
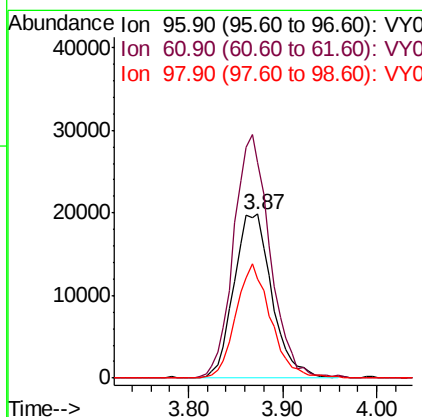
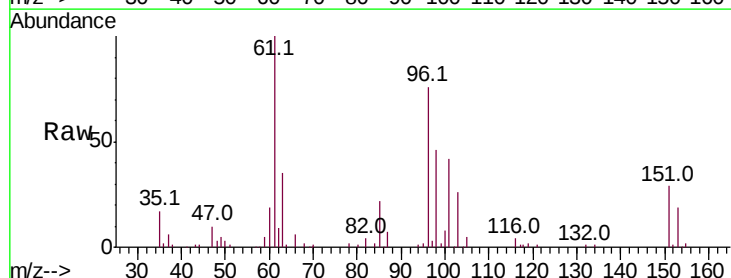
Instrument :
MSVOA_Y
ClientSampleId :

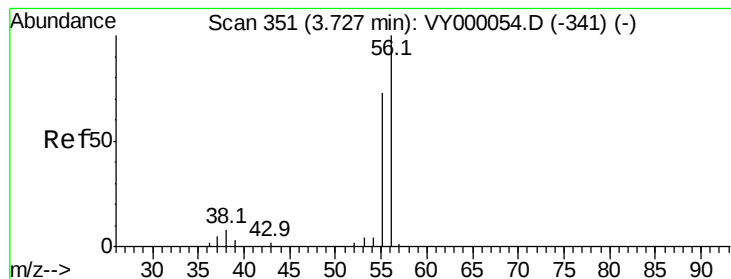
Tot Ion: 59 Resp: 40336
Ion Ratio Lower Upper
59 100
57 10.6 8.0 12.0



#12
1,1-Dichloroethene
Concen: 45.785 ug/l
RT: 3.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 96 Resp: 56293
Ion Ratio Lower Upper
96 100
61 131.1 120.4 180.6
98 60.0 54.1 81.1





#13

Acrolein

Concen: 192.548 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

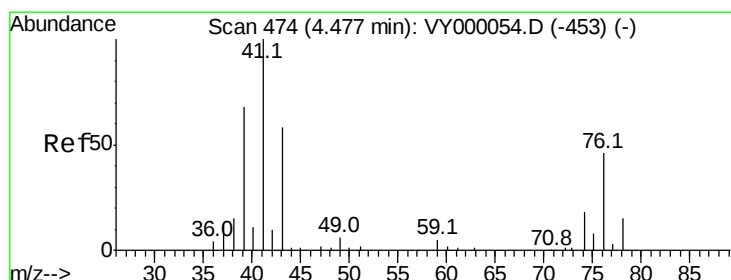
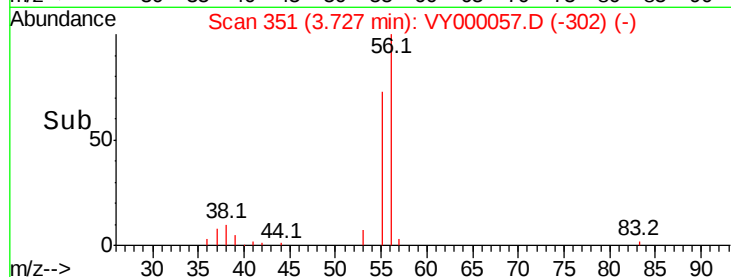
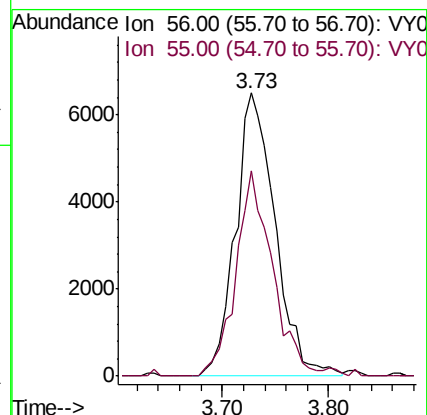
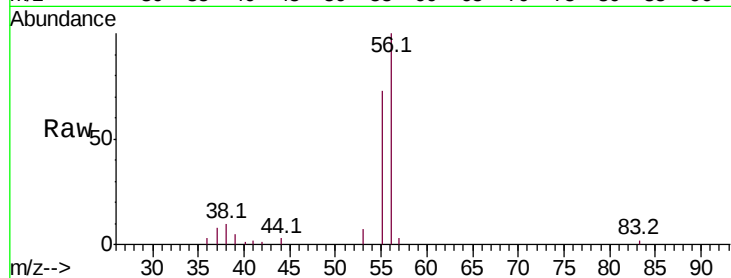
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 16925

Ion Ratio Lower Upper

56 100

55 66.6 57.8 86.8



#14

Allyl chloride

Concen: 46.748 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

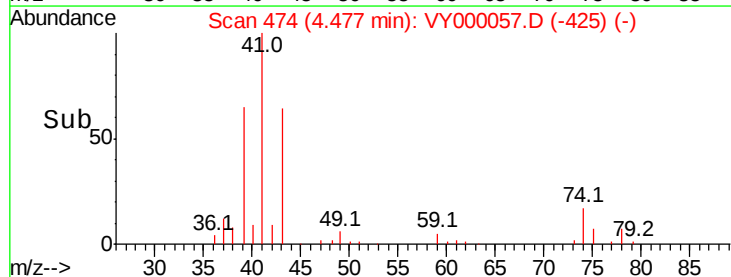
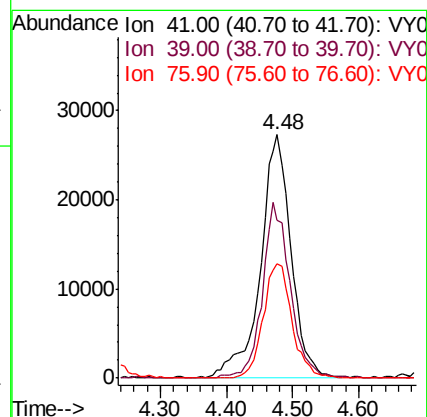
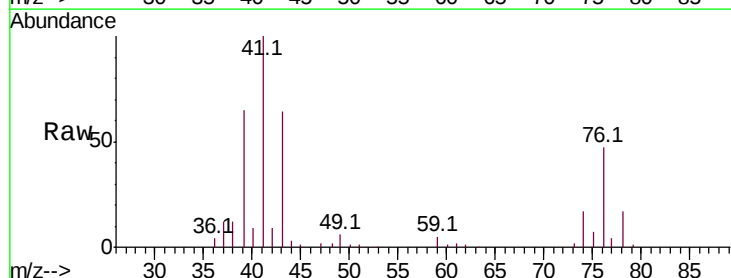
Tgt Ion: 41 Resp: 87848

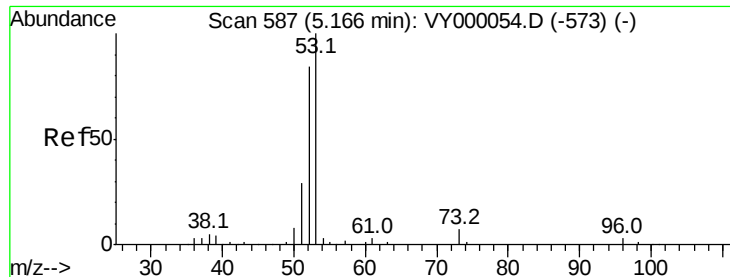
Ion Ratio Lower Upper

41 100

39 65.6 52.7 79.1

76 44.2 35.5 53.3





#15

Acrylonitrile

Concen: 234.678 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

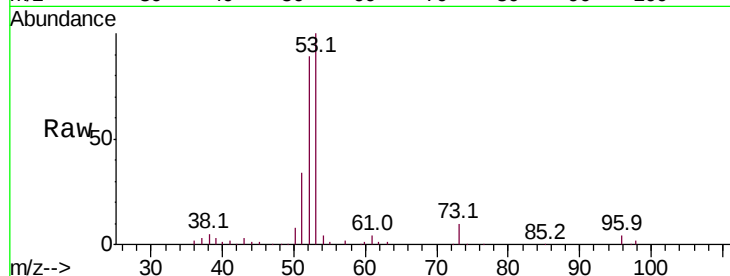
Tot Ion: 53 Resp: 117139

Ion Ratio Lower Upper

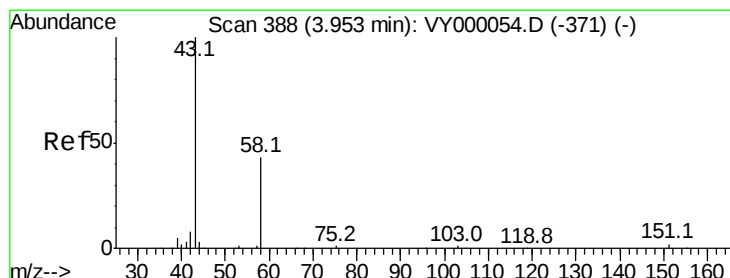
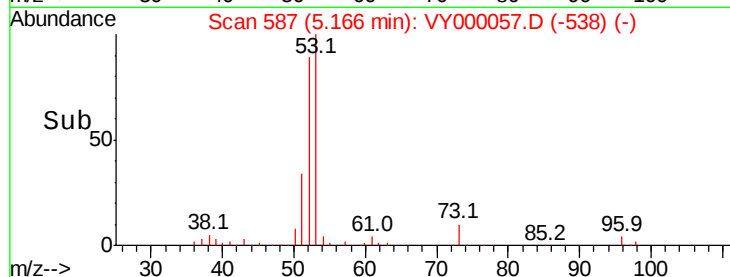
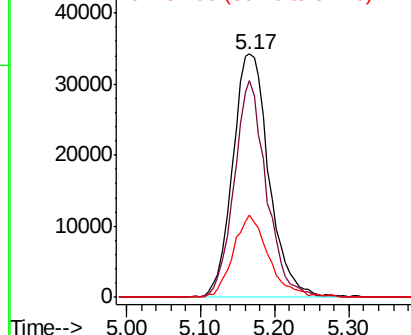
53 100

52 79.5 64.7 97.1

51 32.7 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: 251.808 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000057.D

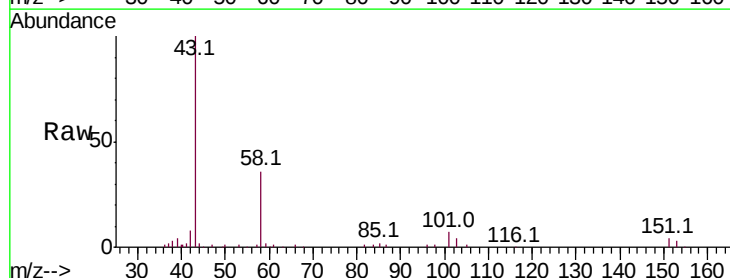
Acq: 17 Sep 2019 13:38

Tgt Ion: 43 Resp: 84998

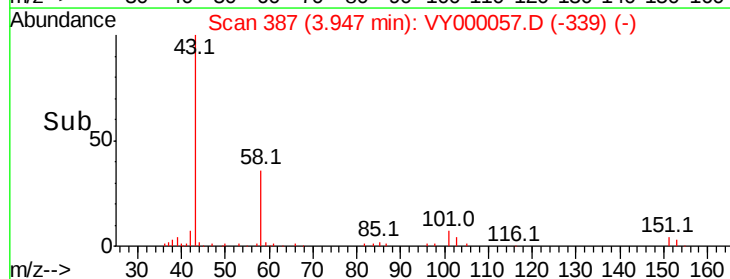
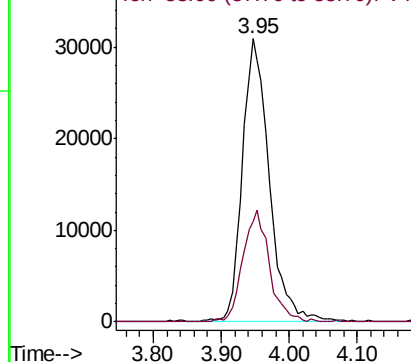
Ion Ratio Lower Upper

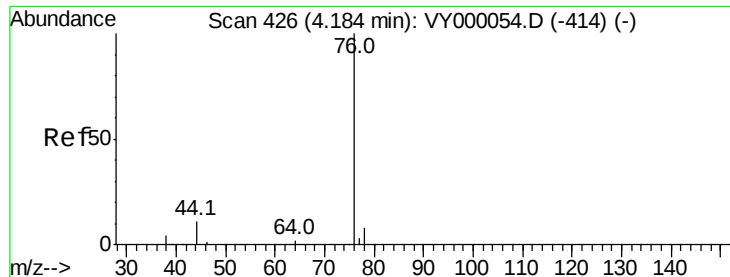
43 100

58 35.5 34.5 51.7



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

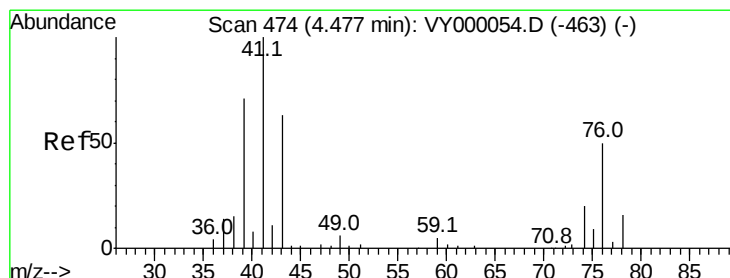
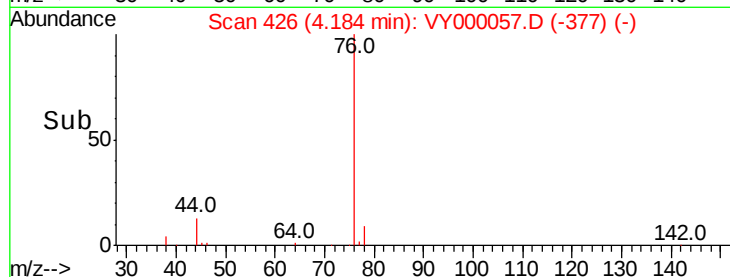
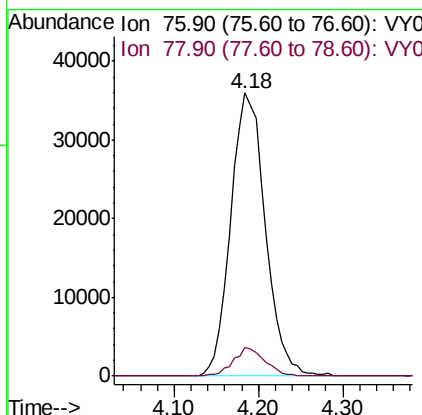
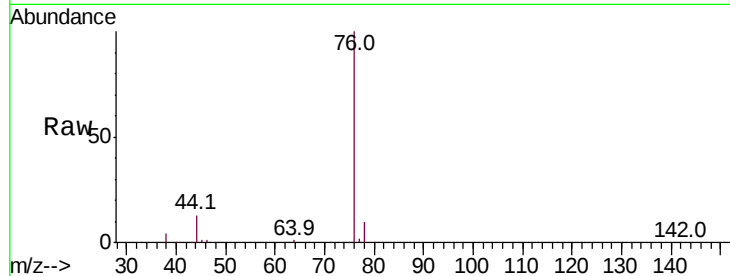




#17
Carbon Disulfide
Concen: 46.015 ug/l
RT: 4.18 min Scan# 426
Delta R.T. 0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

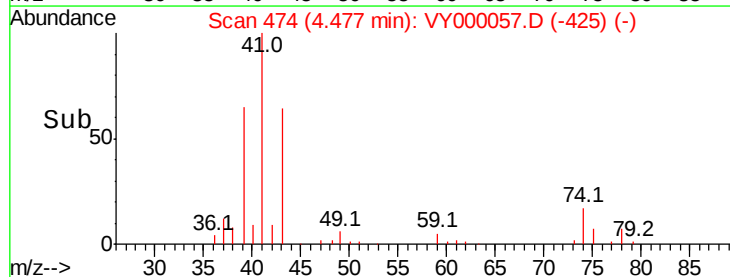
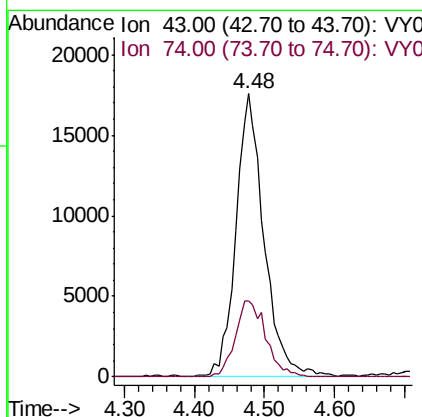
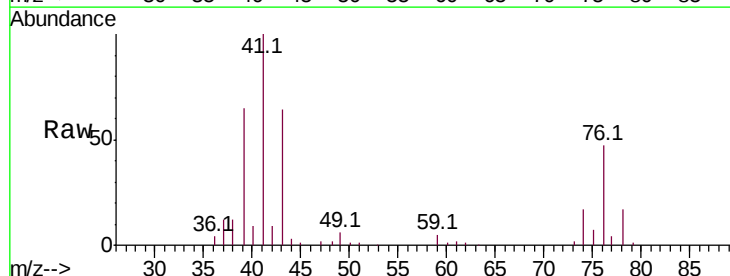
Instrument :
MSVOA_Y
ClientSampleId :

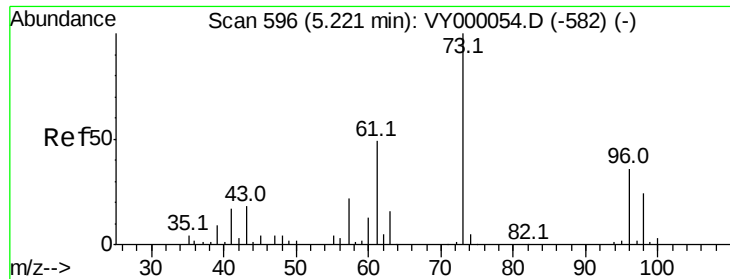
Tot Ion: 76 Resp: 100118
Ion Ratio Lower Upper
76 100
78 10.1 6.6 9.8#



#18
Methyl Acetate
Concen: 43.447 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 43 Resp: 48996
Ion Ratio Lower Upper
43 100
74 29.3 24.1 36.1

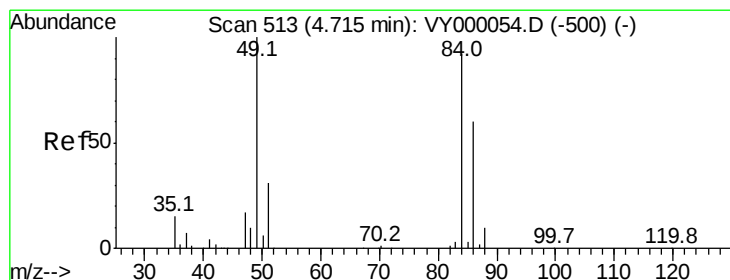
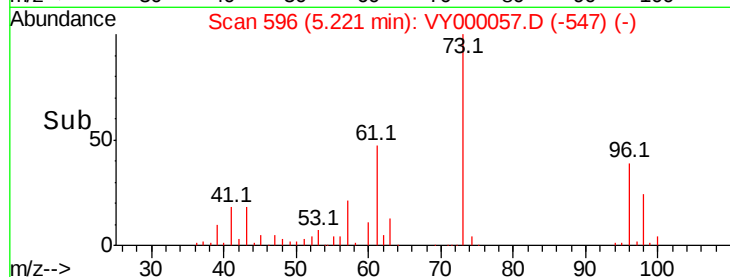
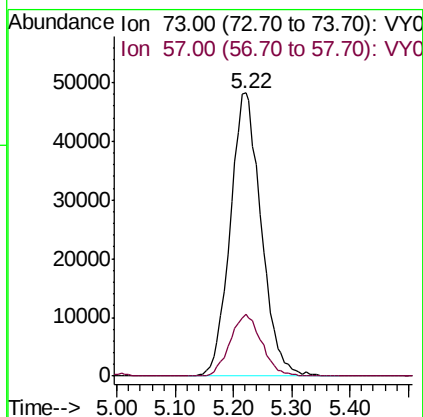
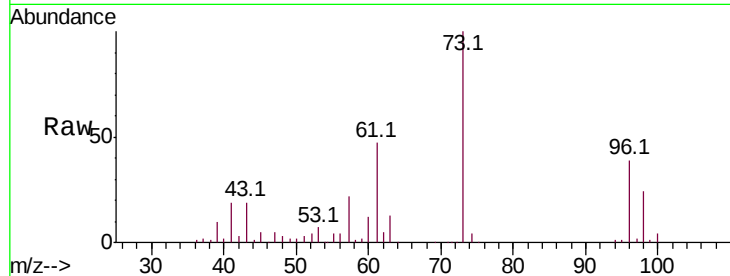




#19
Methvl tert-butvl Ether
Concen: 46.368 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

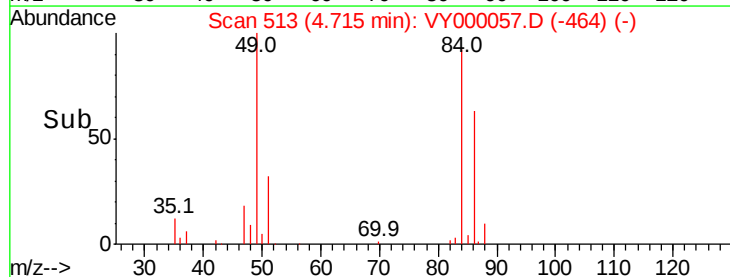
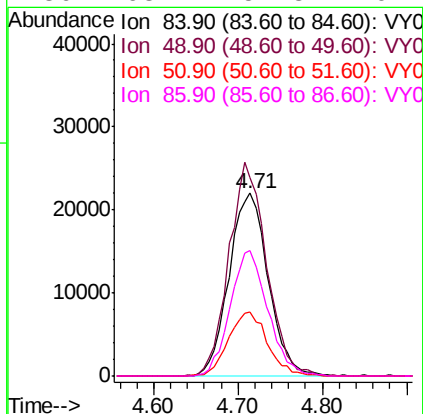
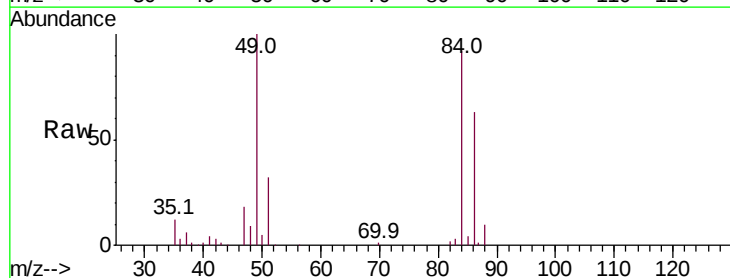
Instrument :
MSVOA_Y
ClientSampled :

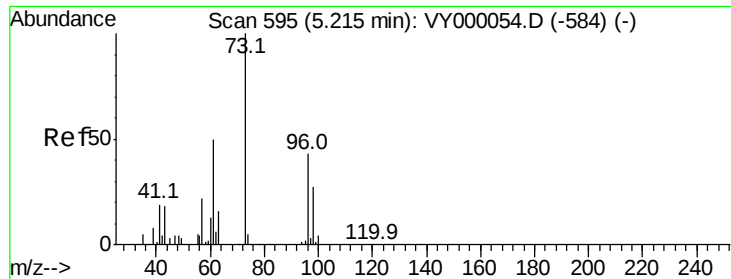
Tot Ion: 73 Resp: 178158
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3



#20
Methylene Chloride
Concen: 43.688 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 84 Resp: 69372
Ion Ratio Lower Upper
84 100
49 108.6 87.4 131.0
51 34.7 27.2 40.8
86 68.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 45.301 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampled :

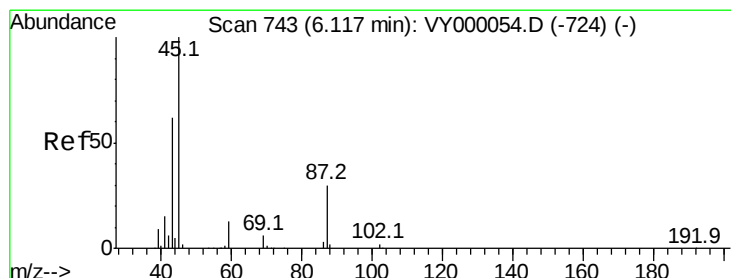
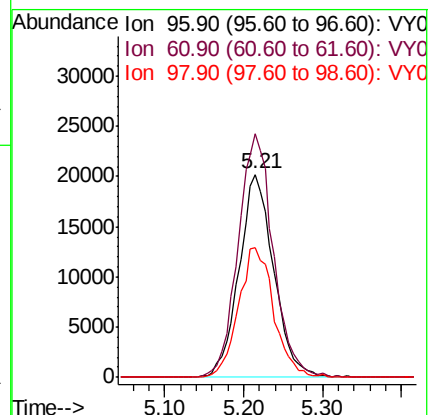
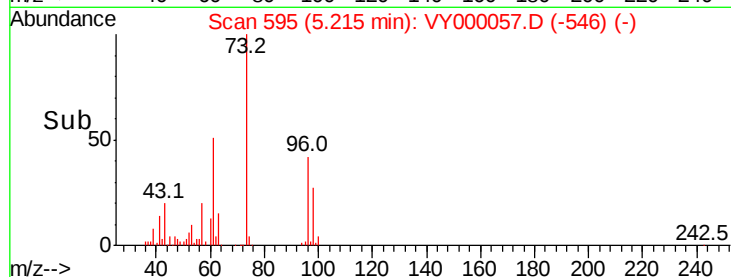
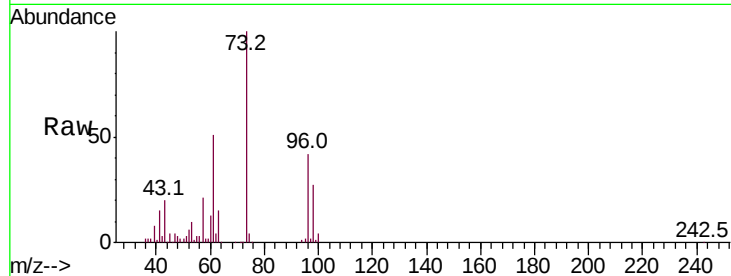
Tot Ion: 96 Resp: 61914

Ion Ratio Lower Upper

96 100

61 120.1 94.0 141.0

98 64.0 50.3 75.5



#22

Diisopropyl ether

Concen: 47.327 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Tgt Ion: 45 Resp: 200936

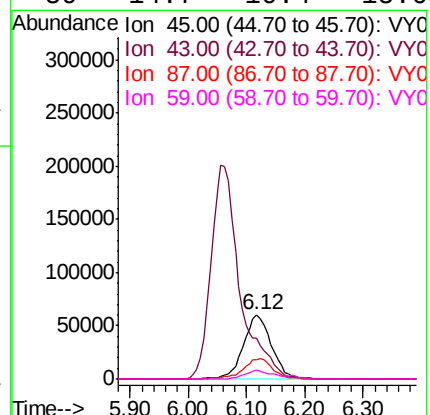
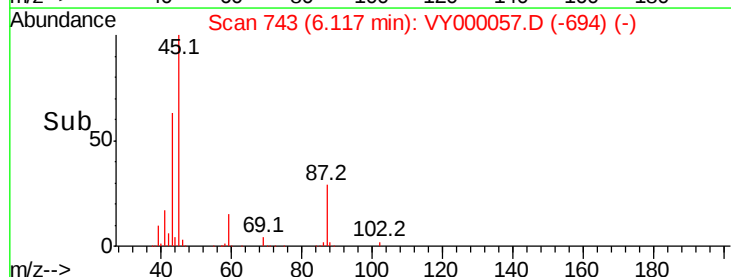
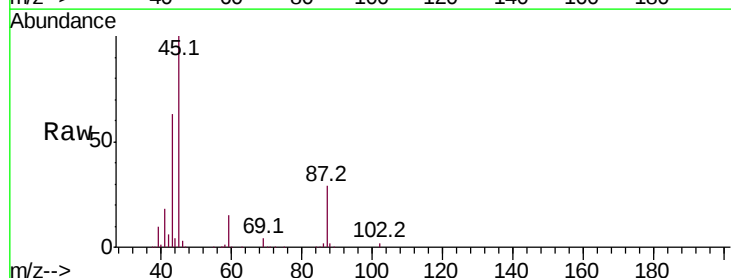
Ion Ratio Lower Upper

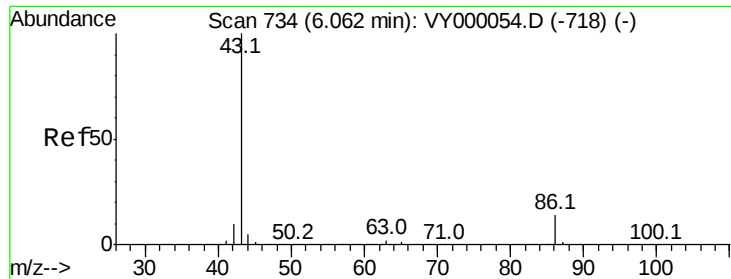
45 100

43 62.6 49.9 74.9

87 29.1 25.0 37.4

59 14.7 10.4 15.6





#23

Vinyl Acetate

Concen: 243.061 ug/l

RT: 6.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

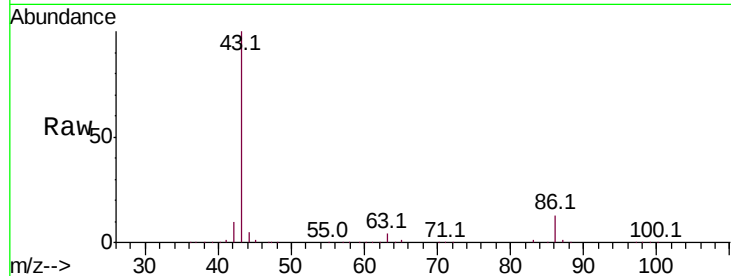
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 690672

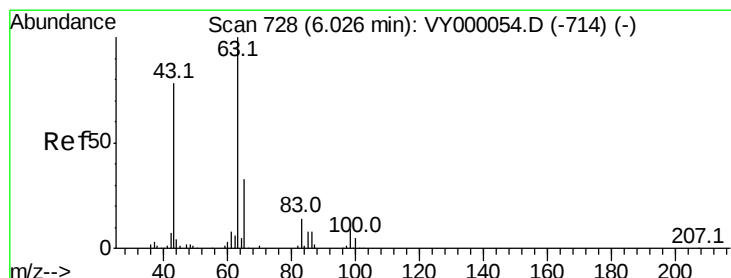
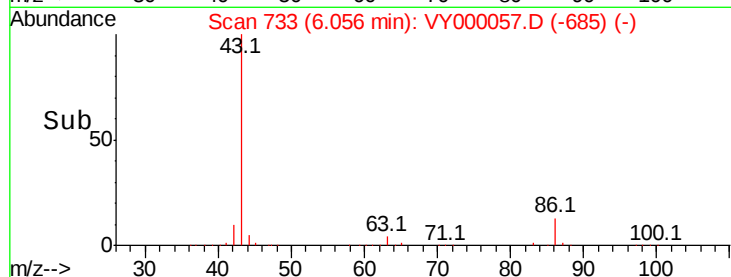
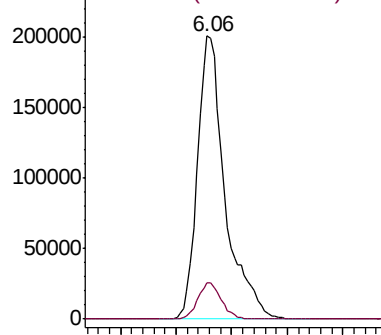
Ion Ratio Lower Upper

43 100

86 12.7 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: 47.170 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

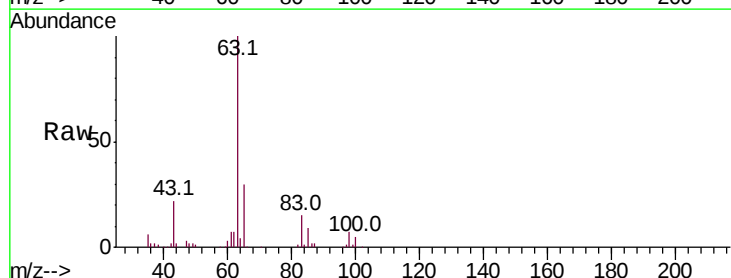
Tgt Ion: 63 Resp: 118536

Ion Ratio Lower Upper

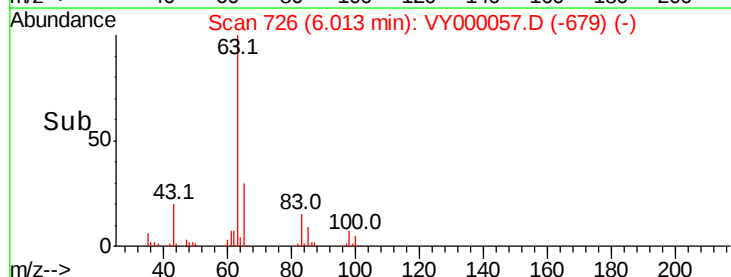
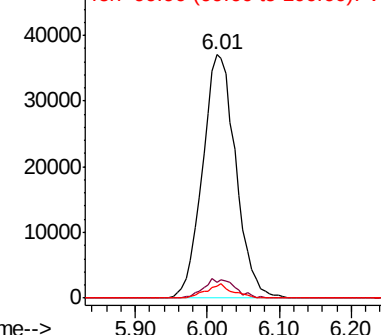
63 100

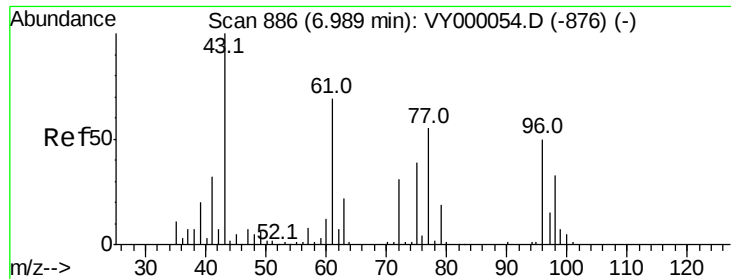
98 6.7 4.5 13.5

100 4.8 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: 238.945 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

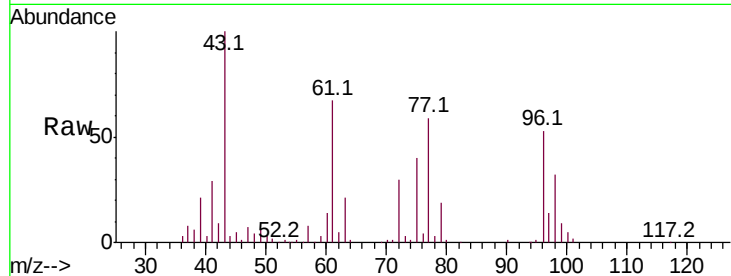
ClientSampled :

Tot Ion: 43 Resp: 146089

Ion Ratio Lower Upper

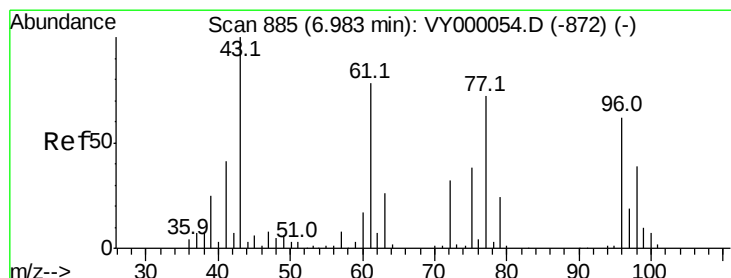
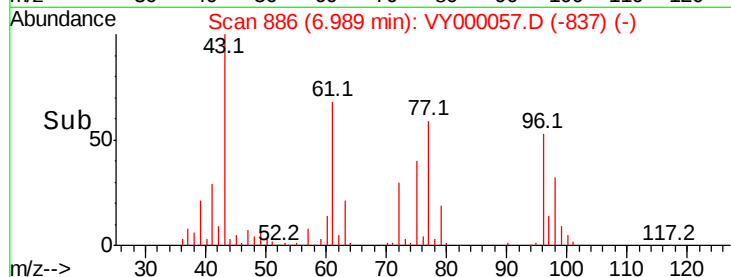
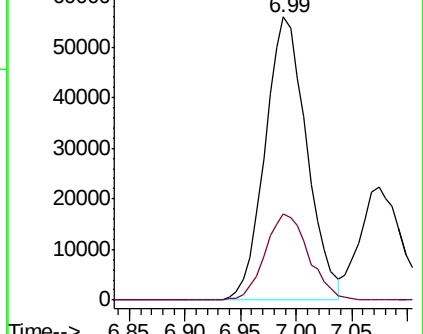
43 100

72 30.3 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: 45.615 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000057.D

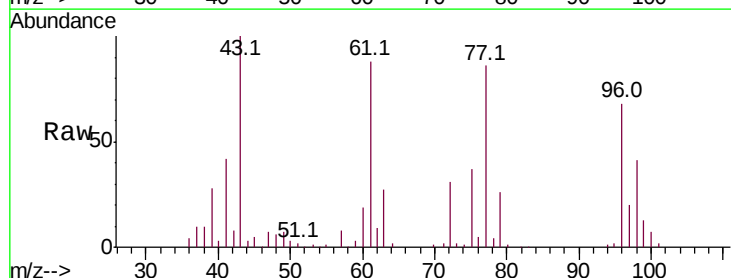
Acq: 17 Sep 2019 13:38

Tgt Ion: 77 Resp: 108176

Ion Ratio Lower Upper

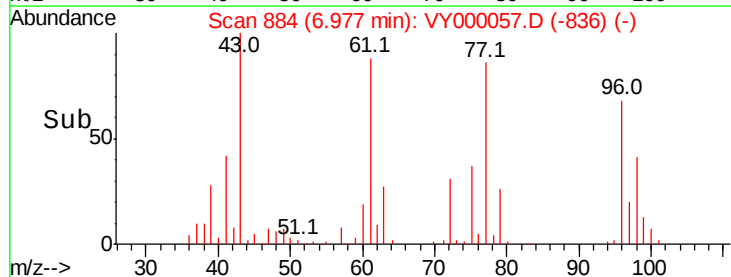
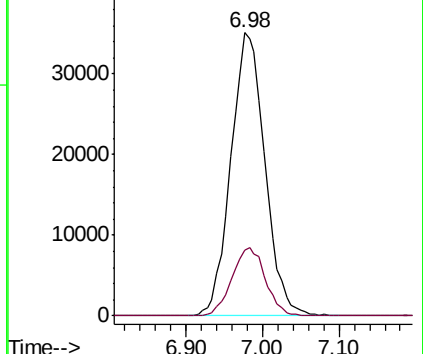
77 100

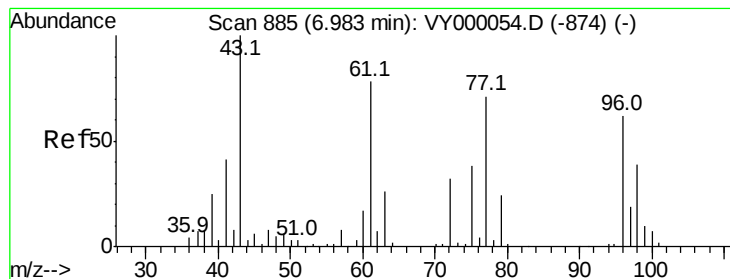
97 23.7 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



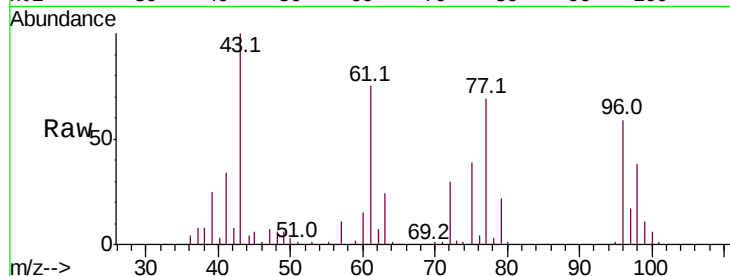


#27

cis-1,2-Dichloroethene
Concen: 47.292 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	96	Resp	81838
Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	263.0
98	63.2	0.0	130.2

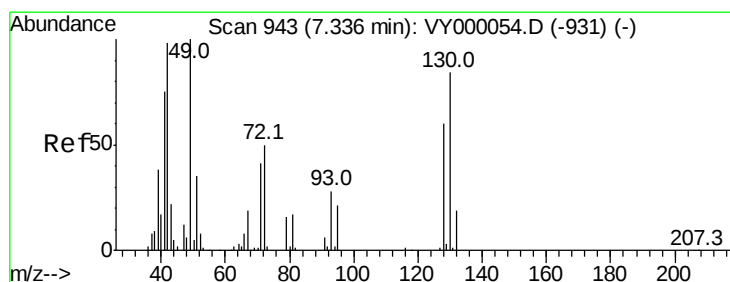
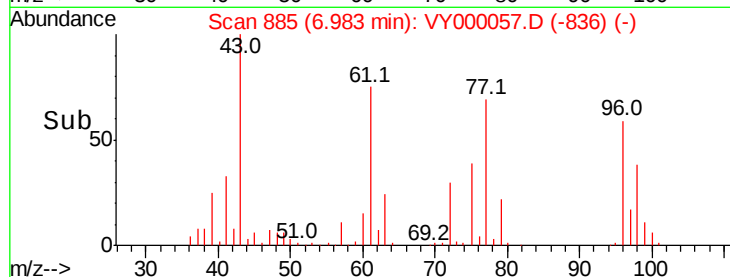
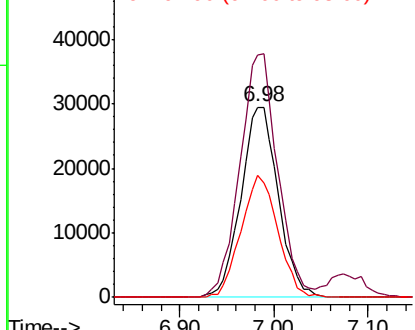


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

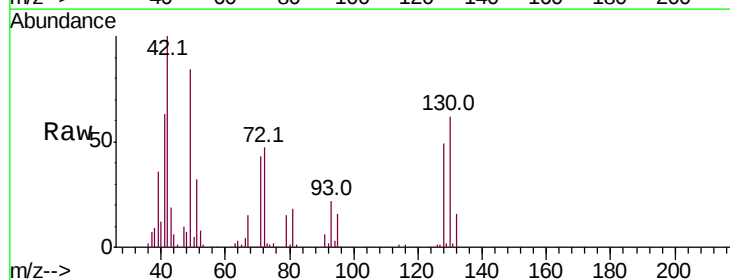
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 46.320 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion	49	Resp	53954
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	79.3	66.2	99.4

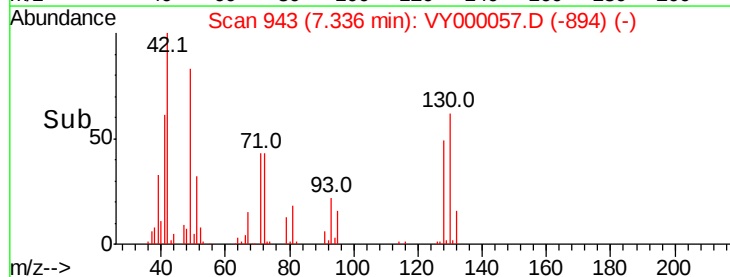
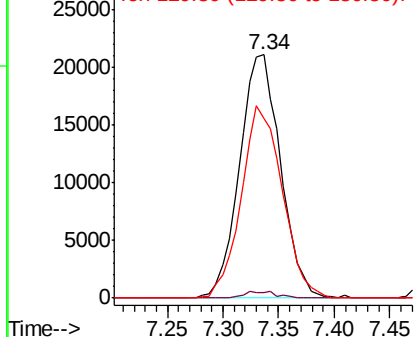


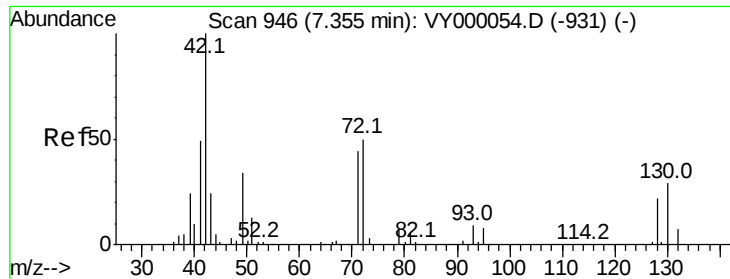
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 243.335 ug/l

RT: 7.35 min Scan# 945

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampled :

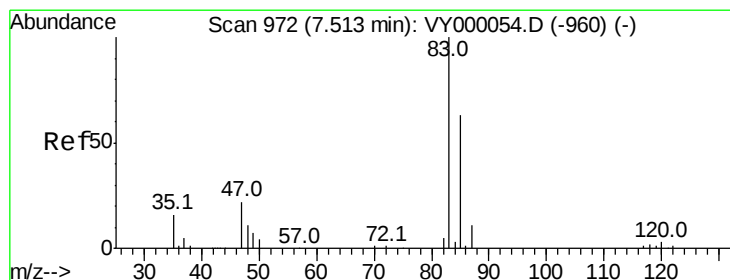
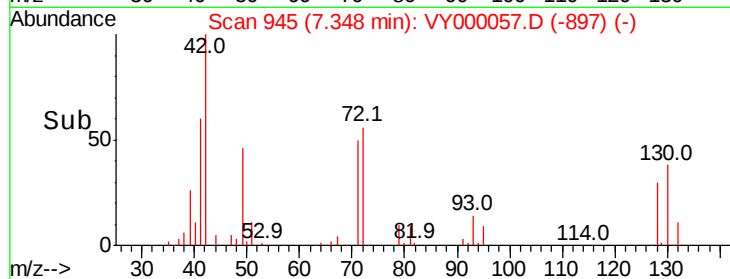
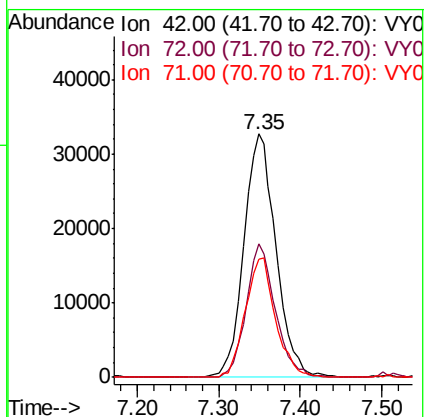
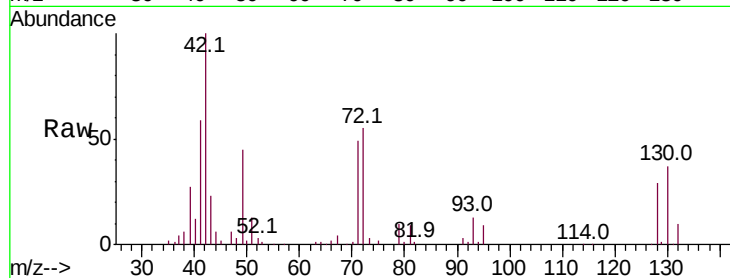
Tot Ion: 42 Resp: 89312

Ion Ratio Lower Upper

42 100

72 50.0 41.8 62.6

71 46.6 38.6 58.0



#30

Chloroform

Concen: 47.826 ug/l

RT: 7.50 min Scan# 970

Delta R.T. -0.01 min

Lab File: VY000057.D

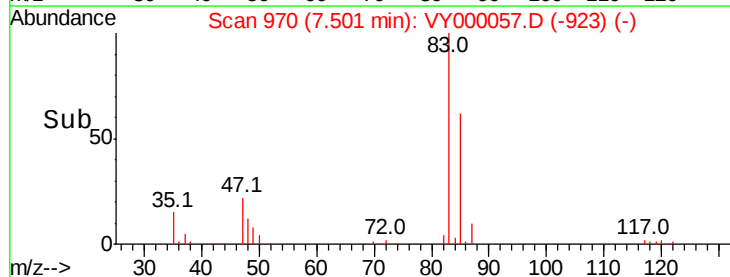
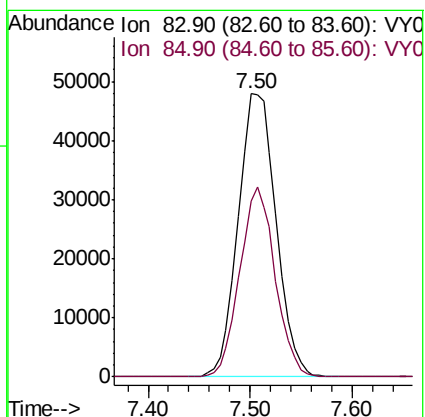
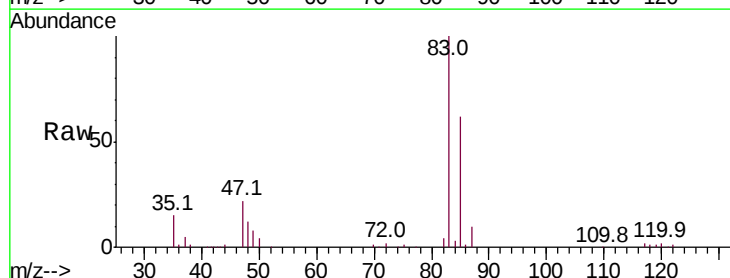
Acq: 17 Sep 2019 13:38

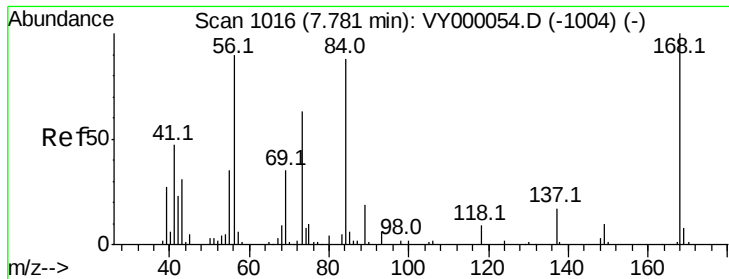
Tgt Ion: 83 Resp: 124028

Ion Ratio Lower Upper

83 100

85 62.0 50.6 76.0

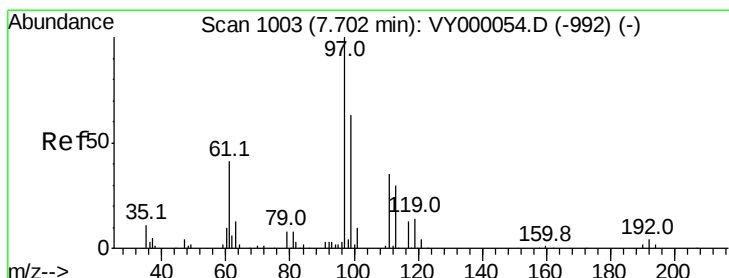
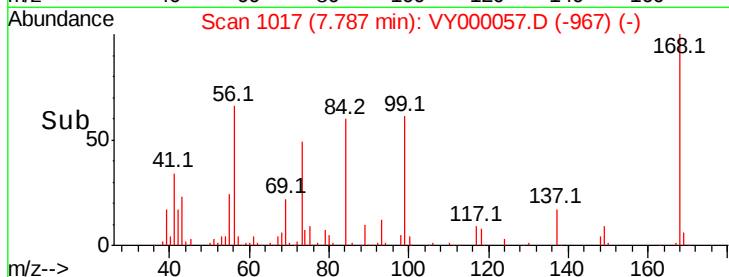
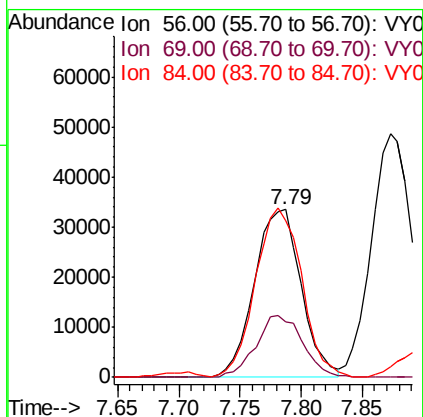
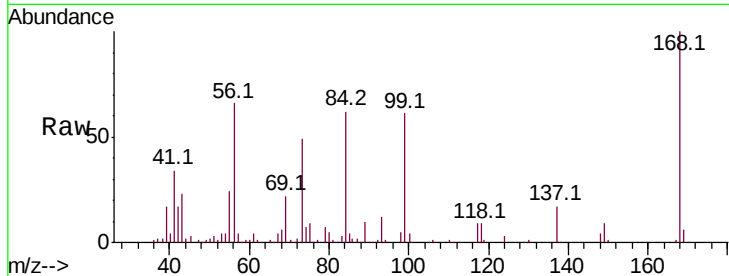




#31
Cyclohexane
Concen: 50.297 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

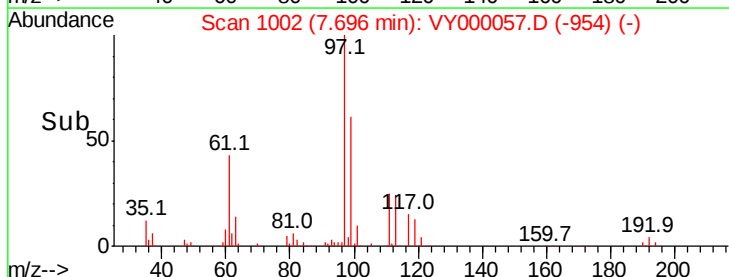
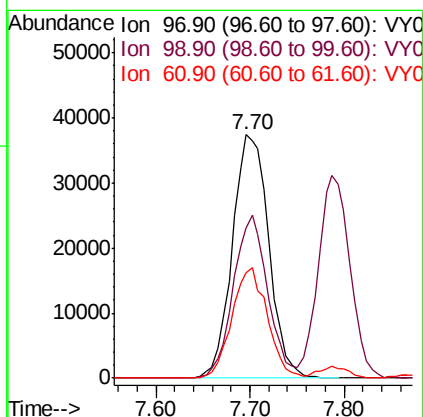
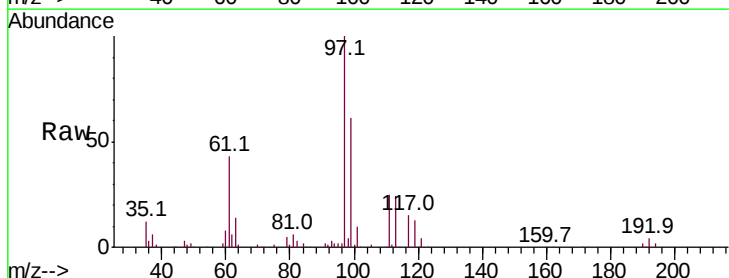
Instrument :
MSVOA_Y
ClientSampled :

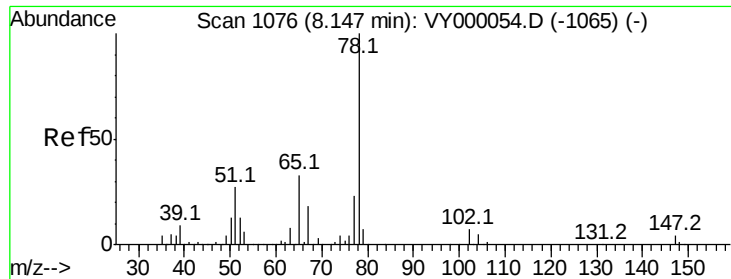
Tot Ion: 56 Resp: 89640
Ion Ratio Lower Upper
56 100
69 32.9 30.9 46.3
84 90.4 78.5 117.7



#32
1,1,1-Trichloroethane
Concen: 47.801 ug/l
RT: 7.70 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 97 Resp: 100686
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.6
61 44.2 34.3 51.5

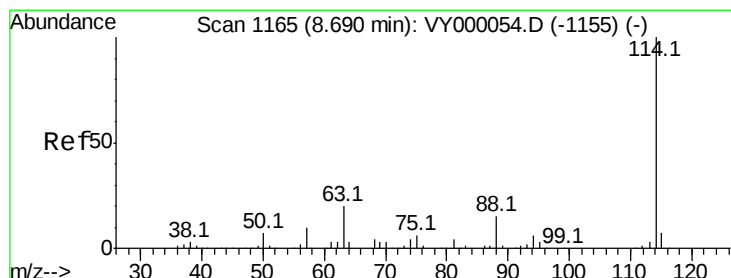
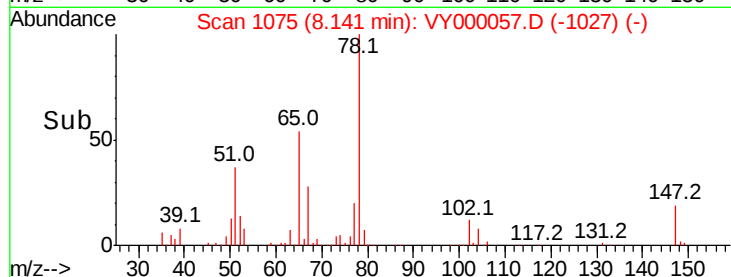
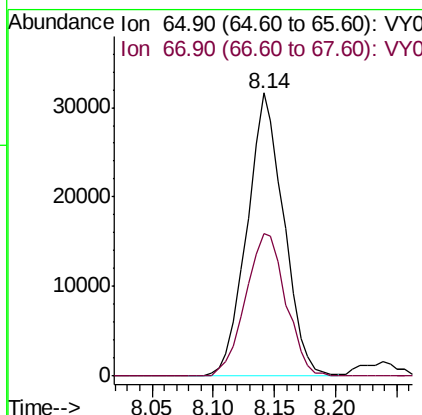
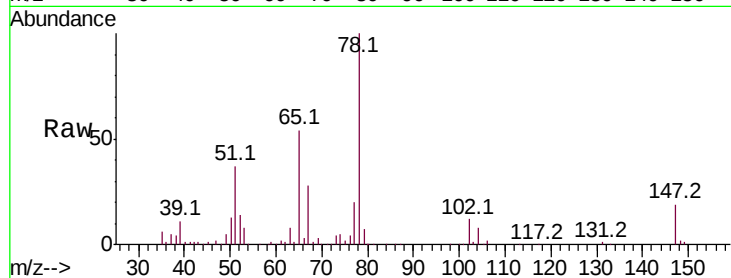




#33
 1,2-Dichloroethane-d4
 Concen: 45.723 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

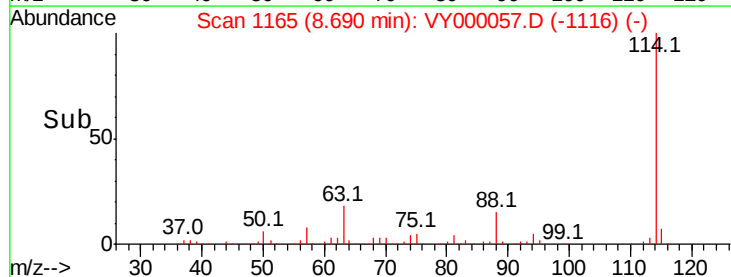
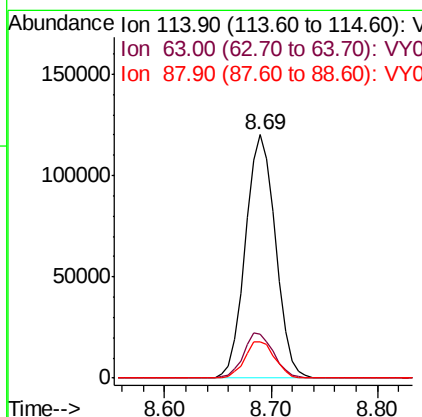
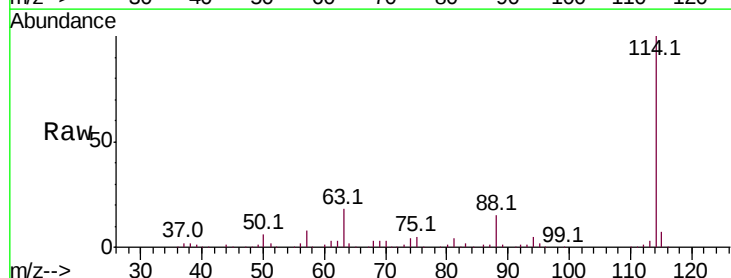
Instrument :
 MSVOA_Y
 ClientSampleId :

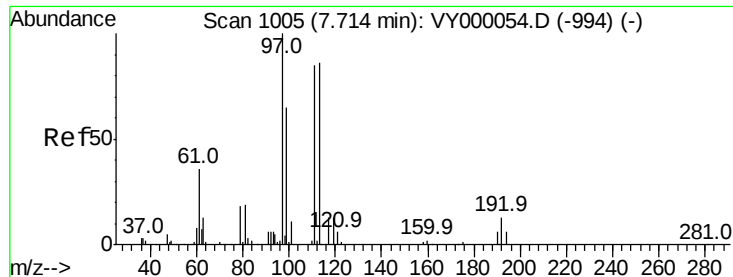
Tot Ion: 65 Resp: 66287
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Tgt Ion: 114 Resp: 238429
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.4
 88 14.9 0.0 30.2

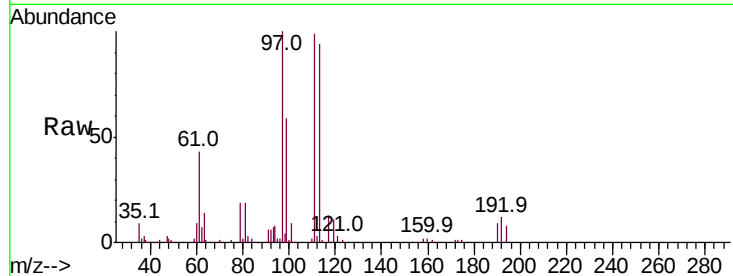




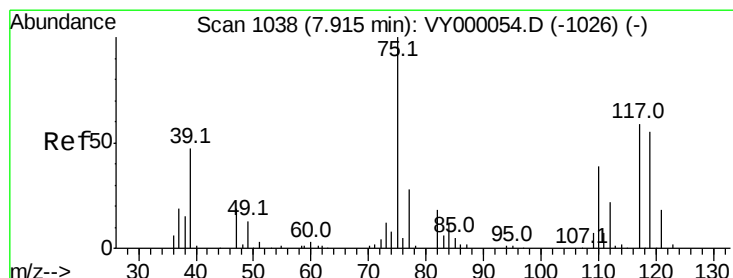
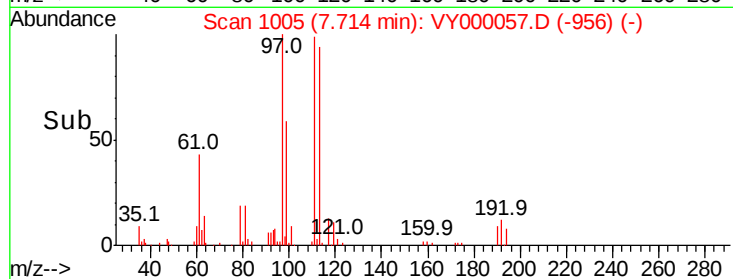
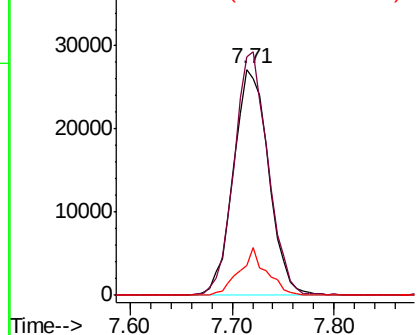
#35
 Dibromofluoromethane
 Concen: 45.012 ug/l
 RT: 7.71 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 64981
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.7 122.5
 192 16.3 13.4 20.2

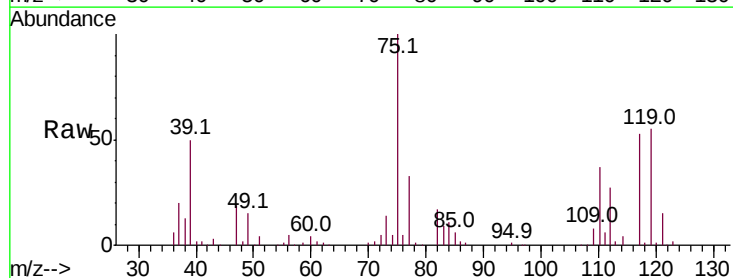


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

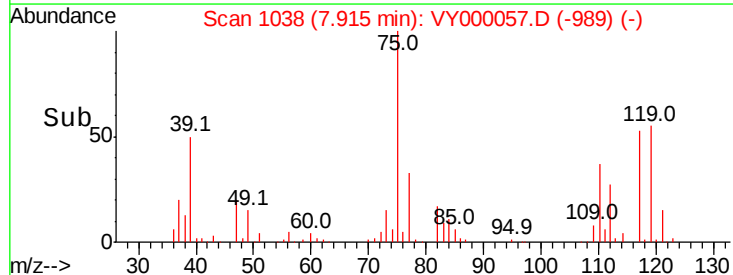
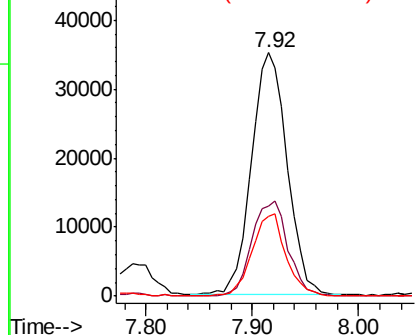


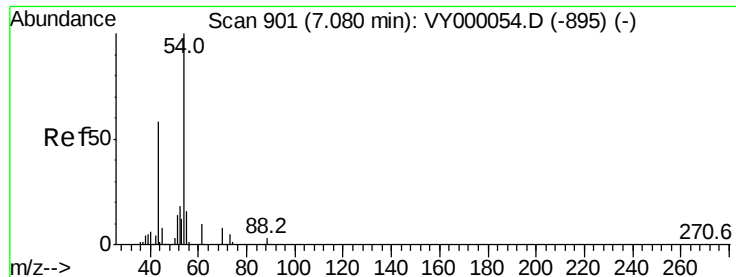
#36
 1,1-Dichloropropene
 Concen: 46.338 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Tgt Ion: 75 Resp: 82613
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.6 58.7
 77 32.3 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: 51.061 ug/l

RT: 7.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

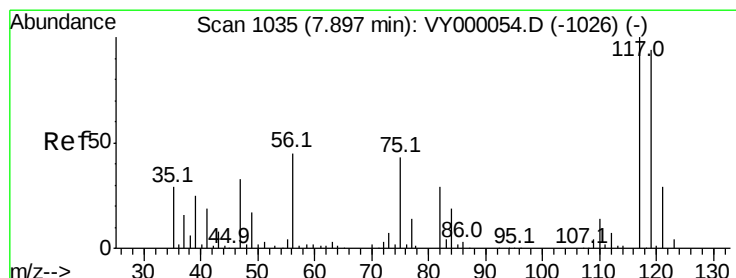
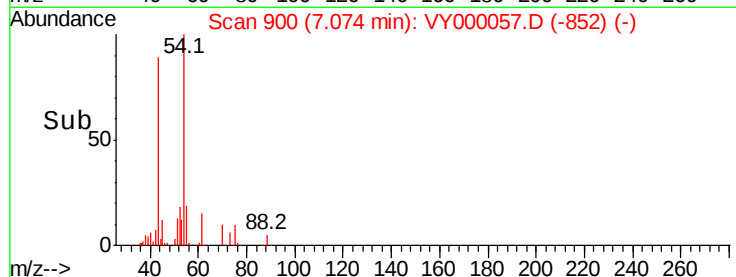
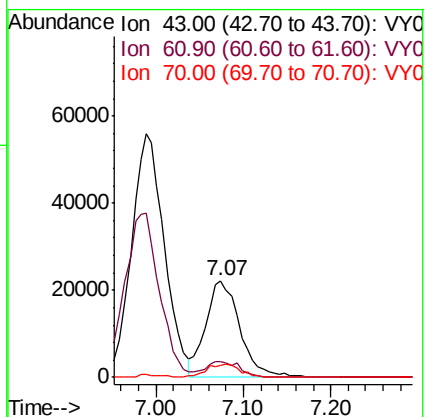
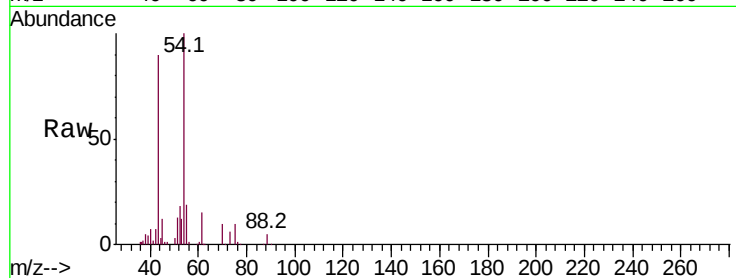
Tot Ion: 43 Resp: 60678

Ion Ratio Lower Upper

43 100

61 16.5 14.1 21.1

70 13.4 10.6 15.8



#38

Carbon Tetrachloride

Concen: 50.033 ug/l

RT: 7.90 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

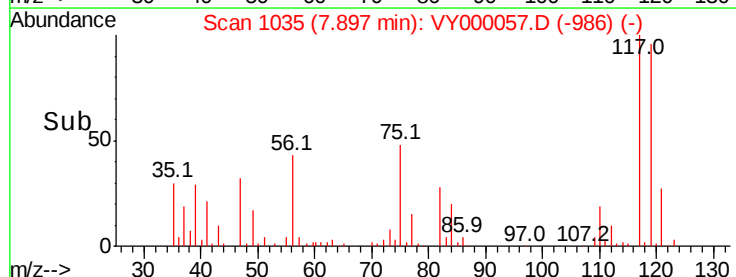
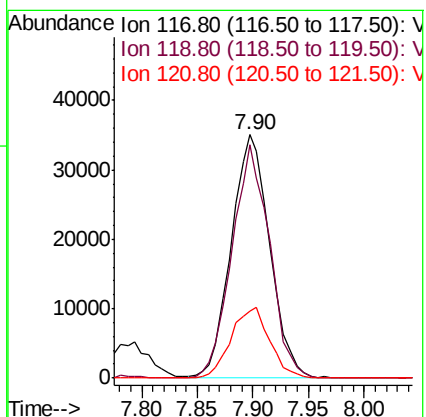
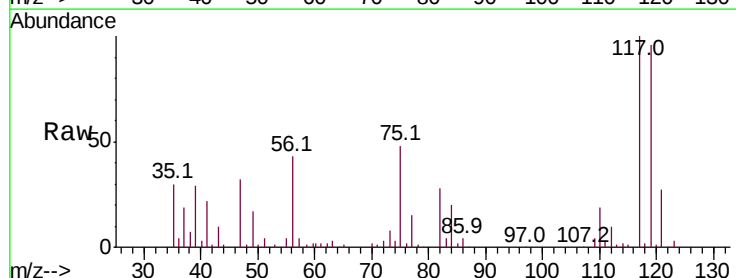
Tgt Ion: 117 Resp: 84187

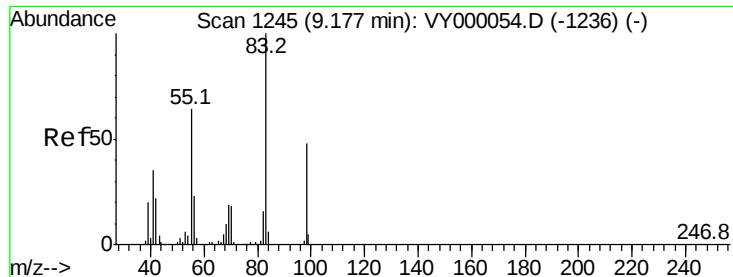
Ion Ratio Lower Upper

117 100

119 95.9 75.0 112.6

121 27.3 22.8 34.2

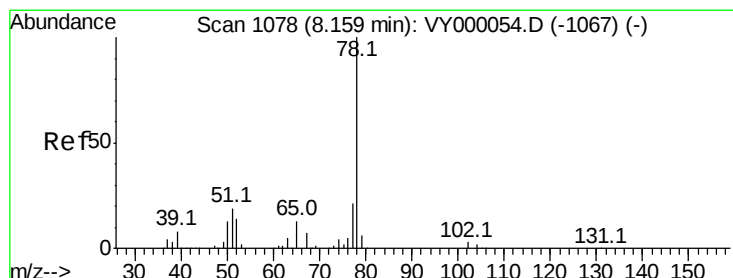
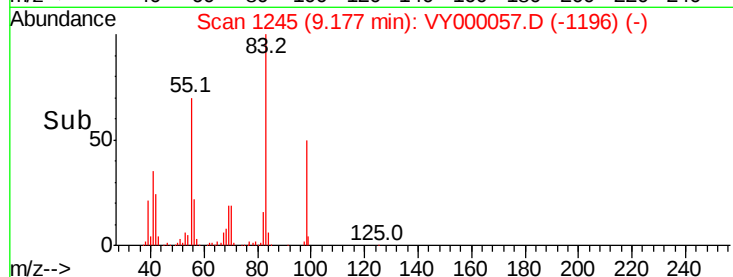
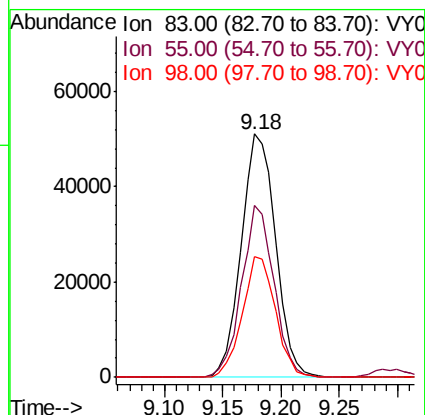
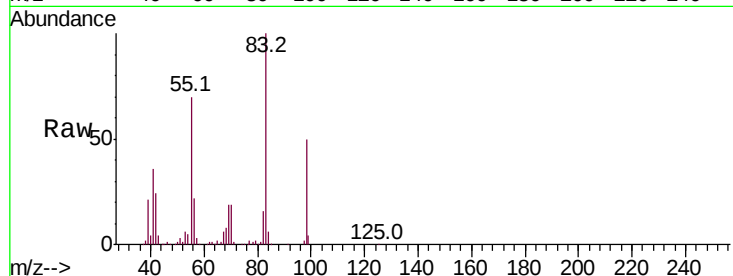




#39
Methvlcvclohexane
Concen: 48.054 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

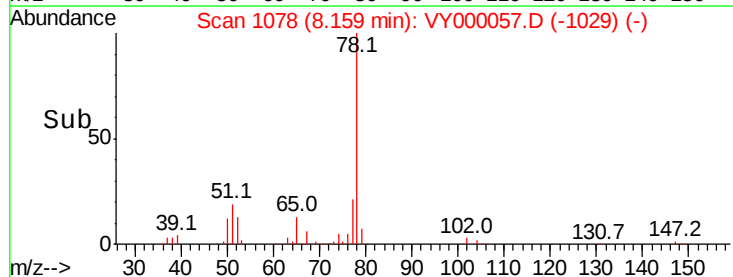
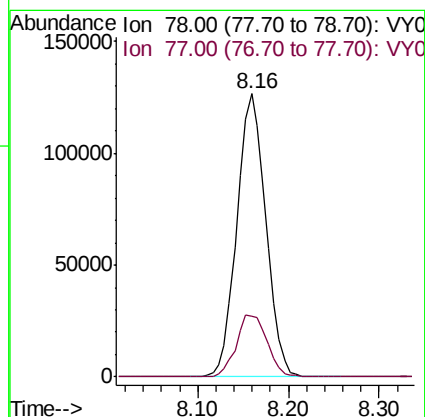
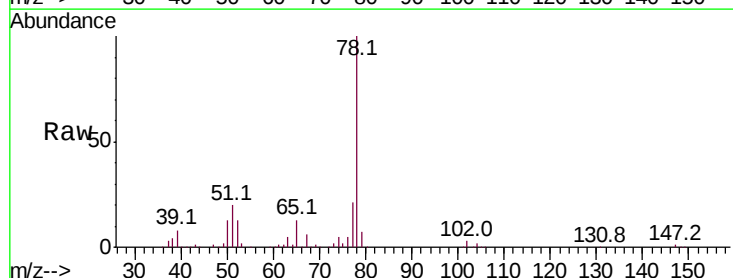
Instrument :
MSVOA_Y
ClientSampleId :

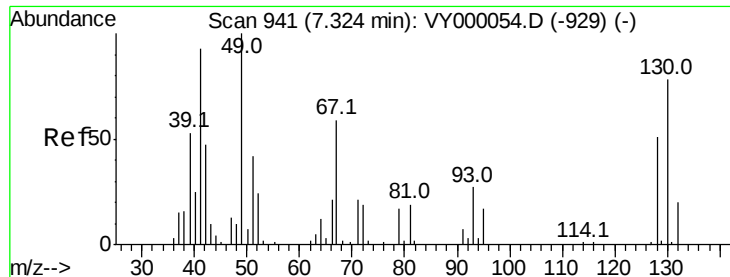
Tot Ion	83	Resp	105343
Ion Ratio	Lower	Upper	
83	100		
55	70.5	51.0	76.6
98	49.7	38.5	57.7



#40
Benzene
Concen: 47.598 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion	78	Resp	280271
Ion Ratio	Lower	Upper	
78	100		
77	21.4	16.8	25.2

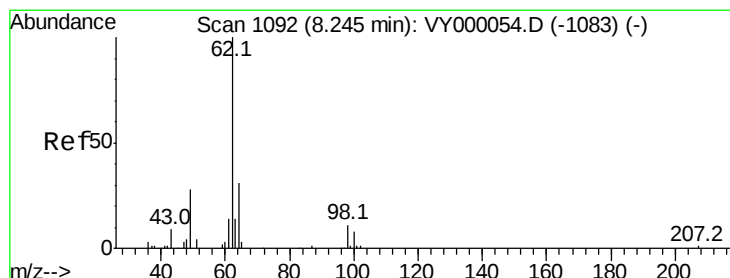
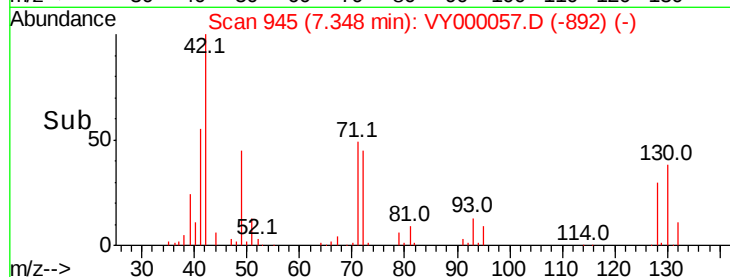
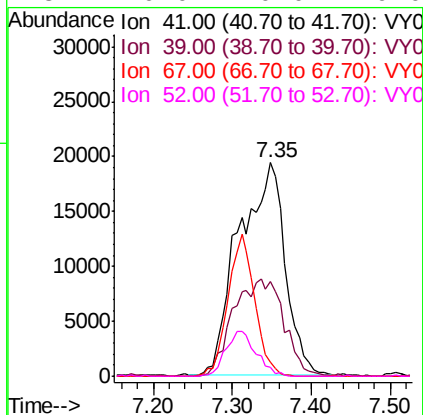
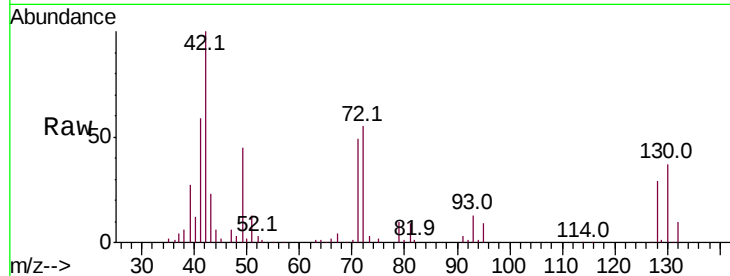




#41
Methacrylonitrile
Concen: 97.608 ug/l
RT: 7.35 min Scan# 945
Delta R.T. 0.02 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

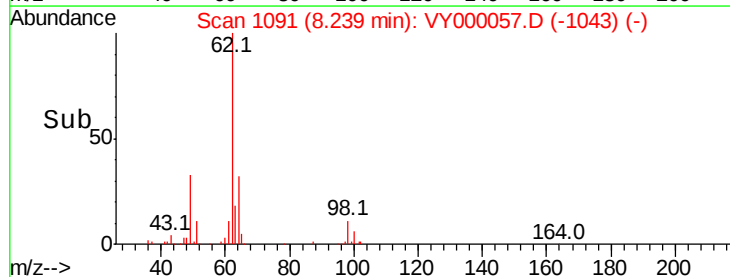
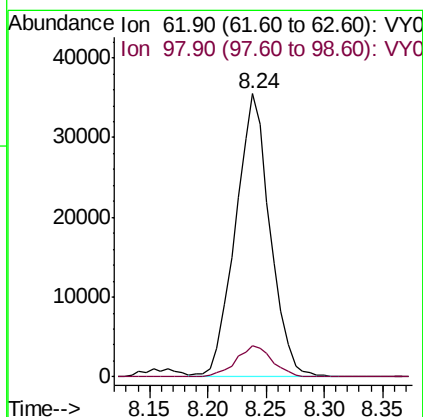
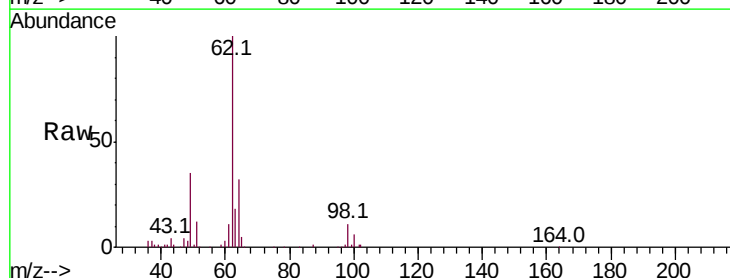
Instrument :
MSVOA_Y
ClientSampled :

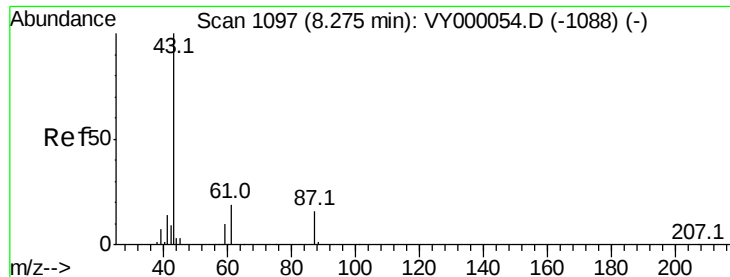
Tot Ion: 41 Resp: 78780
Ion Ratio Lower Upper
41 100
39 50.0 91.8 137.6#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 47.002 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 62 Resp: 73309
Ion Ratio Lower Upper
62 100
98 11.4 0.0 23.6





#43

Isopropyl Acetate

Concen: 48.556 ug/l

RT: 8.28 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

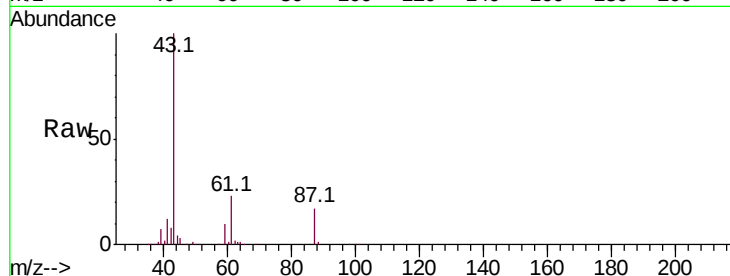
Tot Ion: 43 Resp: 112848

Ion Ratio Lower Upper

43 100

61 31.0 25.0 37.6

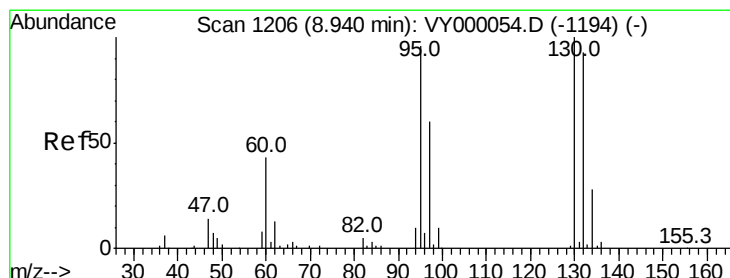
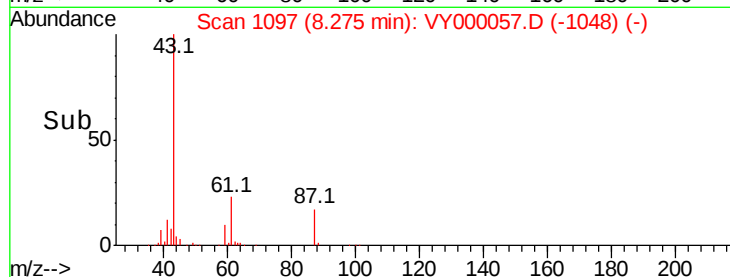
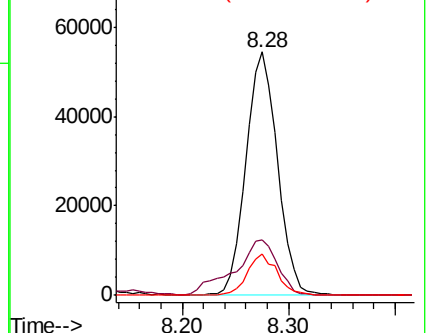
87 16.0 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-1088) (-)

Ion 61.00 (60.70 to 61.70): VY000054.D (-1088) (-)

Ion 87.00 (86.70 to 87.70): VY000054.D (-1088) (-)



#44

Trichloroethene

Concen: 46.831 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000057.D

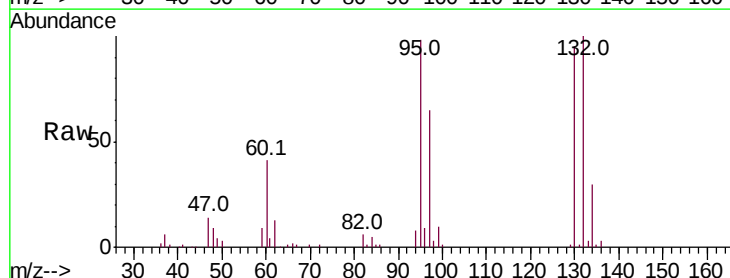
Acq: 17 Sep 2019 13:38

Tgt Ion:130 Resp: 70448

Ion Ratio Lower Upper

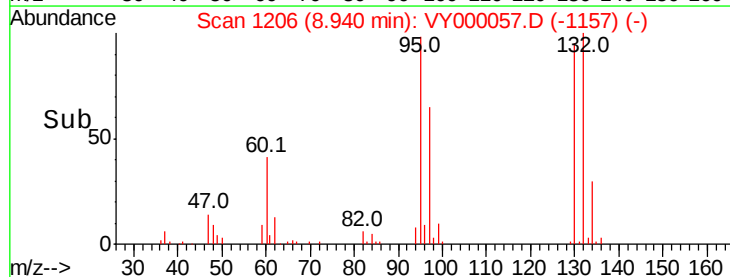
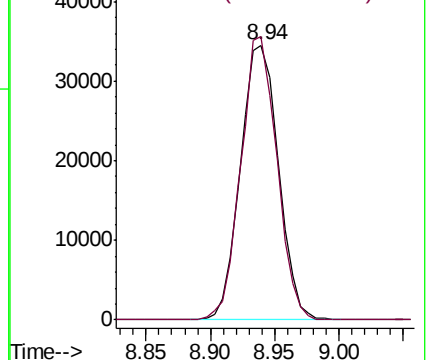
130 100

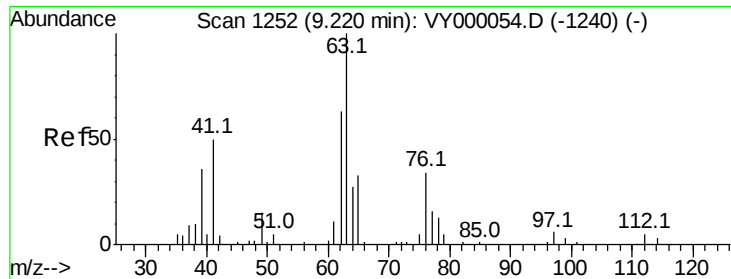
95 102.9 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): VY000054.D (-1194) (-)

Ion 94.90 (94.60 to 95.60): VY000054.D (-1194) (-)





#45

1,2-Dichloropropane

Concen: 46.712 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

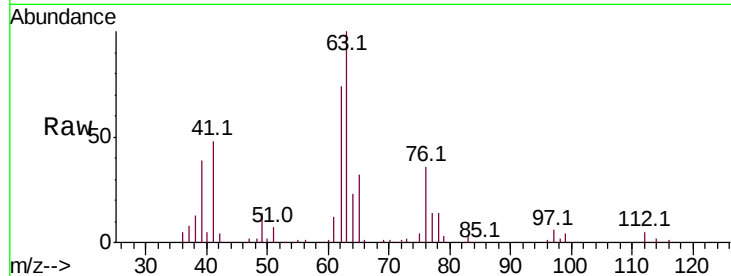
ClientSampleId :

Tot Ion: 63 Resp: 71252

Ion Ratio Lower Upper

63 100

65 31.5 26.2 39.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

40000

30000

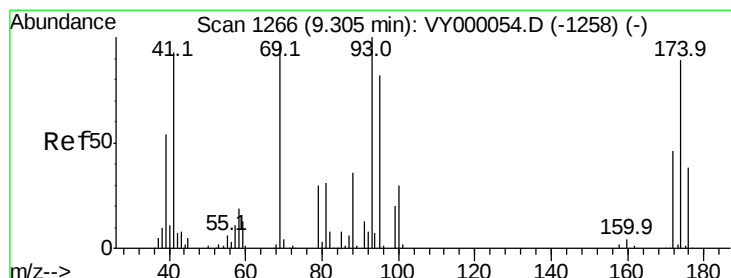
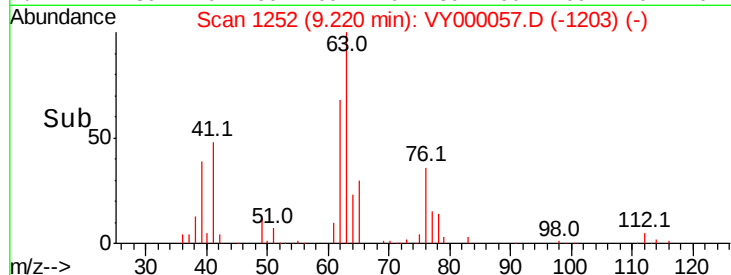
20000

10000

0

9.10 9.20 9.30

Time-->



#46

Dibromomethane

Concen: 47.423 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

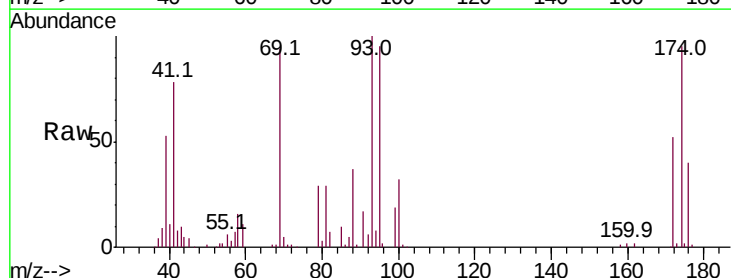
Tgt Ion: 93 Resp: 39511

Ion Ratio Lower Upper

93 100

95 85.8 68.1 102.1

174 87.6 67.8 101.6



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

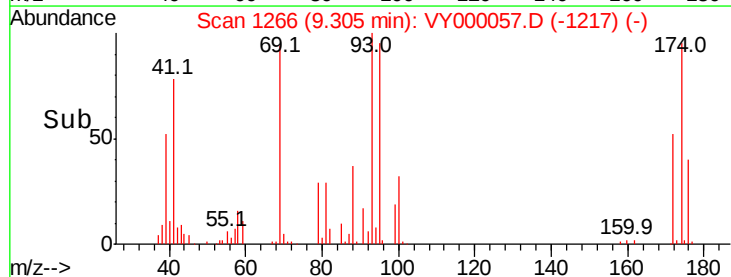
10000

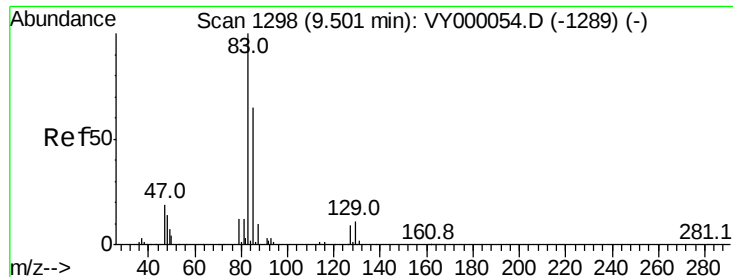
5000

0

9.20 9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 49.382 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

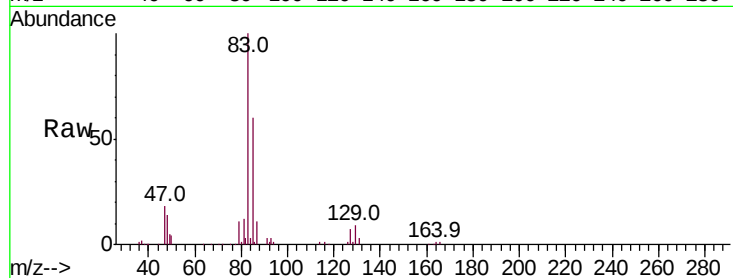
Tot Ion: 83 Resp: 99838

Ion Ratio Lower Upper

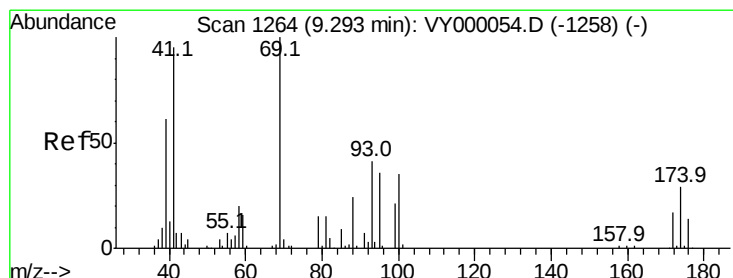
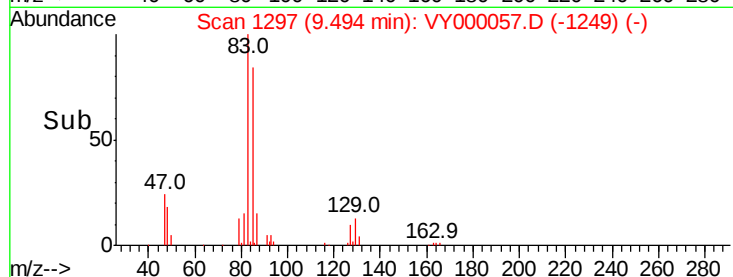
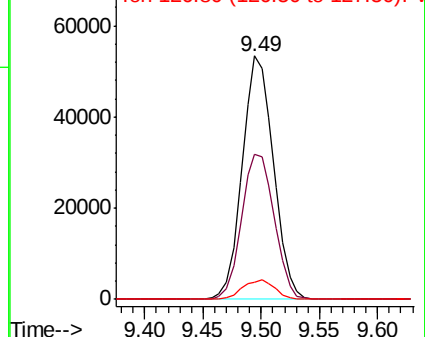
83 100

85 59.8 52.3 78.5

127 7.0 6.8 10.2



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



#48

Methyl methacrylate

Concen: 46.998 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

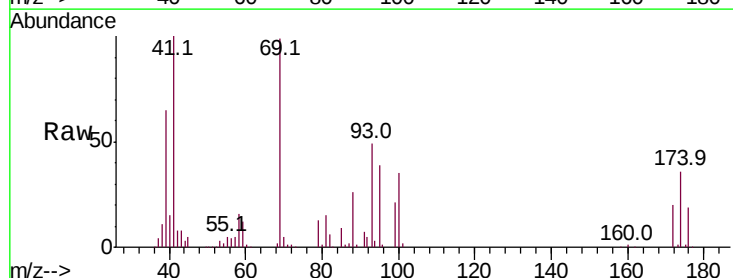
Tgt Ion: 41 Resp: 48037

Ion Ratio Lower Upper

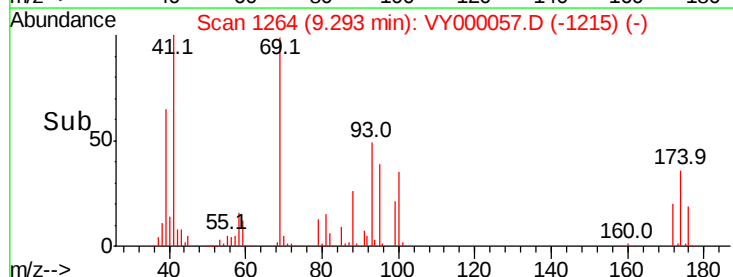
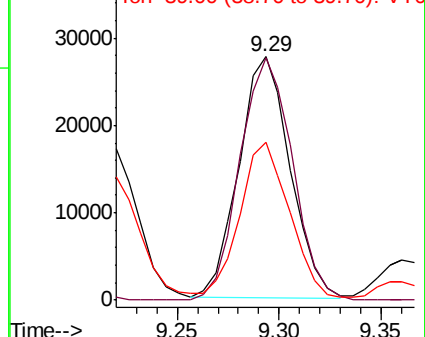
41 100

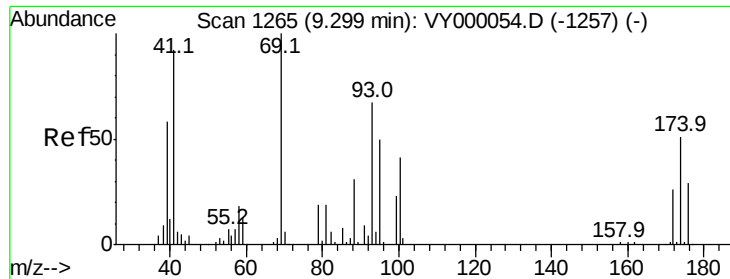
69 103.5 78.1 117.1

39 64.1 49.4 74.0



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

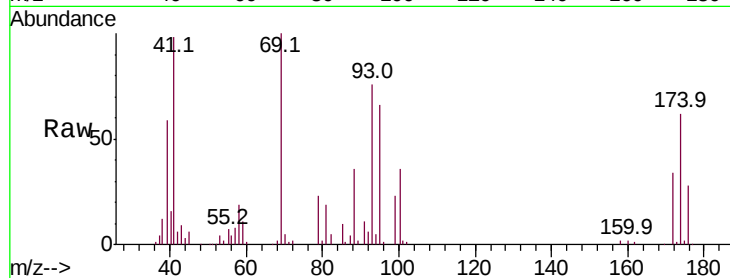




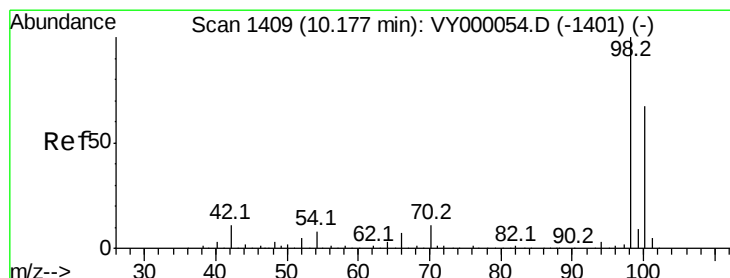
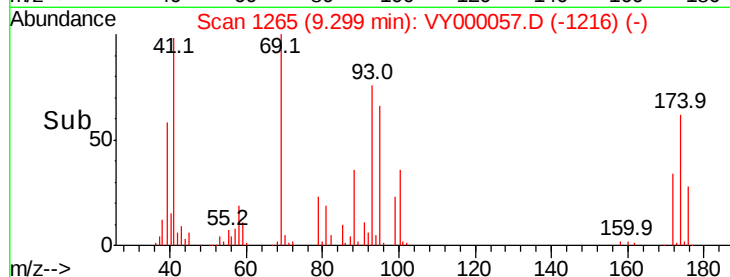
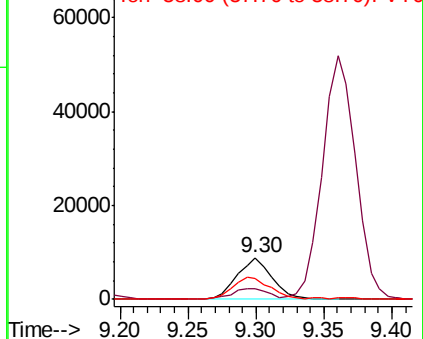
#49
1,4-Dioxane
Concen: 990.709 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 16026
Ion Ratio Lower Upper
88 100
43 27.0 18.7 28.1
58 57.1 53.0 79.6

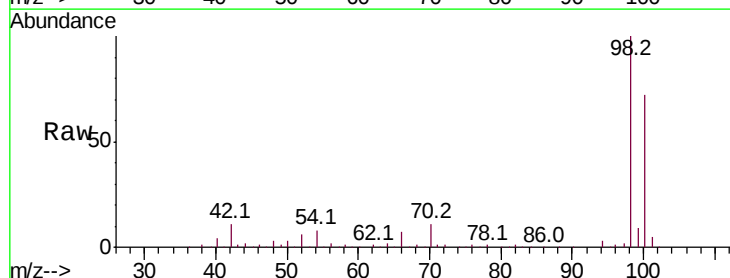


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

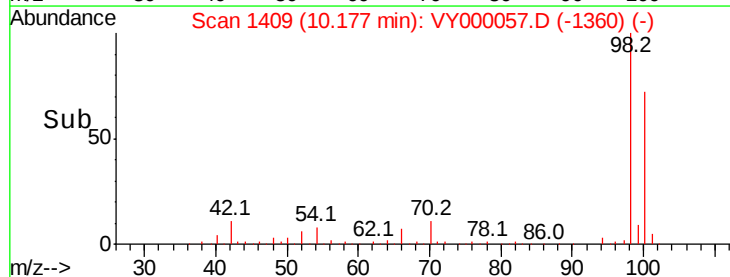
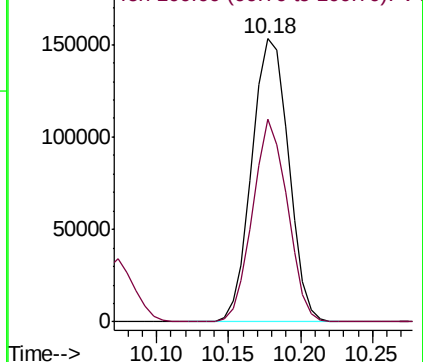


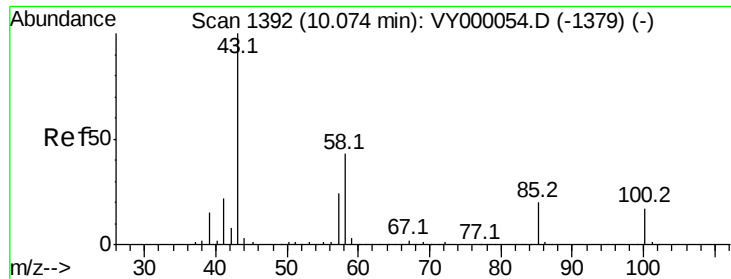
#50
Toluene-d8
Concen: 47.806 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 98 Resp: 271065
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 248.222 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

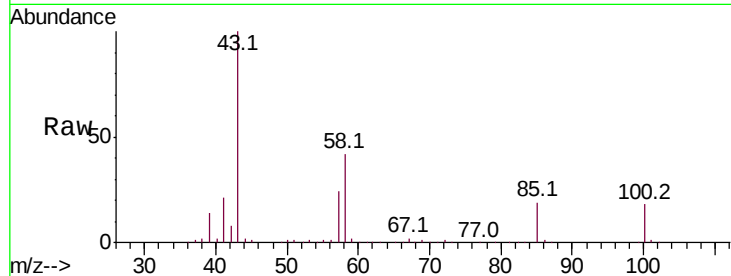
ClientSampled :

Tot Ion: 43 Resp: 314975

Ion Ratio Lower Upper

43 100

58 43.1 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-1379) (-)

Ion 58.00 (57.70 to 58.70): VY000054.D (-1379) (-)

10.07

200000

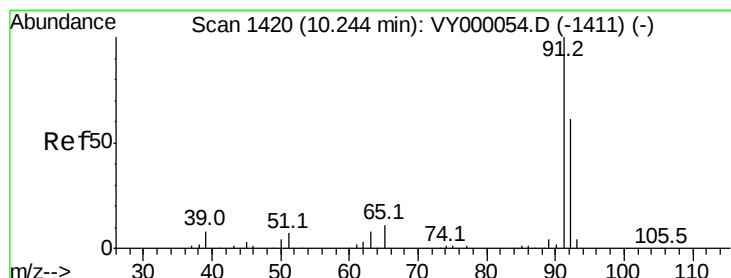
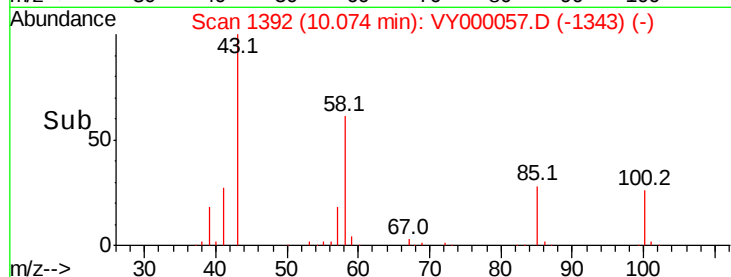
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.340 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000057.D

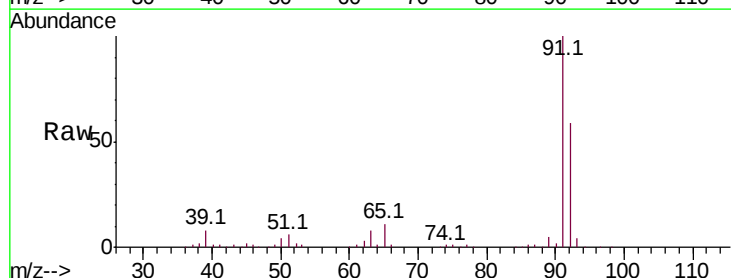
Acq: 17 Sep 2019 13:38

Tgt Ion: 92 Resp: 180843

Ion Ratio Lower Upper

92 100

91 166.8 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VY000054.D (-1411) (-)

Ion 91.00 (90.70 to 91.70): VY000054.D (-1411) (-)

10.24

200000

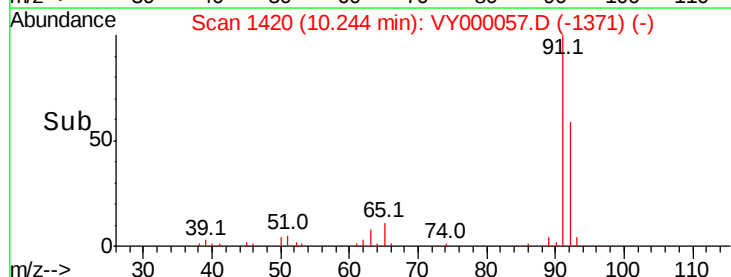
150000

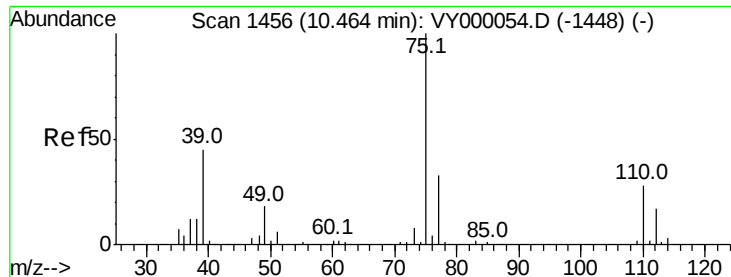
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.815 ug/l

RT: 10.47 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

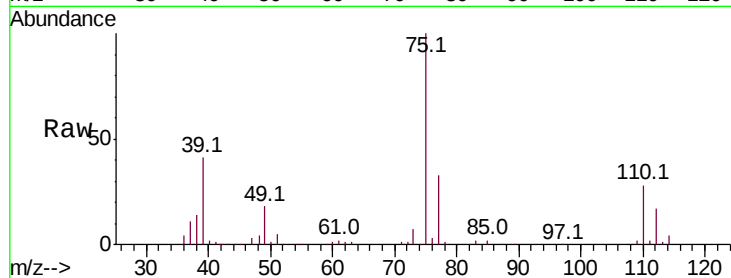
ClientSampleId :

Tot Ion: 75 Resp: 104642

Ion Ratio Lower Upper

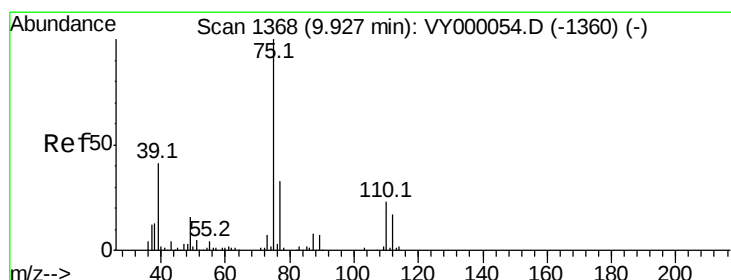
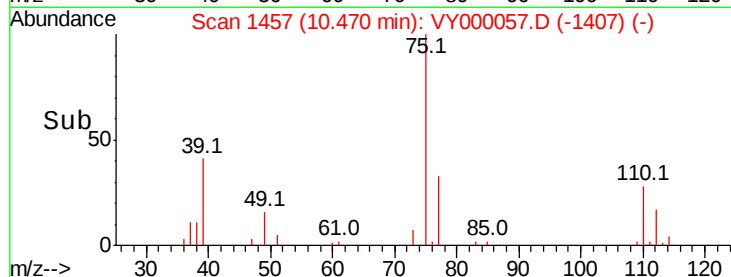
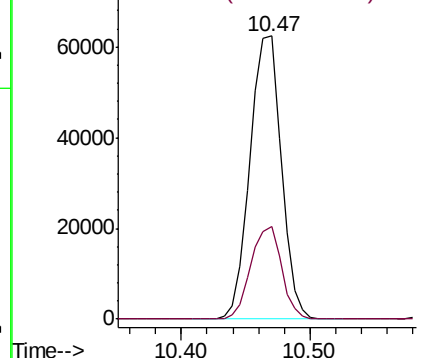
75 100

77 32.6 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 47.297 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

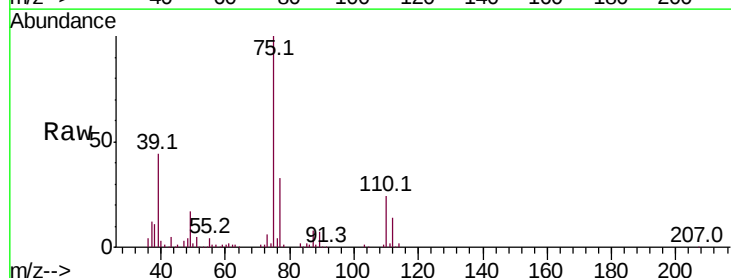
Tgt Ion: 75 Resp: 117082

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

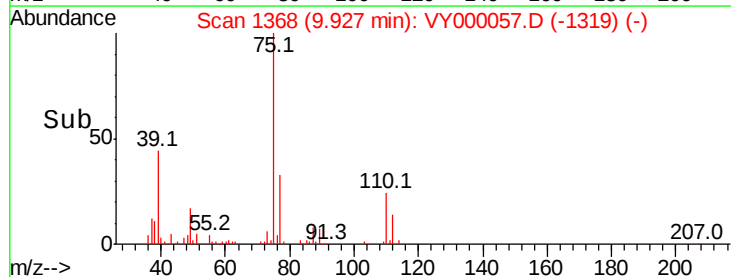
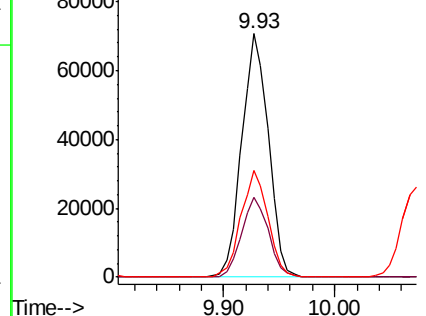
39 44.0 33.1 49.7

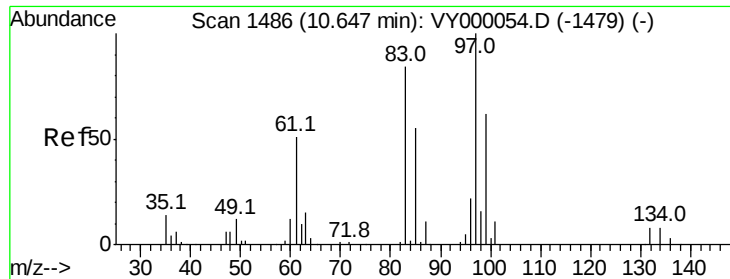


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 49.988 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 65295

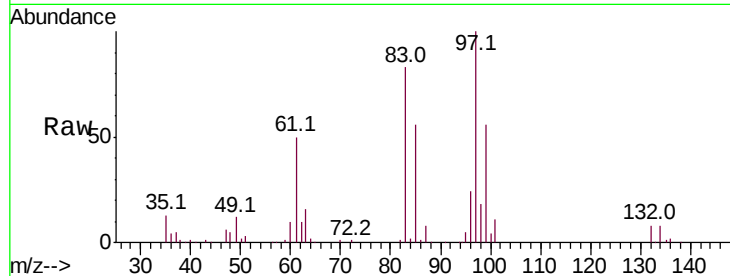
Ion Ratio Lower Upper

97 100

83 83.2 67.3 100.9

85 55.9 43.6 65.4

99 56.2 49.8 74.6

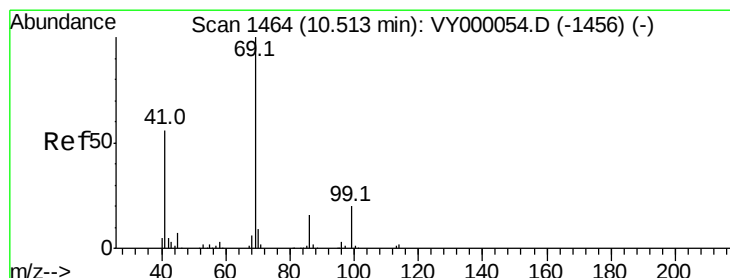
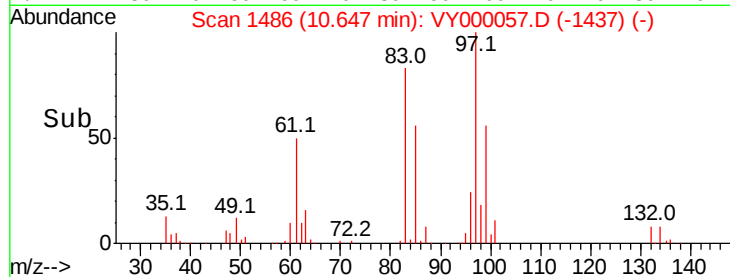
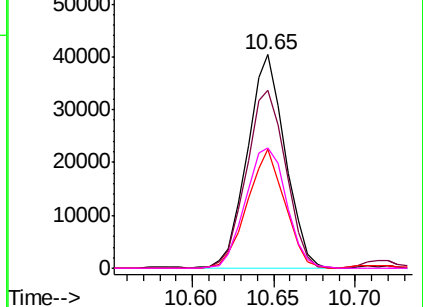


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 48.688 ug/l

RT: 10.51 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

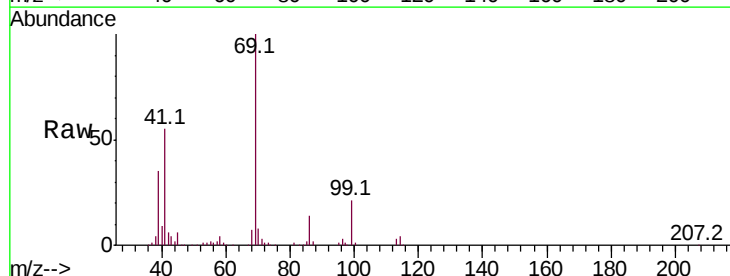
Tgt Ion: 69 Resp: 90497

Ion Ratio Lower Upper

69 100

41 58.6 45.6 68.4

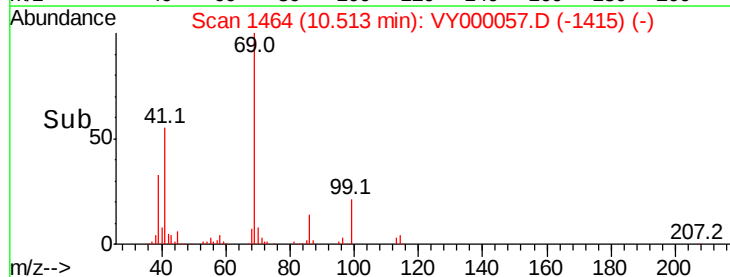
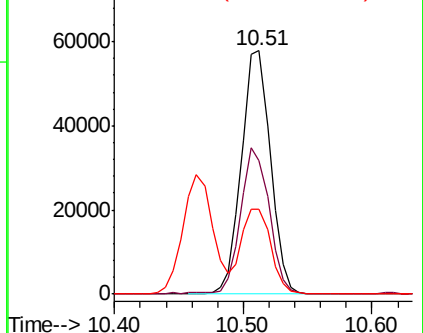
39 35.7 27.3 40.9

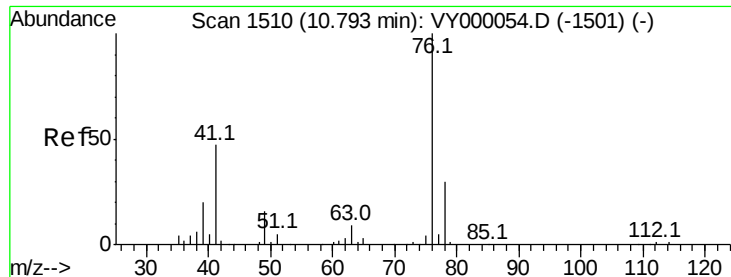


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 47.544 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

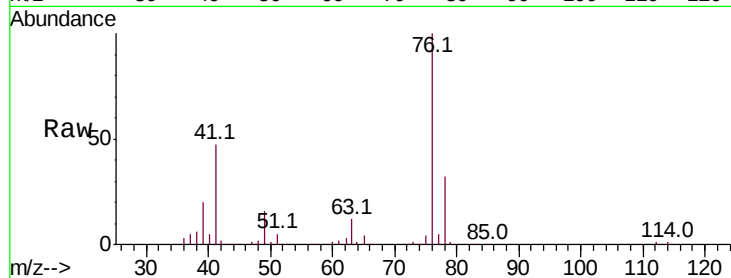
ClientSampleId :

Tot Ion: 76 Resp: 104321

Ion Ratio Lower Upper

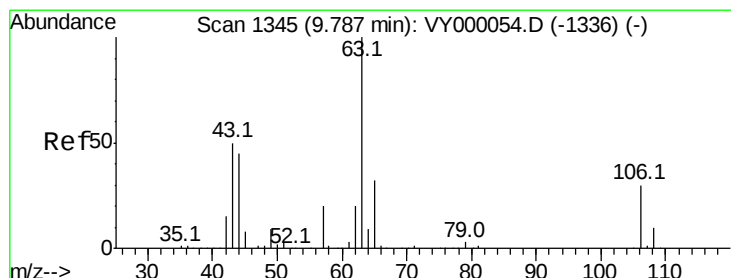
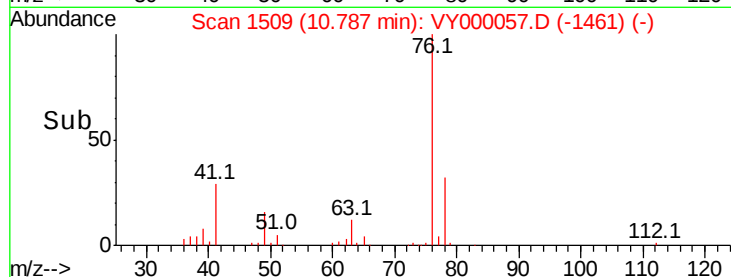
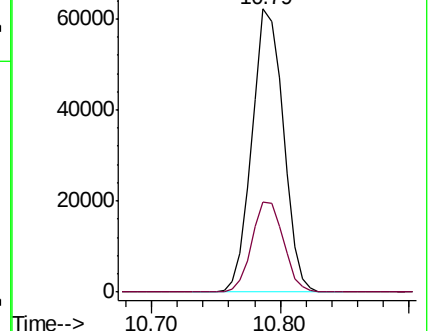
76 100

78 32.1 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 230.472 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY000057.D

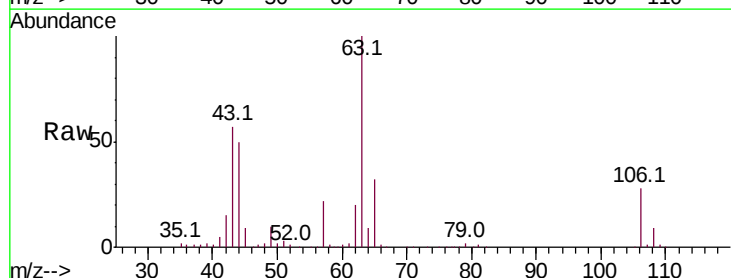
Acq: 17 Sep 2019 13:38

Tgt Ion: 63 Resp: 231570

Ion Ratio Lower Upper

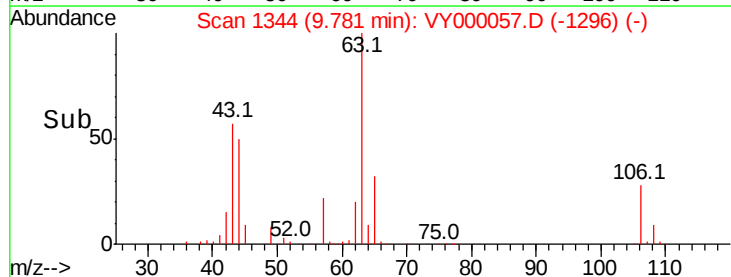
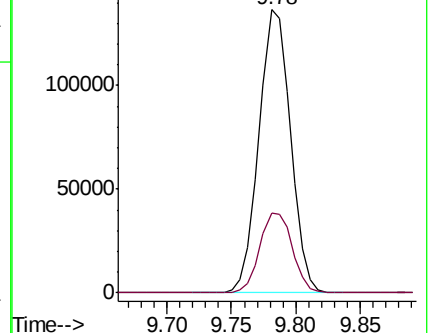
63 100

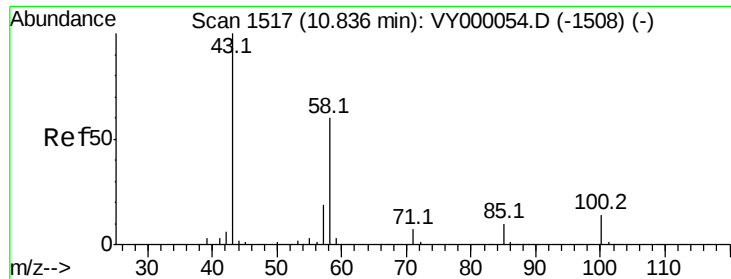
106 29.1 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

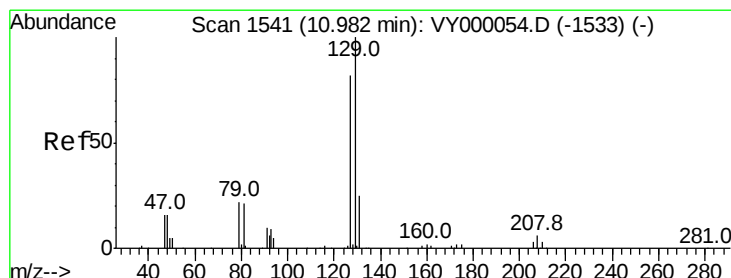
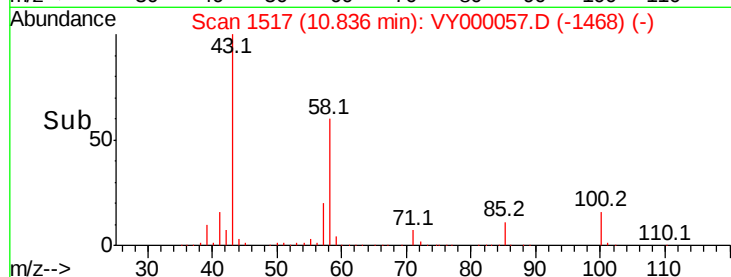
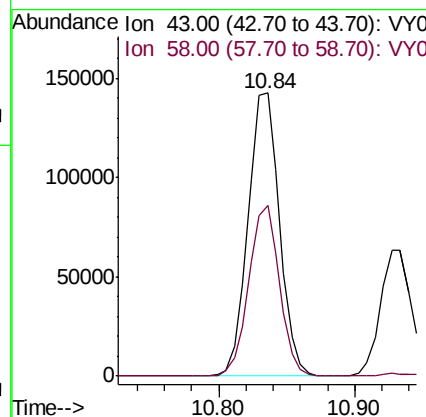
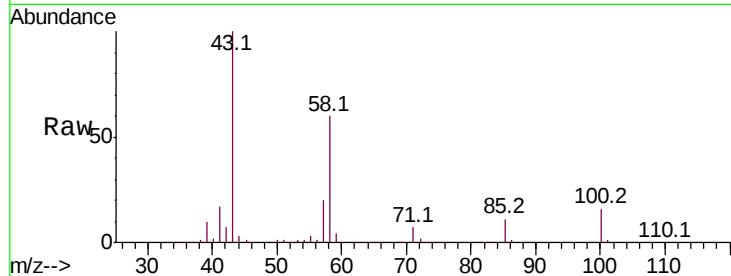




#59
2-Hexanone
Concen: 256.233 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

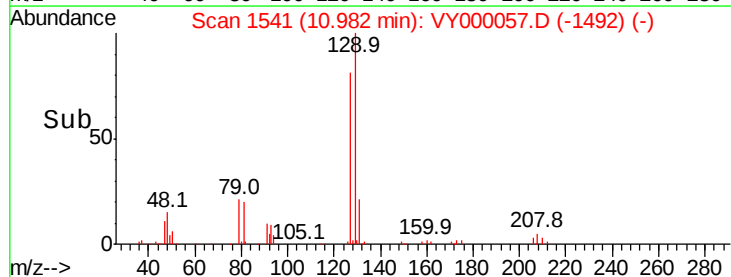
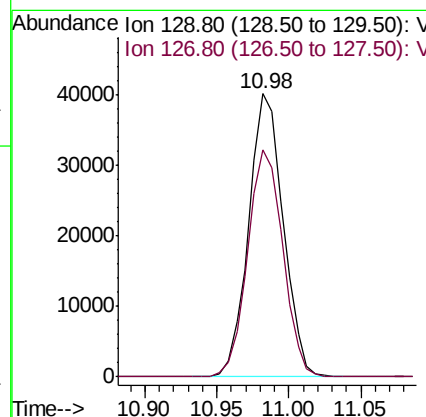
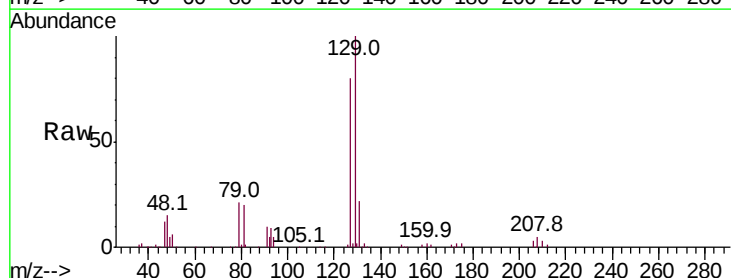
Instrument :
MSVOA_Y
ClientSampleId :

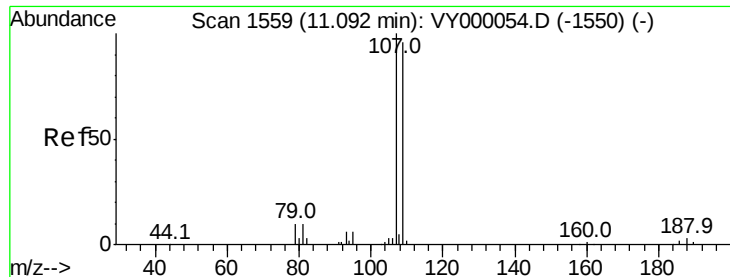
Tot Ion: 43 Resp: 231959
Ion Ratio Lower Upper
43 100
58 58.6 29.9 89.7



#60
Dibromochloromethane
Concen: 48.621 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 129 Resp: 66535
Ion Ratio Lower Upper
129 100
127 81.7 40.2 120.6





#61

1,2-Dibromoethane

Concen: 48.441 ug/l

RT: 11.09 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

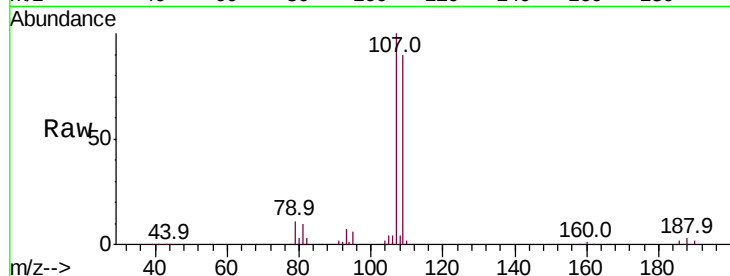
ClientSampleId :

Tot Ion:107 Resp: 57794

Ion Ratio Lower Upper

107 100

109 94.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

40000

30000

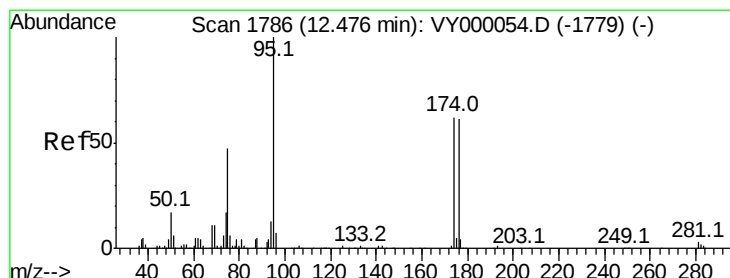
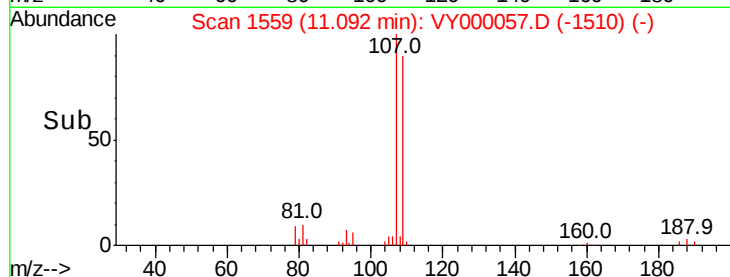
20000

10000

0

Time-->

11.00 11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 43.963 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

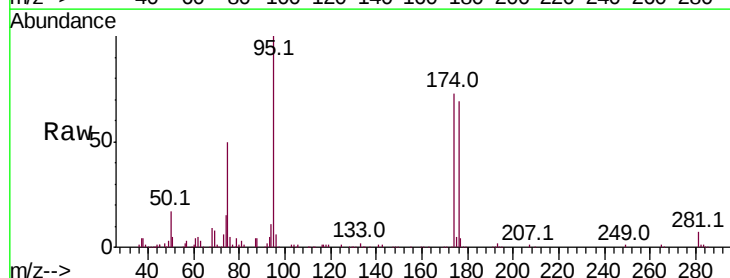
Tgt Ion: 95 Resp: 92550

Ion Ratio Lower Upper

95 100

174 70.9 0.0 137.2

176 69.9 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

80000

60000

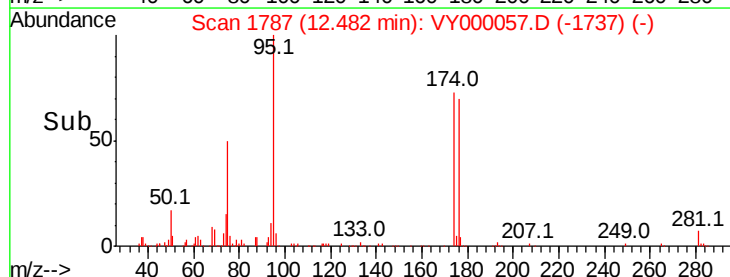
40000

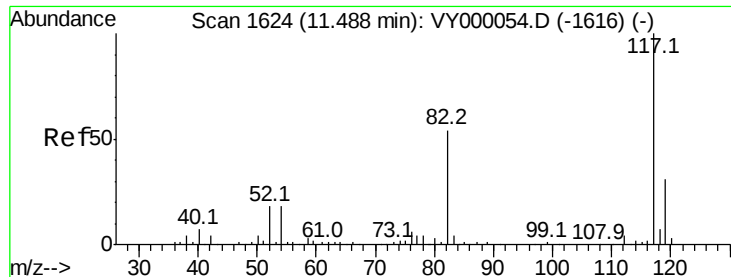
20000

0

Time-->

12.40 12.45 12.50 12.55

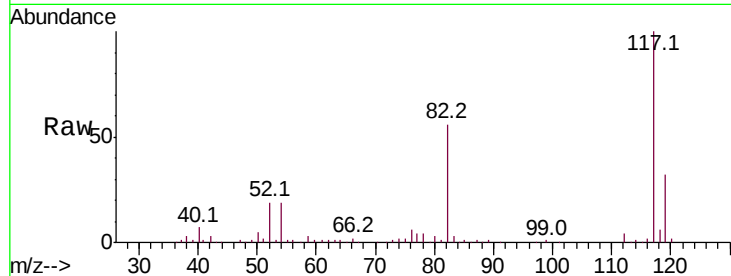




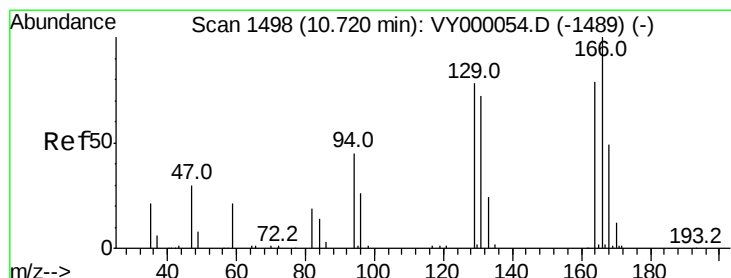
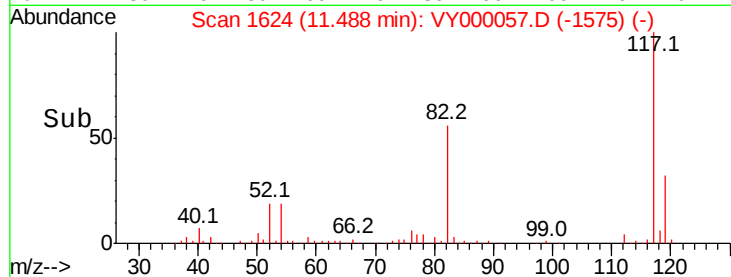
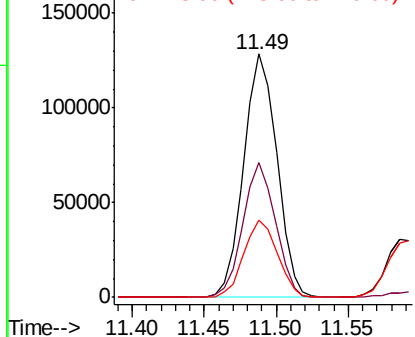
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 205100
Ion Ratio Lower Upper
117 100
82 55.6 43.5 65.3
119 31.8 24.6 36.8

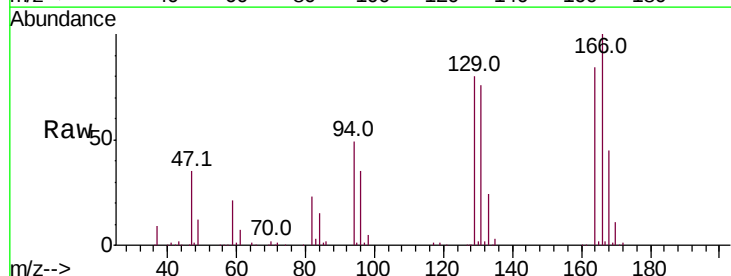


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

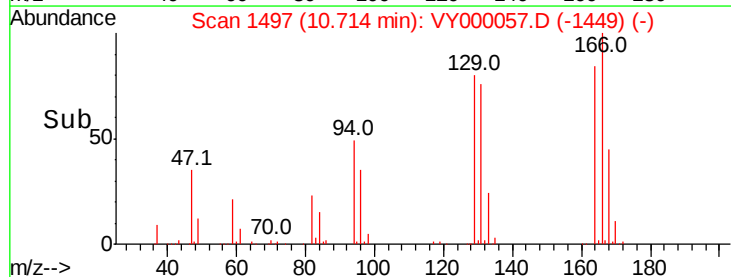
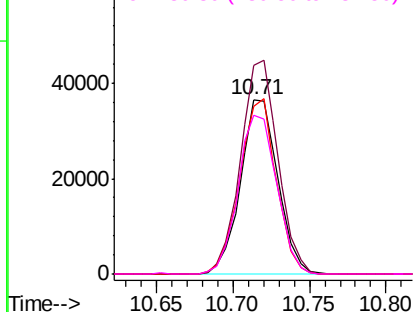


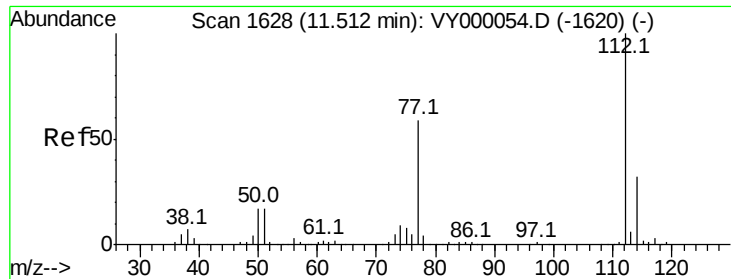
#64
Tetrachloroethene
Concen: 48.025 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion:164 Resp: 61822
Ion Ratio Lower Upper
164 100
166 119.6 100.9 151.3
129 96.0 78.4 117.6
131 90.6 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

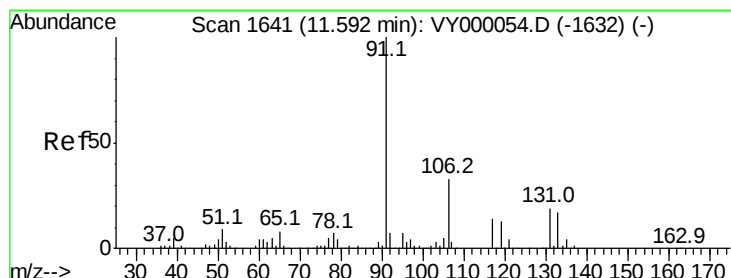
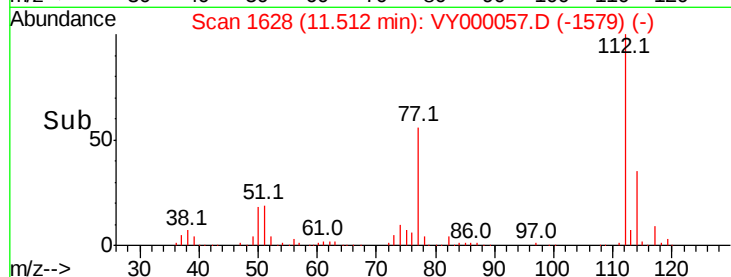
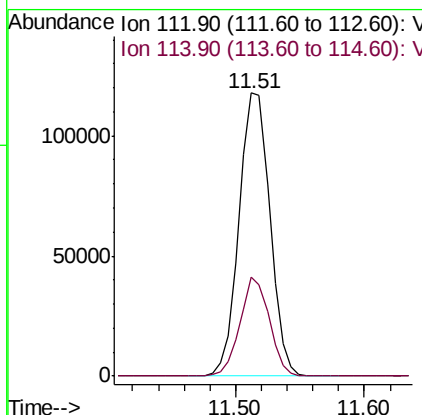
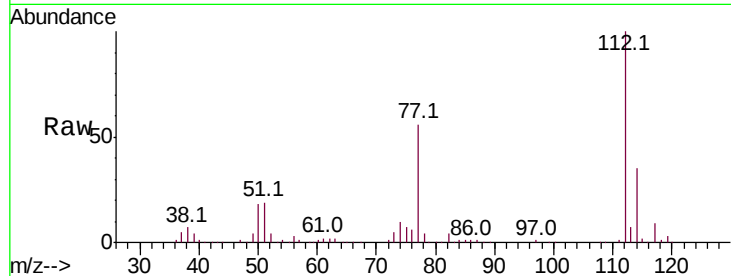




#65
Chlorobenzene
Concen: 48.217 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

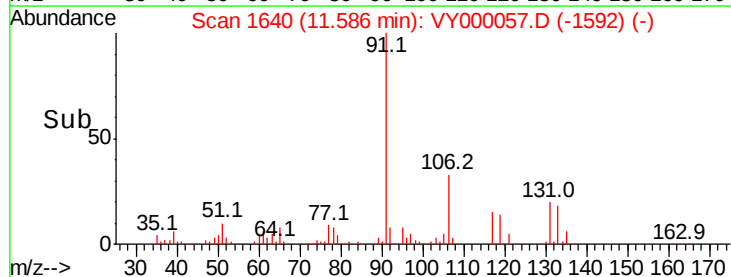
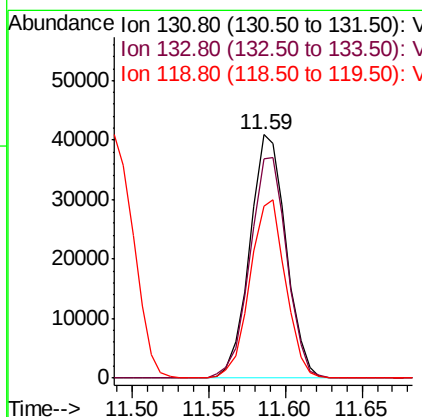
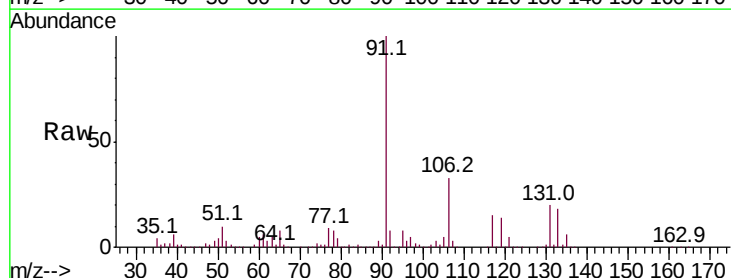
Instrument :
MSVOA_Y
ClientSampled :

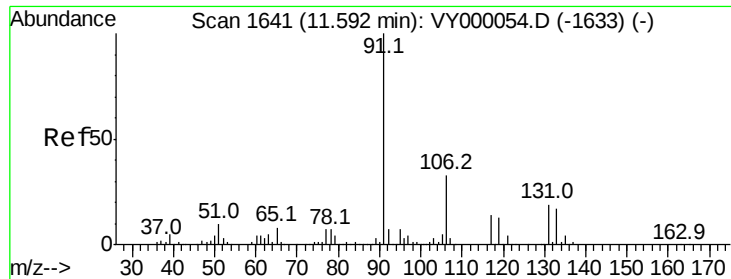
Tot Ion:112 Resp: 195613
Ion Ratio Lower Upper
112 100
114 35.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.165 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion:131 Resp: 67440
Ion Ratio Lower Upper
131 100
133 92.1 46.6 139.8
119 72.0 36.2 108.6

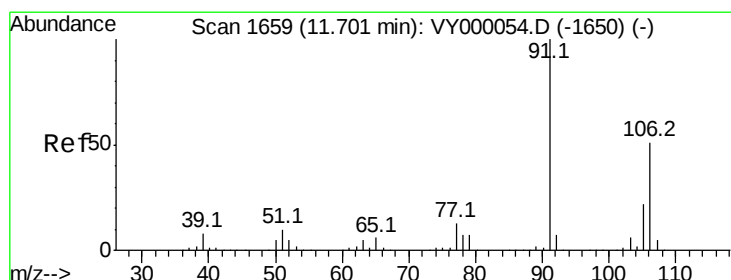
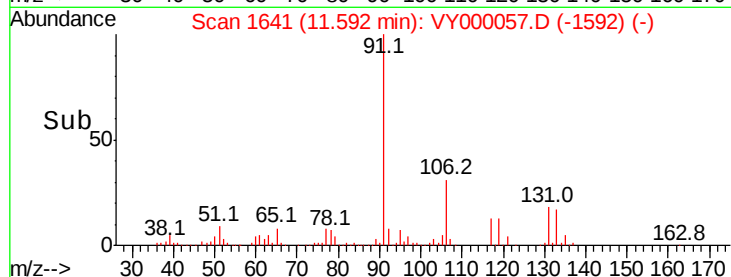
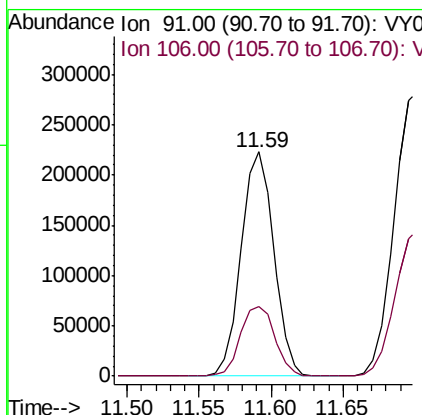
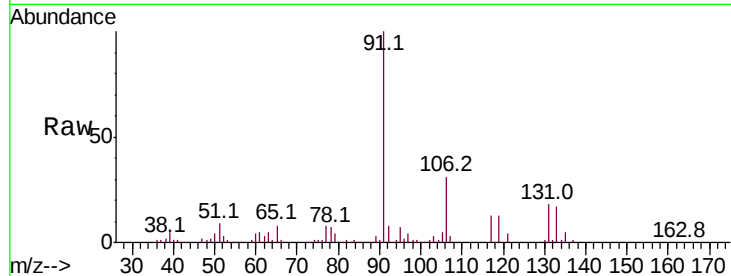




#67
Ethyl Benzene
Concen: 48.460 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

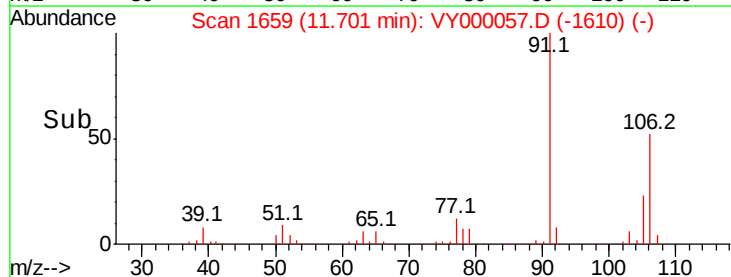
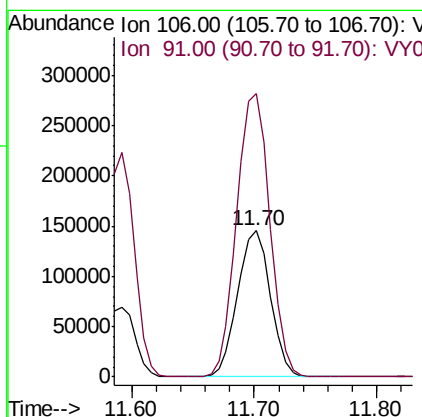
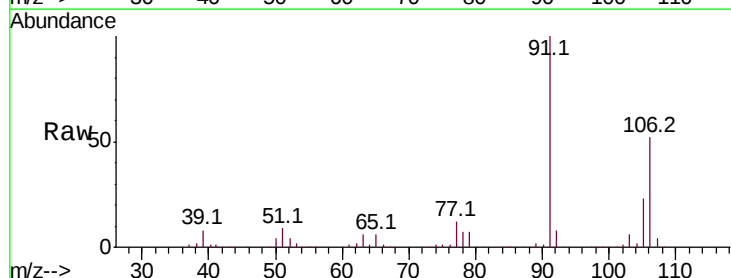
Instrument :
MSVOA_Y
ClientSampleId :

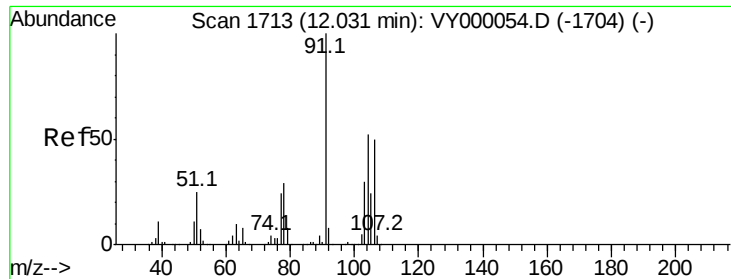
Tot Ion: 91 Resp: 350862
Ion Ratio Lower Upper
91 100
106 31.3 26.6 40.0



#68
m/p-Xylenes
Concen: 98.178 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion:106 Resp: 270474
Ion Ratio Lower Upper
106 100
91 195.4 154.5 231.7

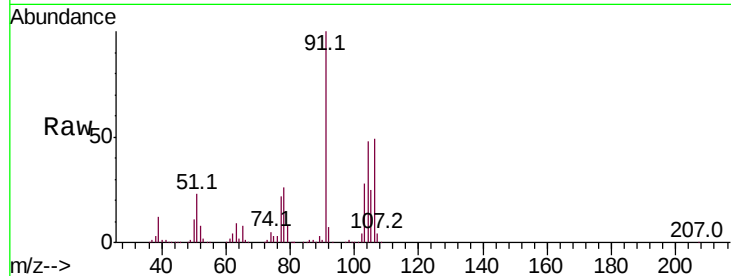




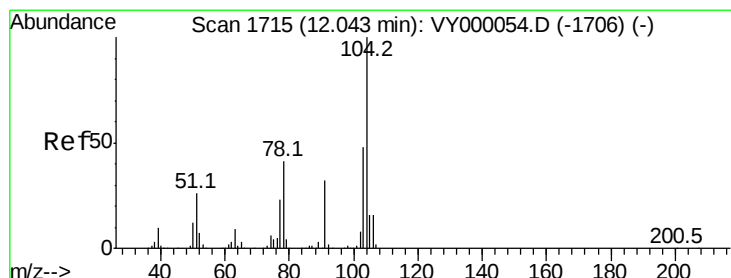
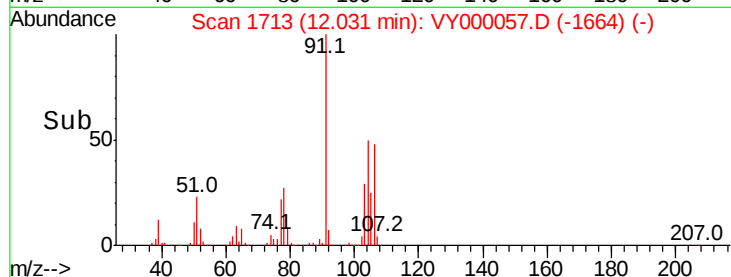
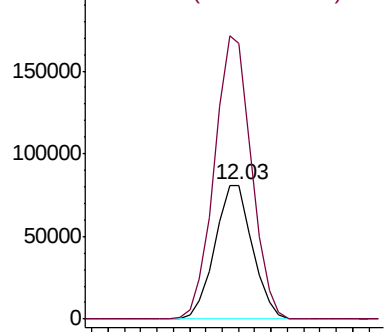
#69
o-Xylene
Concen: 48.889 ug/l
RT: 12.03 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 130413
Ion Ratio Lower Upper
106 100
91 207.2 103.5 310.3

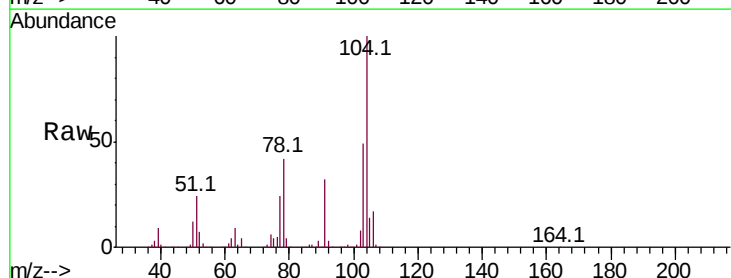


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

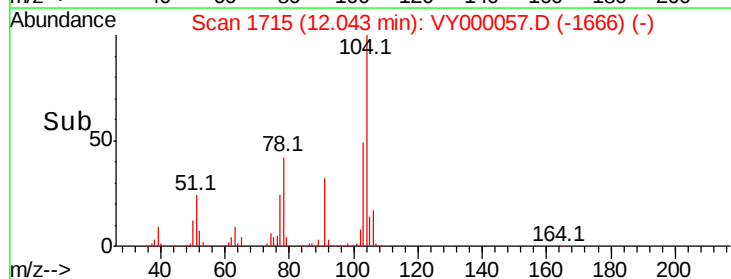
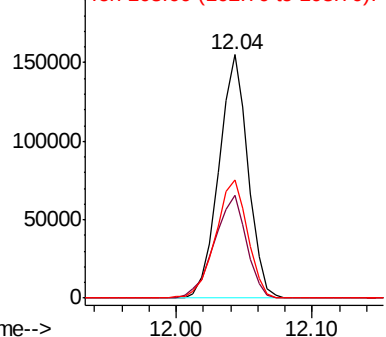


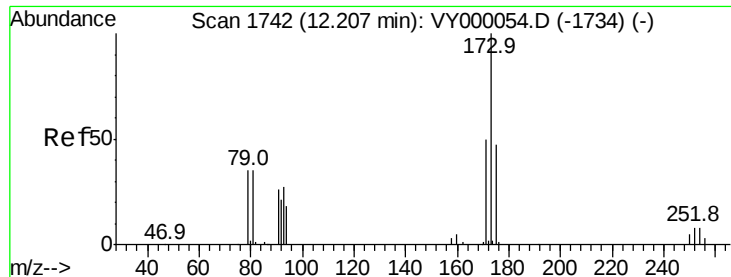
#70
Styrene
Concen: 49.574 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion:104 Resp: 232151
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 53.3 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: 52.355 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

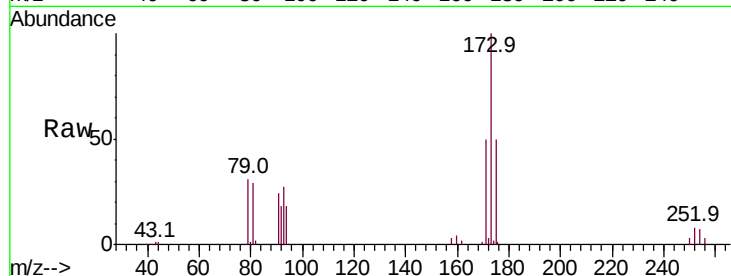
Tot Ion:173 Resp: 41576

Ion Ratio Lower Upper

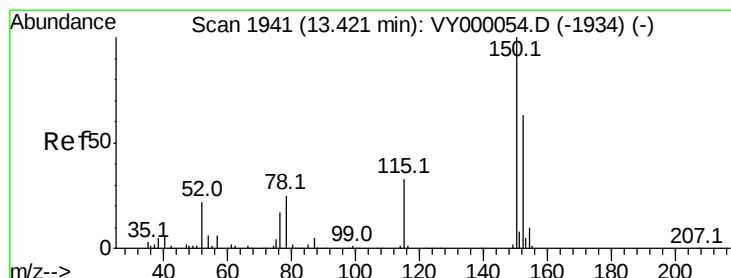
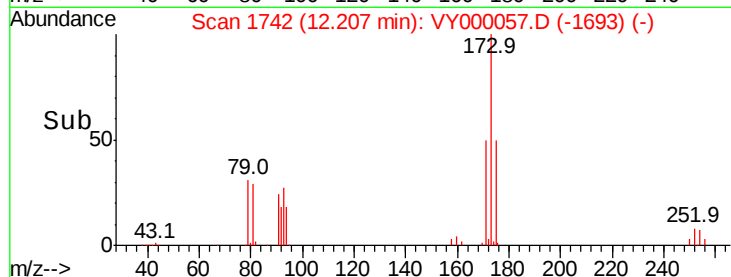
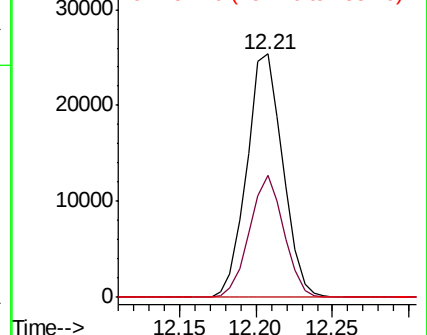
173 100

175 47.6 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: VY000057.D

Acq: 17 Sep 2019 13:38

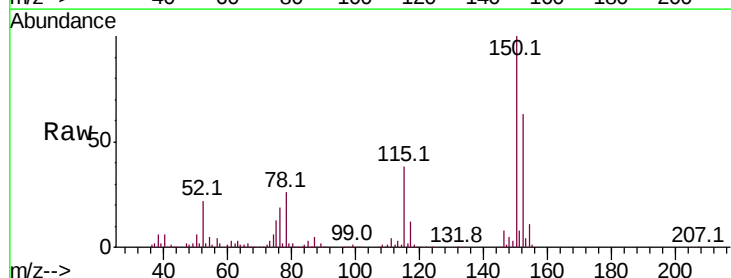
Tgt Ion:152 Resp: 91954

Ion Ratio Lower Upper

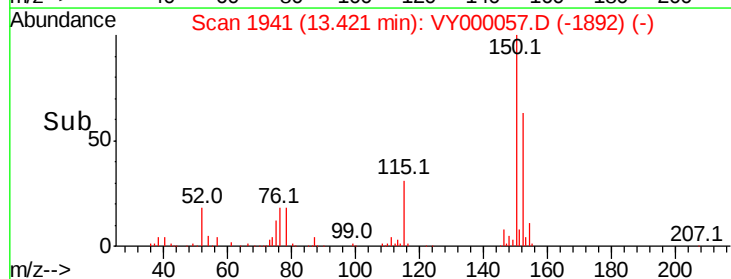
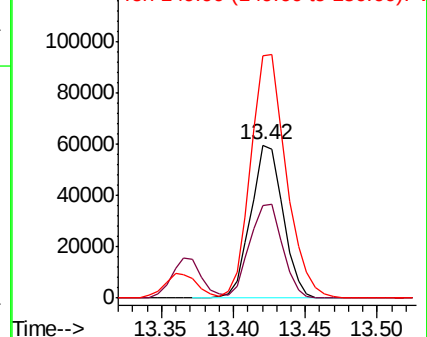
152 100

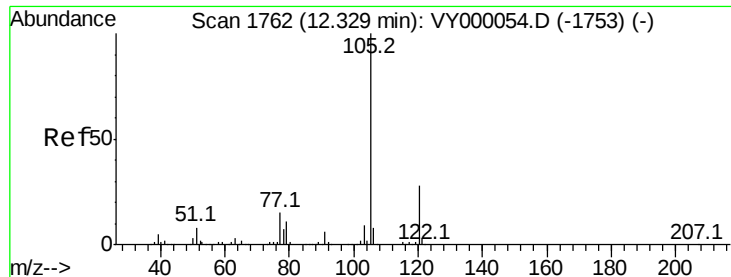
115 62.5 30.7 92.1

150 174.7 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: 47.449 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

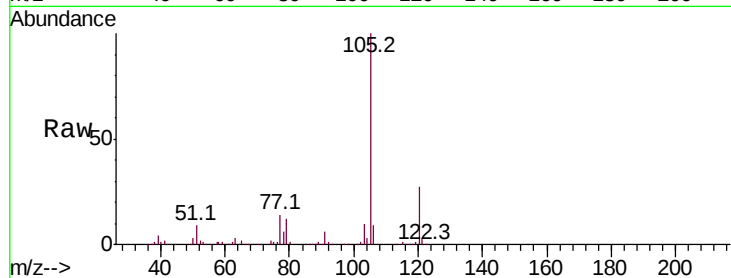
ClientSampled :

Tot Ion:105 Resp: 351622

Ion Ratio Lower Upper

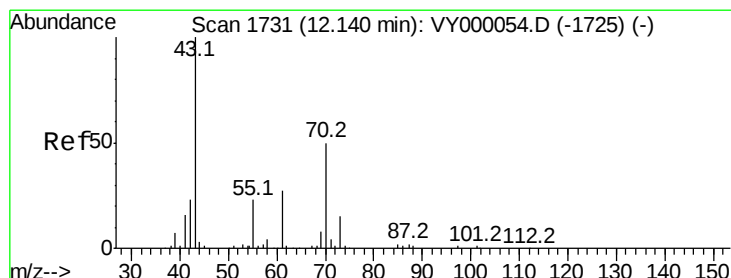
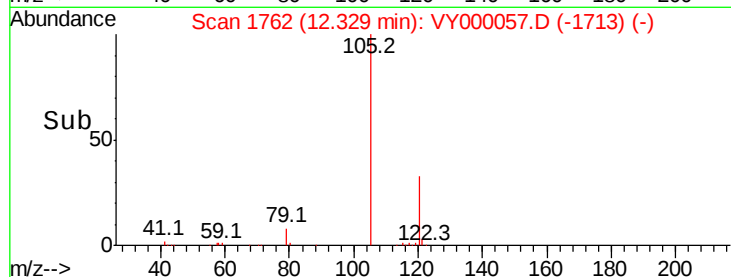
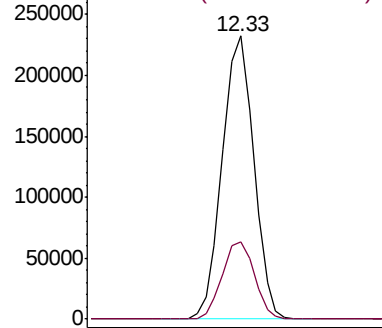
105 100

120 28.0 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.900 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Tgt Ion: 43 Resp: 105348

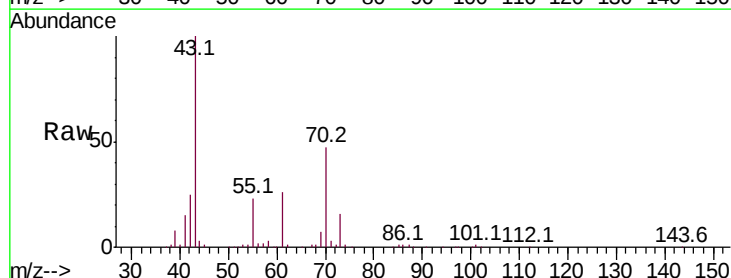
Ion Ratio Lower Upper

43 100

70 46.9 38.8 58.2

55 22.7 18.8 28.2

61 26.0 21.4 32.2

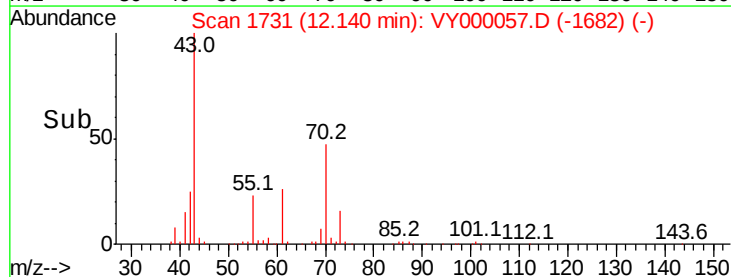
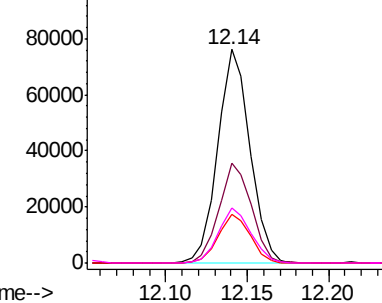


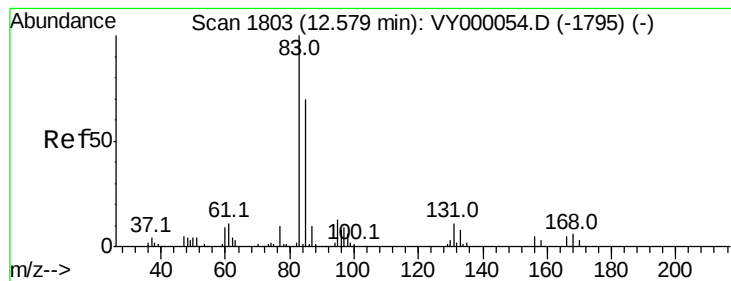
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.358 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

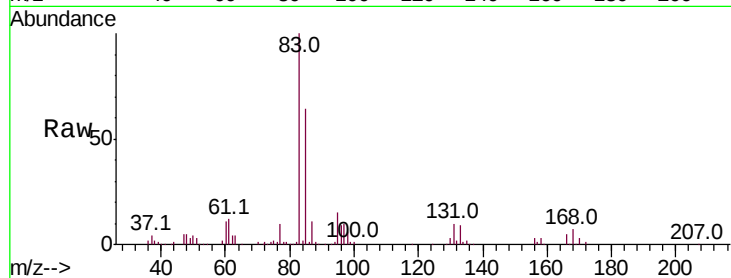
Tot Ion: 83 Resp: 82613

Ion Ratio Lower Upper

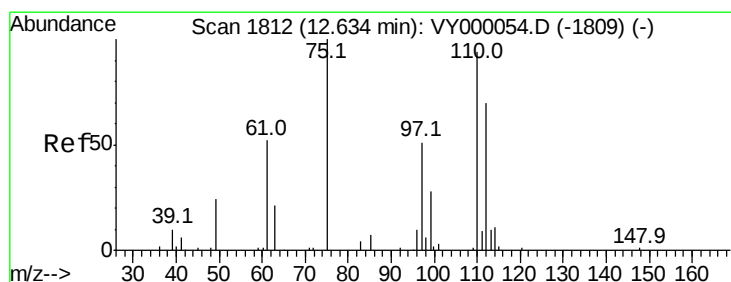
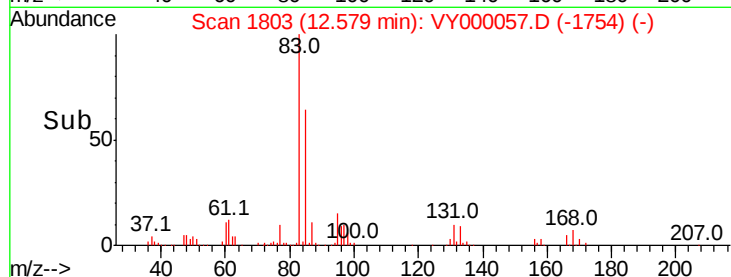
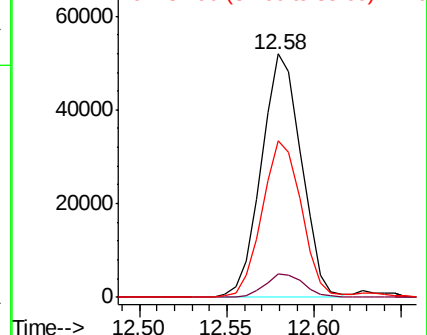
83 100

131 9.4 4.9 14.7

85 63.2 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: 84.615 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VY000057.D

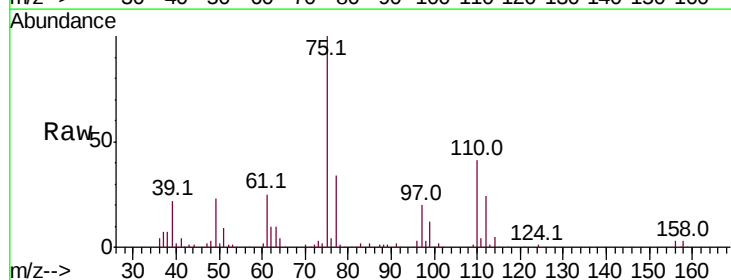
Acq: 17 Sep 2019 13:38

Tgt Ion: 75 Resp: 109474

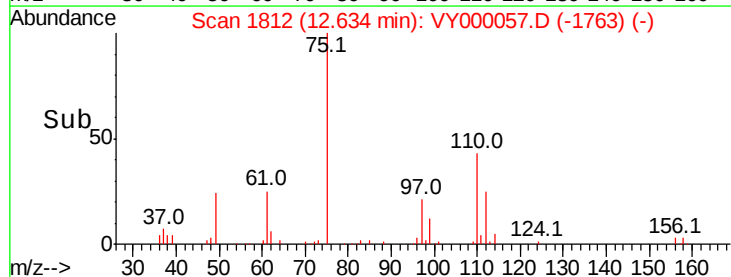
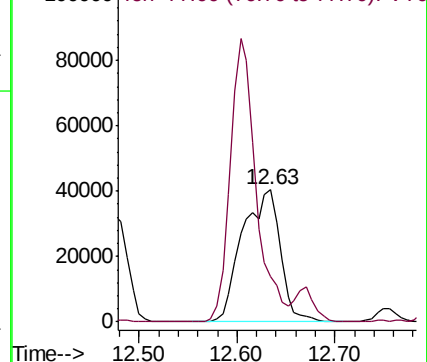
Ion Ratio Lower Upper

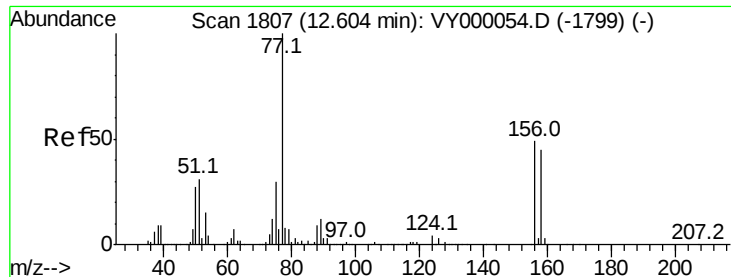
75 100

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: 47.628 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

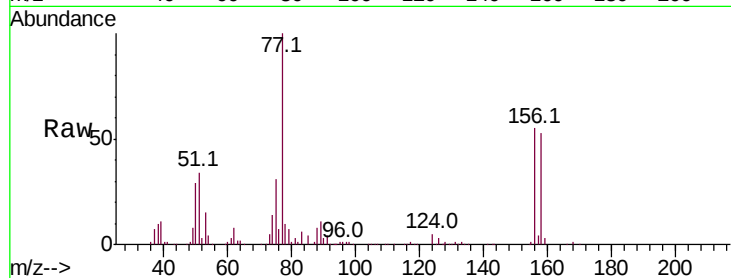
Tot Ion:156 Resp: 73700

Ion Ratio Lower Upper

156 100

77 216.4 109.7 329.0

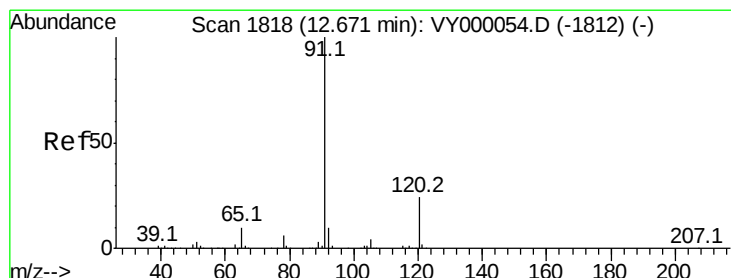
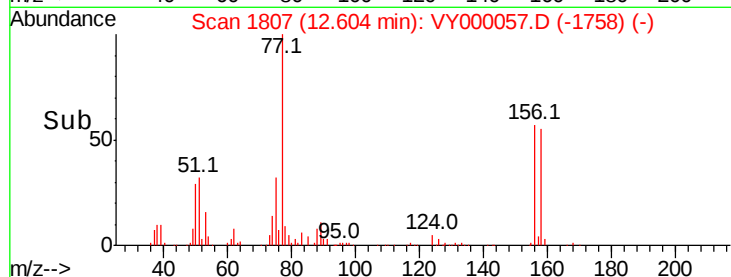
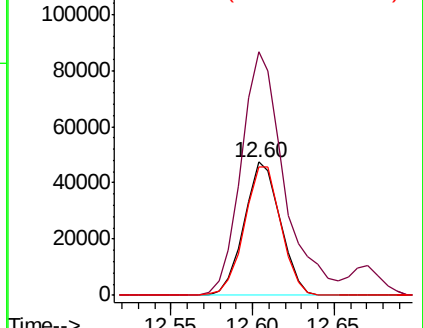
158 96.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VY0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 47.839 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000057.D

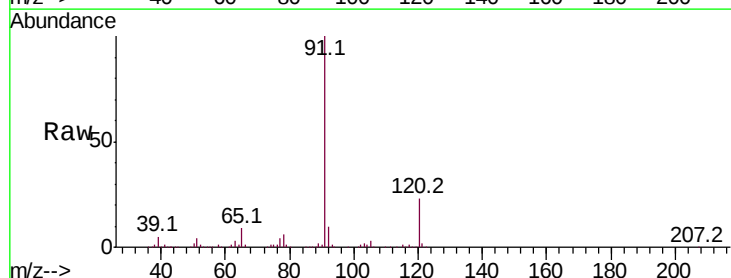
Acq: 17 Sep 2019 13:38

Tgt Ion: 91 Resp: 432439

Ion Ratio Lower Upper

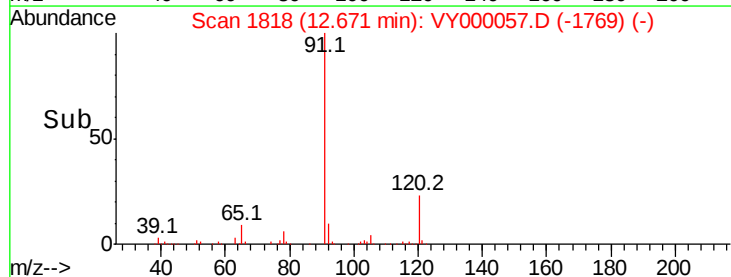
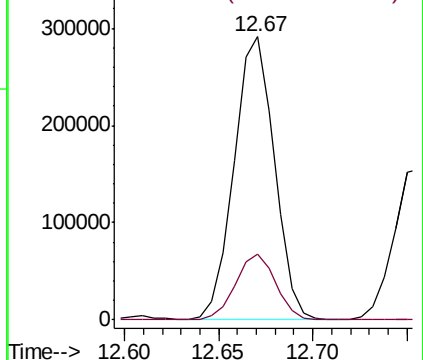
91 100

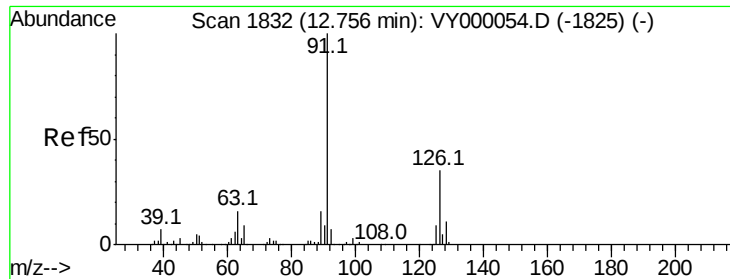
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.30): VY0

Ion 120.00 (119.70 to 120.30): V

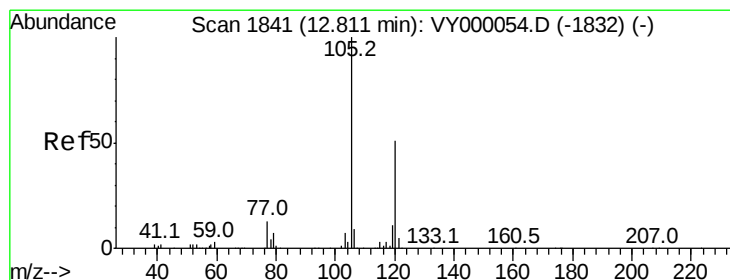
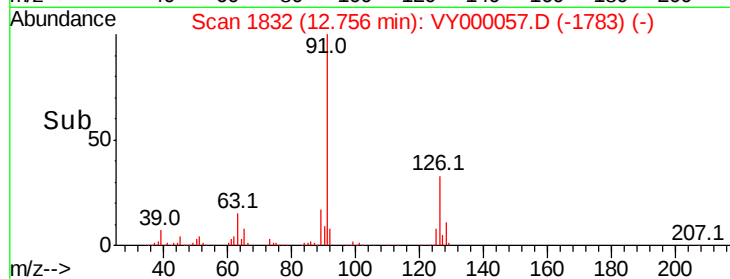
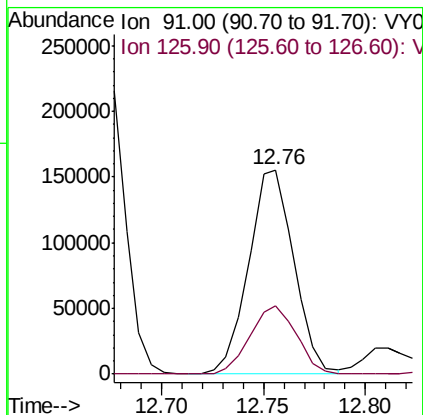
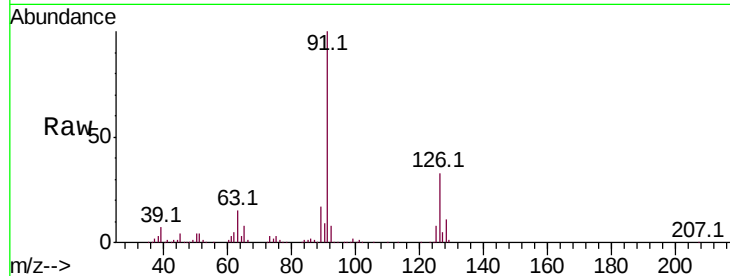




#79
 2-Chlorotoluene
 Concen: 47.519 ug/l
 RT: 12.76 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

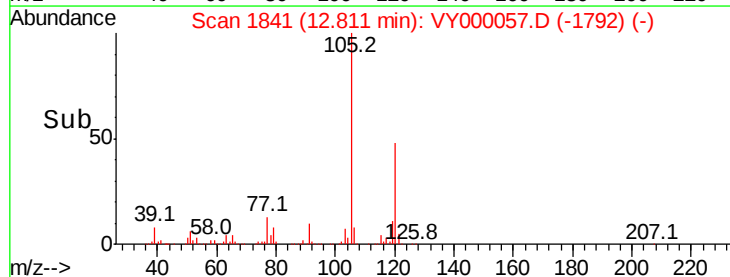
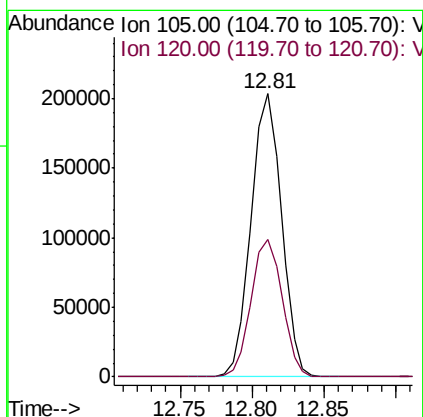
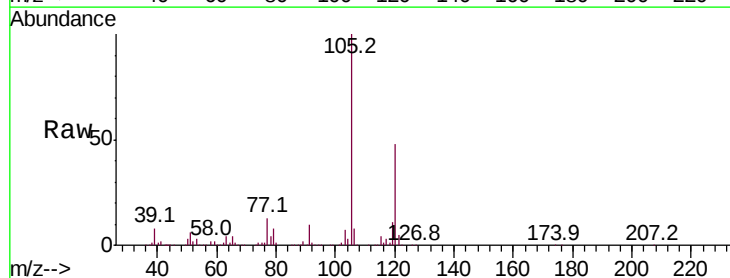
Instrument :
 MSVOA_Y
 ClientSampleId :

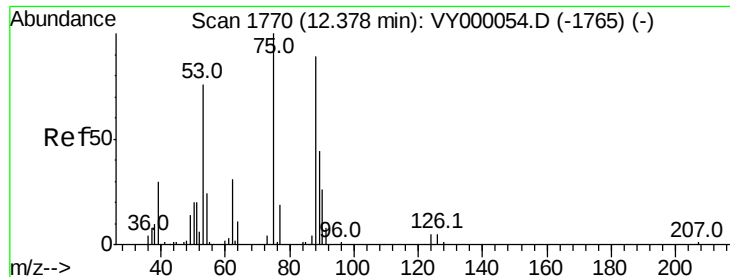
Tot Ion: 91 Resp: 240144
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.498 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Tgt Ion:105 Resp: 297715
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.268 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

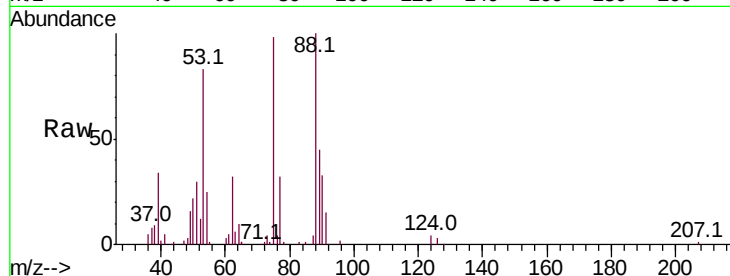
Tot Ion: 75 Resp: 31125

Ion Ratio Lower Upper

75 100

53 81.2 60.9 91.3

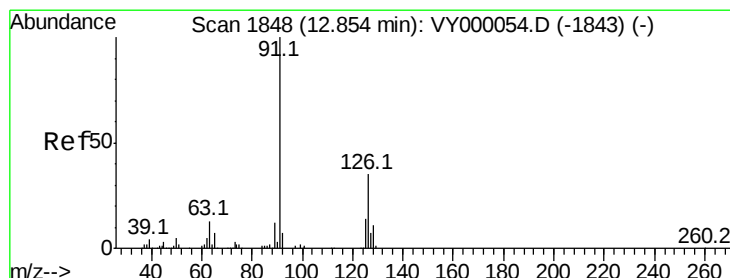
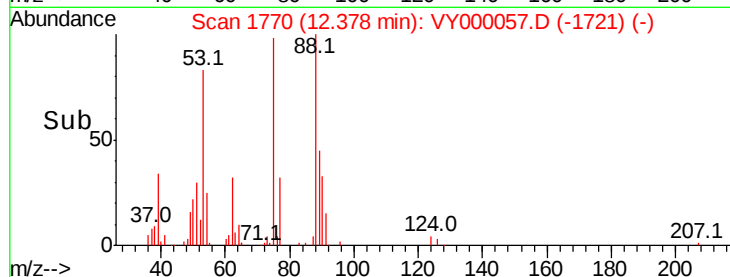
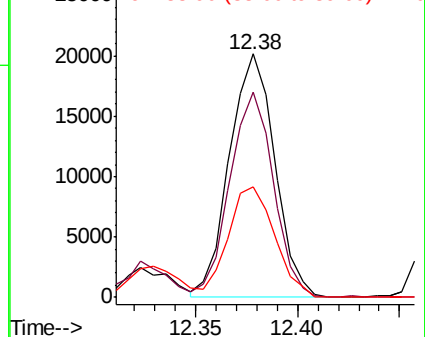
89 46.0 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 47.821 ug/l

RT: 12.85 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VY000057.D

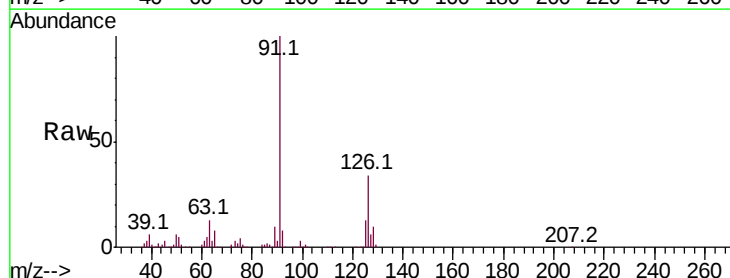
Acq: 17 Sep 2019 13:38

Tgt Ion: 91 Resp: 249894

Ion Ratio Lower Upper

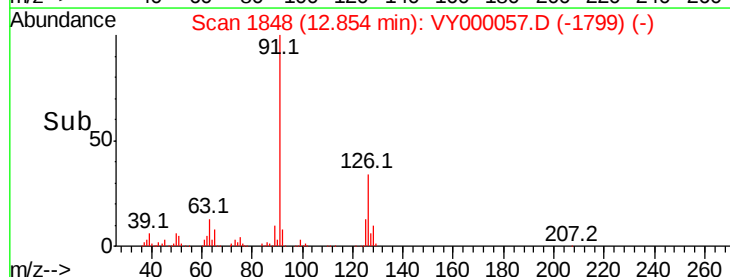
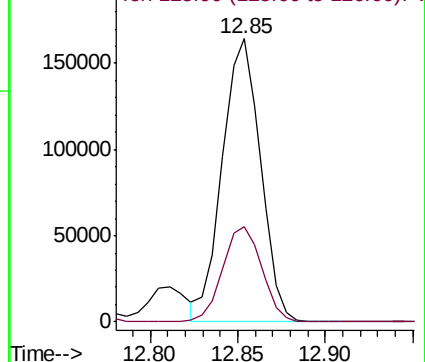
91 100

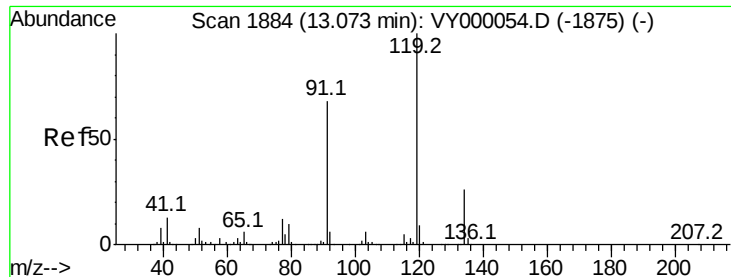
126 34.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

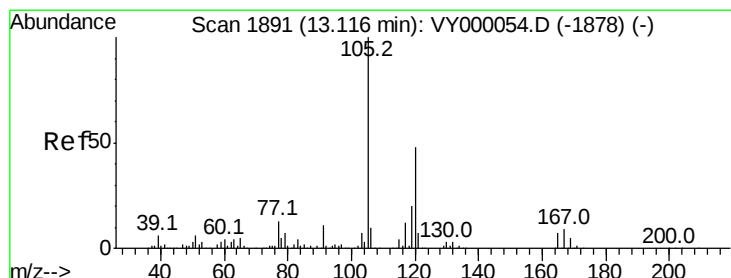
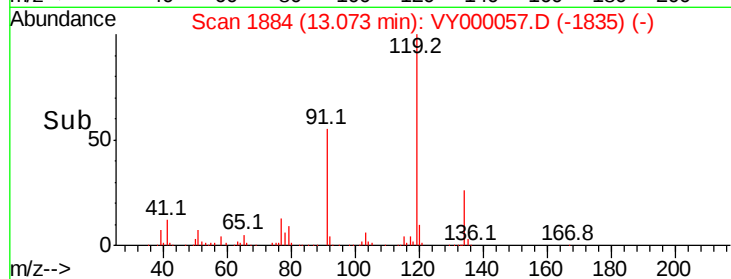
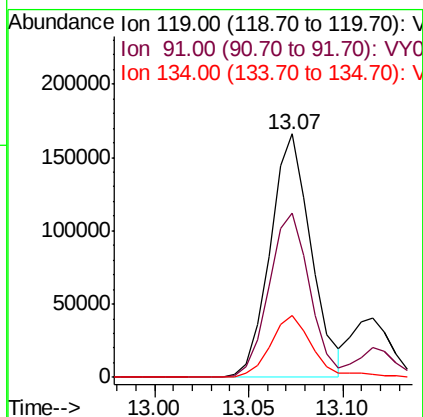
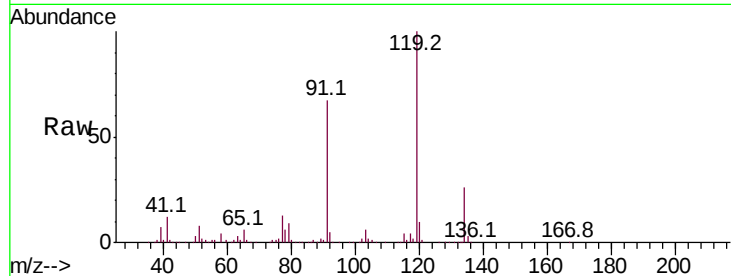




#83
tert-Butylbenzene
Concen: 47.550 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

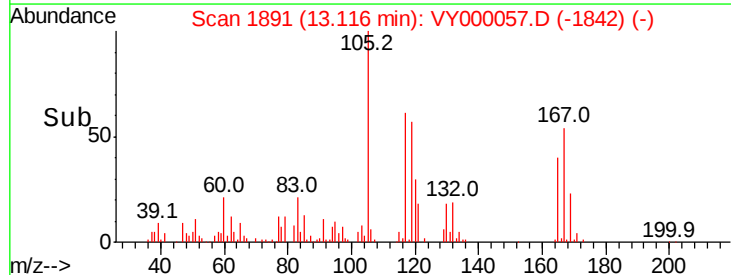
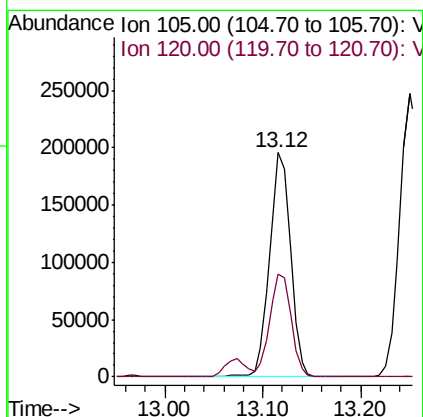
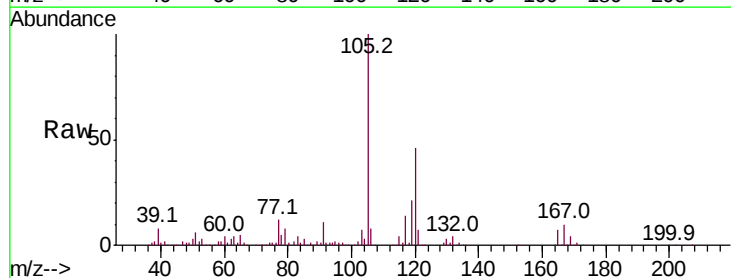
Instrument :
MSVOA_Y
ClientSampleId :

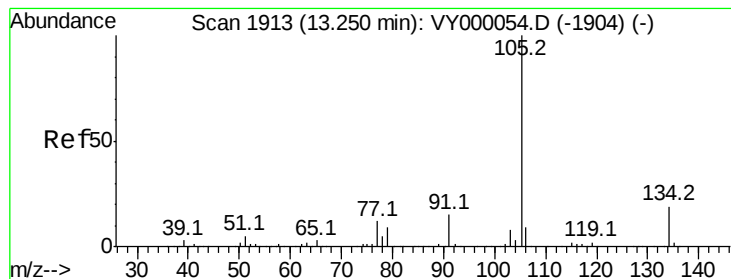
Tot Ion:119 Resp: 249729
Ion Ratio Lower Upper
119 100
91 66.9 33.4 100.1
134 26.5 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 48.500 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion:105 Resp: 293520
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 47.570 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

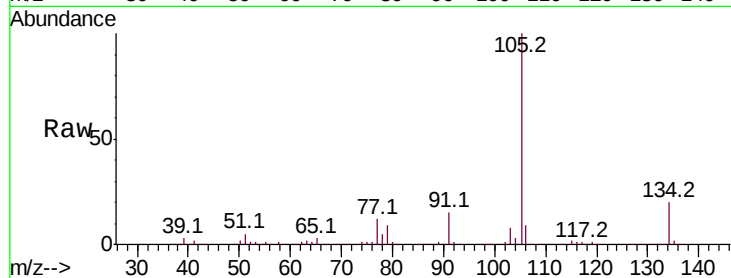
ClientSampleId :

Tot Ion:105 Resp: 369115

Ion Ratio Lower Upper

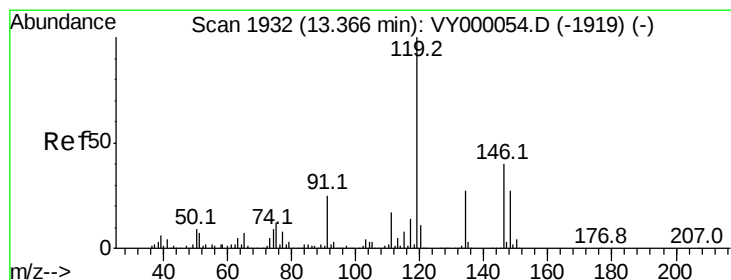
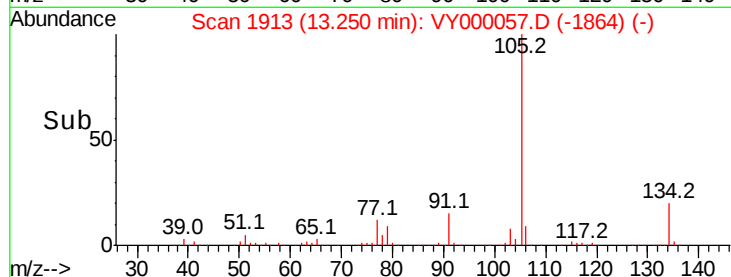
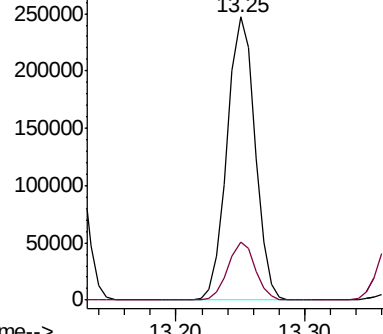
105 100

134 19.9 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: 48.180 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

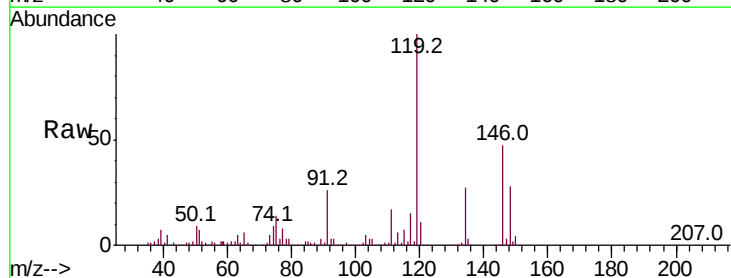
Tgt Ion:119 Resp: 316889

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

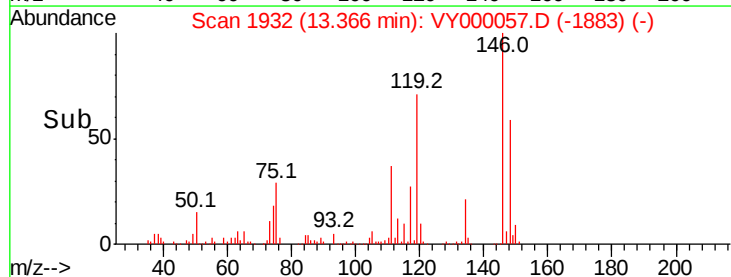
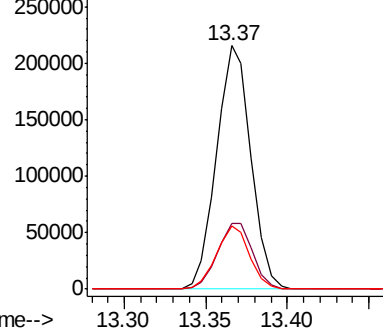
91 25.0 12.4 37.4

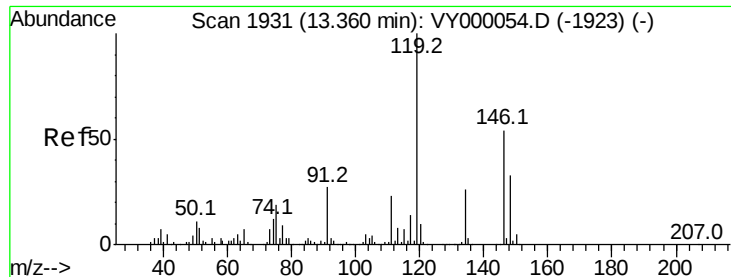


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 49.473 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.01 min

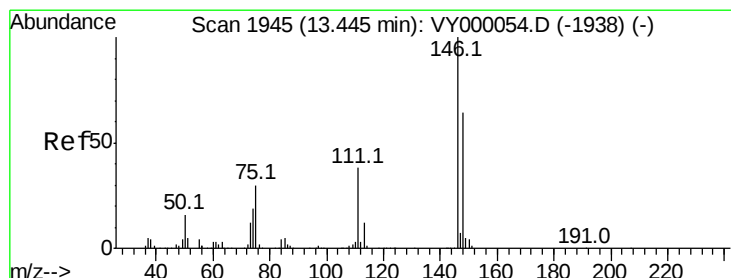
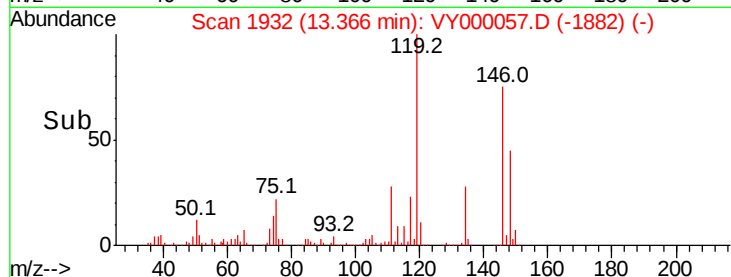
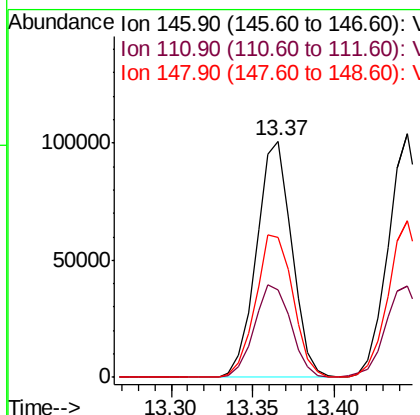
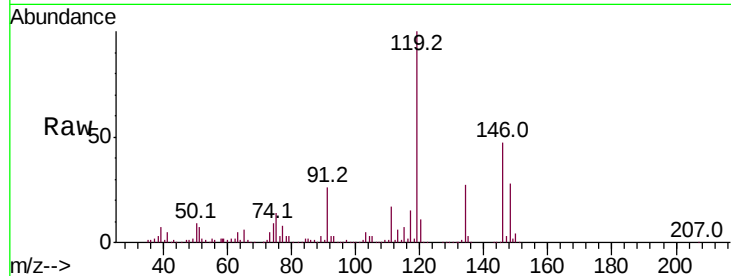
Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:146 Resp: 151859

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 49.730 ug/l

RT: 13.44 min Scan# 1945

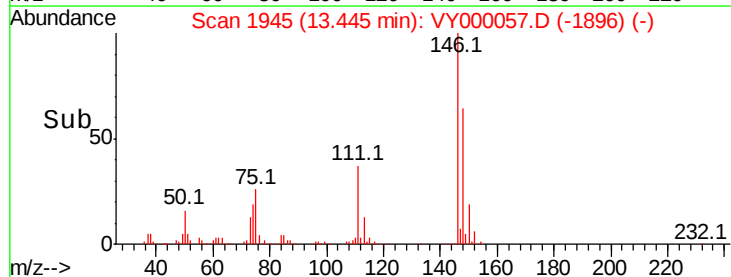
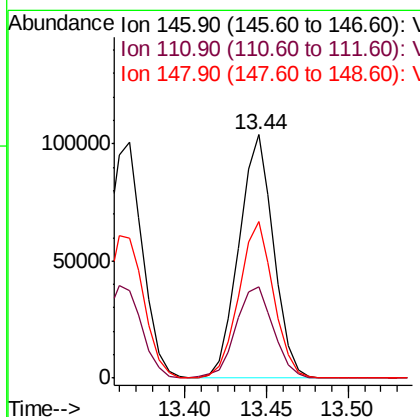
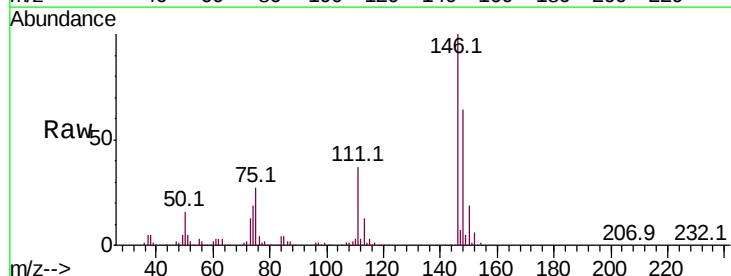
Delta R.T. -0.00 min

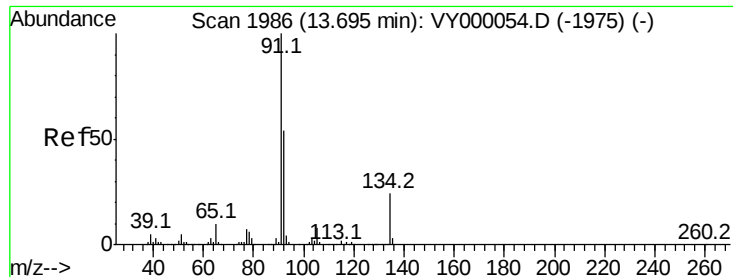
Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Tgt Ion:146 Resp: 153389

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.4
148	64.2	31.5	94.5

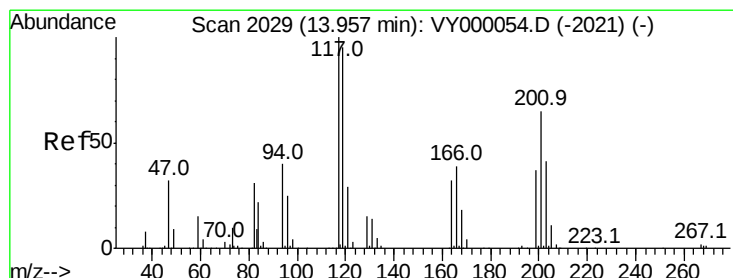
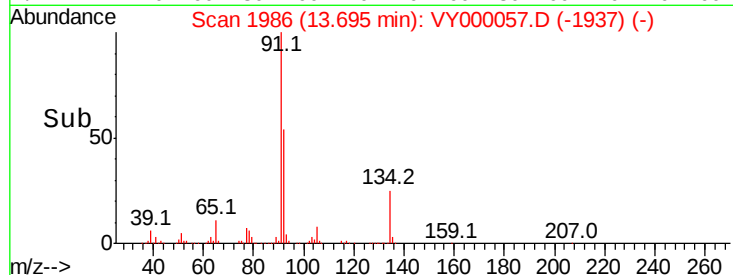
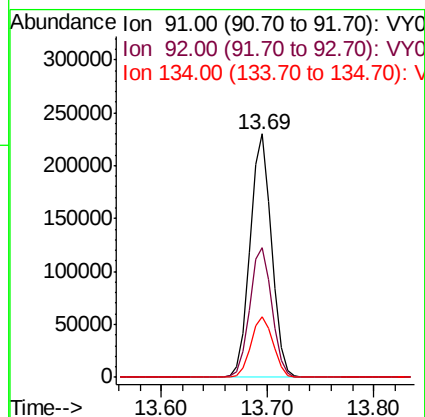
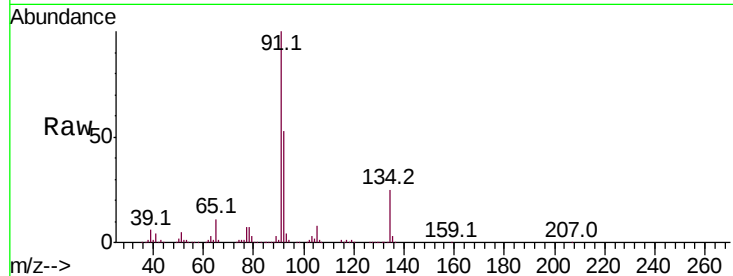




#89
n-Butylbenzene
Concen: 48.064 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

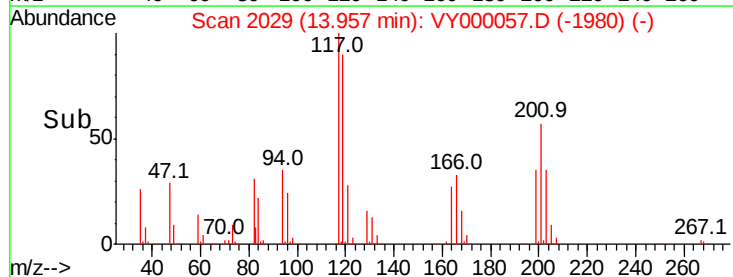
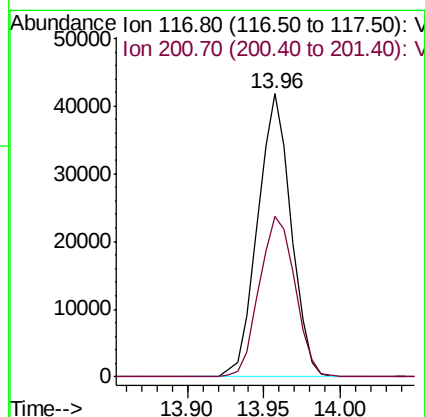
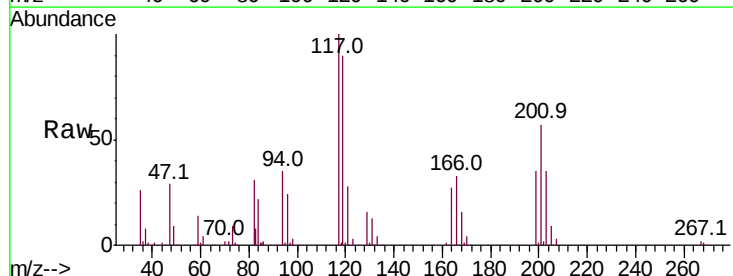
Instrument :
MSVOA_Y
ClientSampleId :

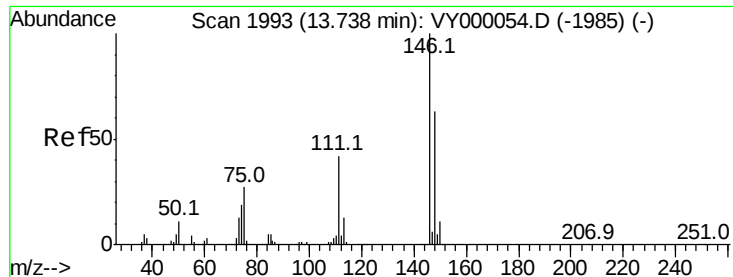
Tot Ion: 91 Resp: 325208
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.5
134 25.7 12.2 36.6



#90
Hexachloroethane
Concen: 49.247 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000057.D
Acq: 17 Sep 2019 13:38

Tgt Ion: 117 Resp: 63651
Ion Ratio Lower Upper
117 100
201 60.7 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 48.108 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

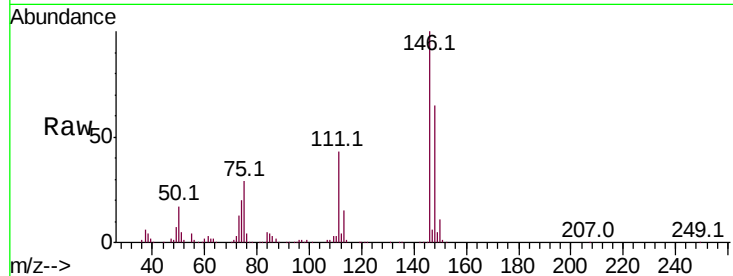
Tot Ion:146 Resp: 138740

Ion Ratio Lower Upper

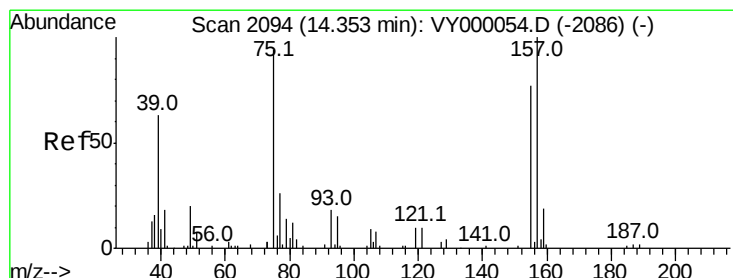
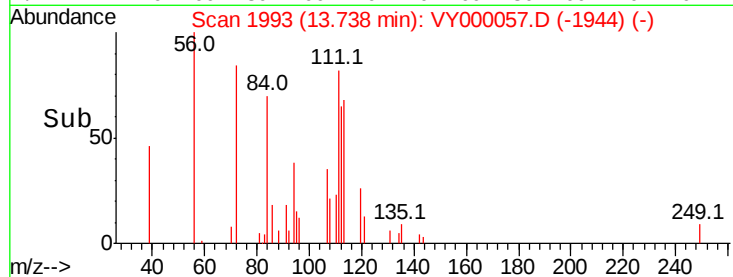
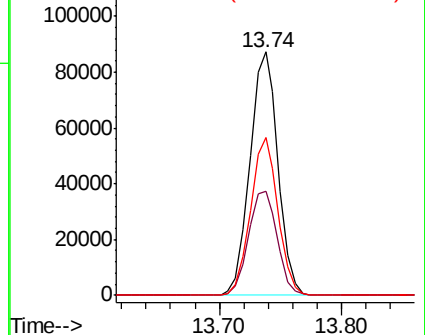
146 100

111 44.1 21.9 65.7

148 63.2 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: 48.334 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

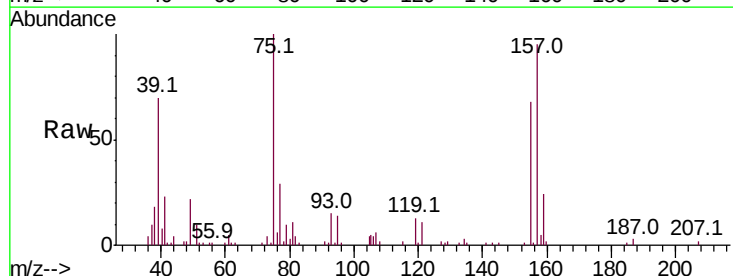
Tgt Ion: 75 Resp: 15012

Ion Ratio Lower Upper

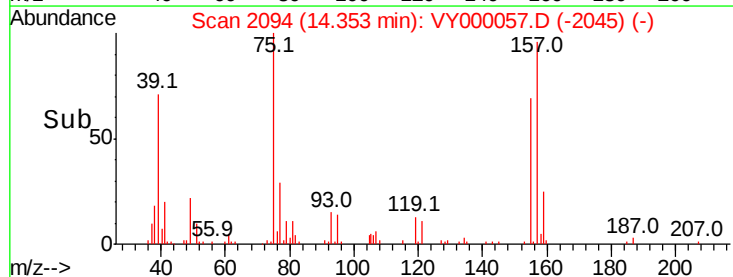
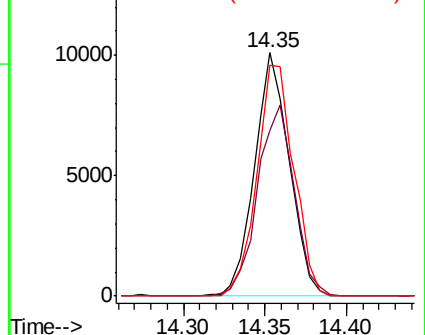
75 100

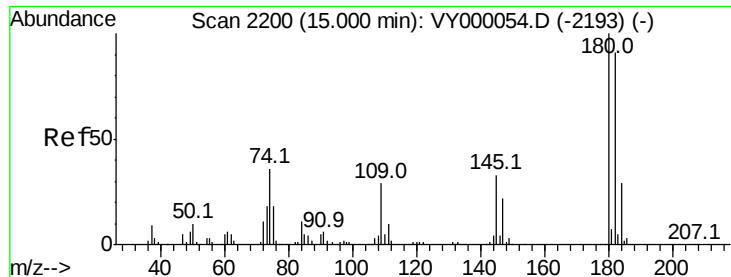
155 83.0 40.6 121.7

157 100.9 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

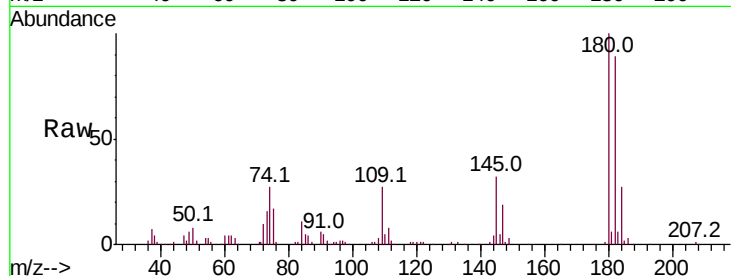




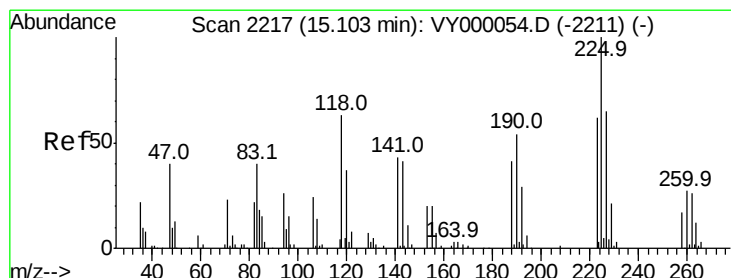
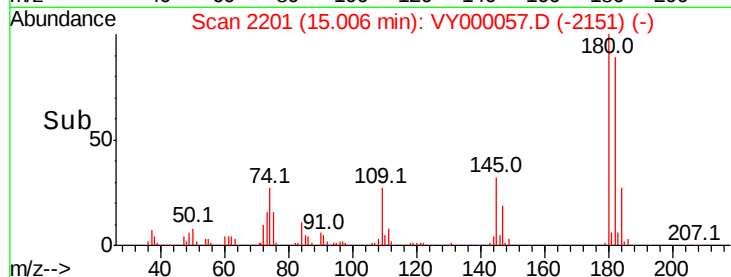
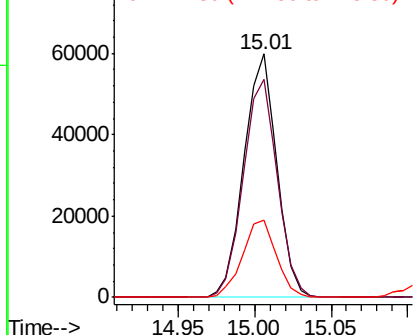
#93
 1,2,4-Trichlorobenzene
 Concen: 51.415 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 89473
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.5 145.6
 145 32.9 17.2 51.6

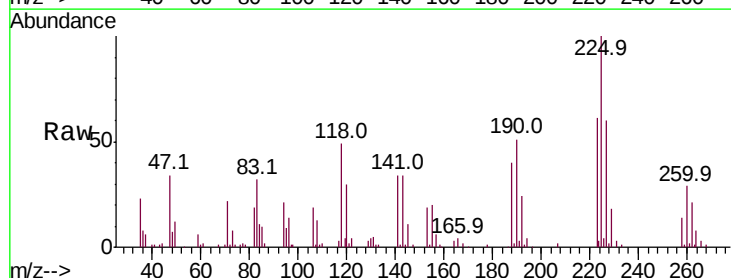


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

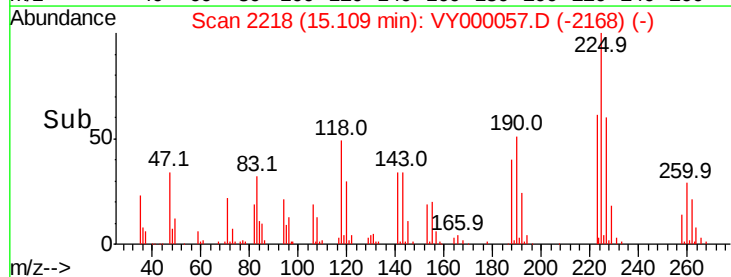
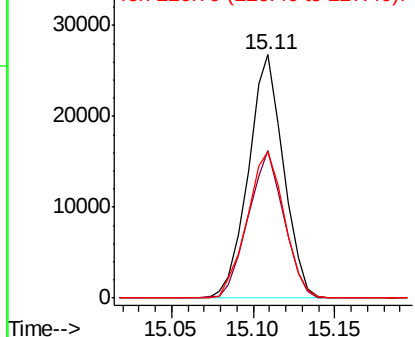


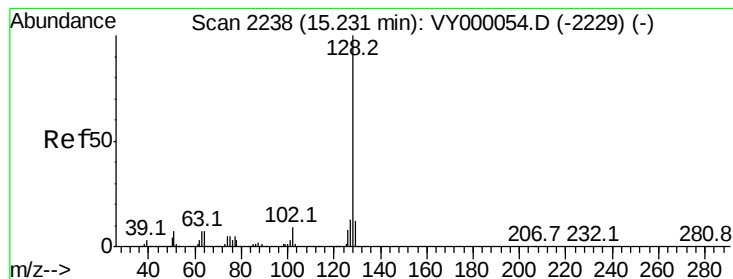
#94
 Hexachlorobutadiene
 Concen: 48.023 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000057.D
 Acq: 17 Sep 2019 13:38

Tgt Ion:225 Resp: 40124
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.5
 227 64.2 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: 49.487 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

Instrument :

MSVOA_Y

ClientSampleId :

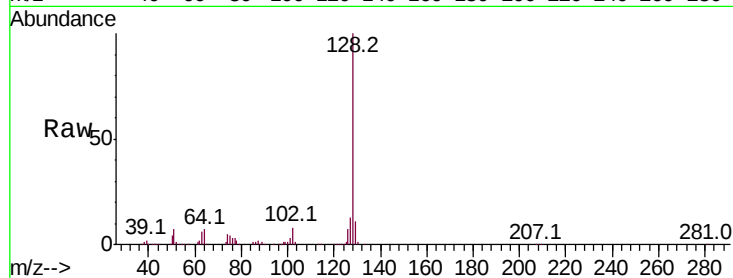
Tot Ion:128 Resp: 244468

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

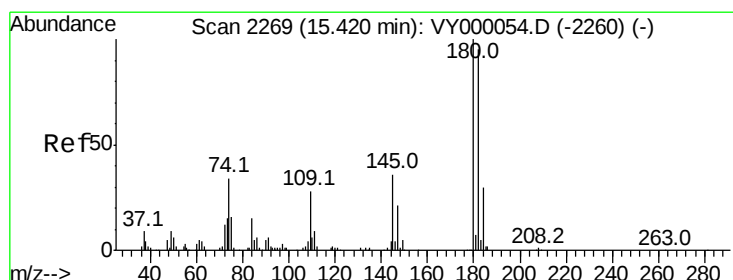
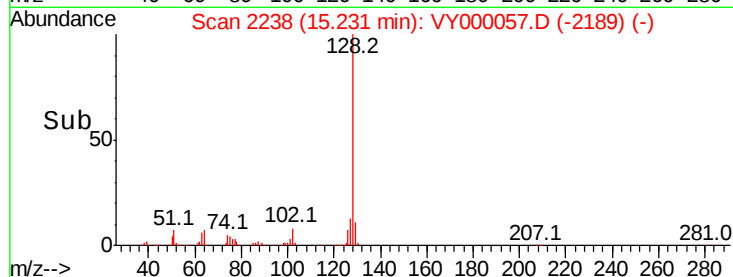
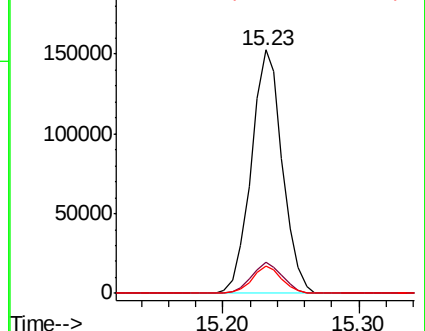
129 10.8 9.2 13.8



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: 49.814 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000057.D

Acq: 17 Sep 2019 13:38

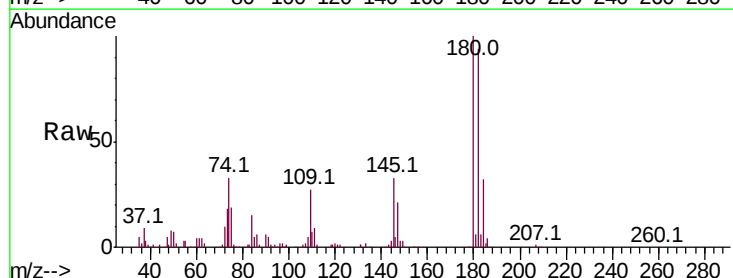
Tgt Ion:180 Resp: 82729

Ion Ratio Lower Upper

180 100

182 92.8 47.5 142.5

145 33.9 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

