

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000908.D
 Acq On : 09 Dec 2019 12:09
 Operator : SY/MD
 Sample : VY1209SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	319726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	492028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	165854	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.72	113	160873	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.18	98	677747	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.48	95	233600	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	66260	19.252	ug/l	99
3) Chloromethane	2.12	50	82591	19.467	ug/l	98
4) Vinyl Chloride	2.25	62	84026	20.096	ug/l	100
5) Bromomethane	2.65	94	51395	18.865	ug/l	96
6) Chloroethane	2.79	64	50811	19.820	ug/l	99
7) Trichlorofluoromethane	3.12	101	119738	20.896	ug/l	97
8) Diethyl Ether	3.53	74	45706	21.192	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	75459	21.324	ug/l	98
10) Methyl Iodide	4.10	142	91557	20.550	ug/l	97
11) Tert butyl alcohol	4.97	59	33433	97.814	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	74870	21.357	ug/l	90
13) Acrolein	3.74	56	34903	103.663	ug/l	95
14) Allyl chloride	4.48	41	123412	20.531	ug/l	97
15) Acrylonitrile	5.17	53	112539	101.053	ug/l	98
16) Acetone	3.96	43	80396	103.158	ug/l	97
17) Carbon Disulfide	4.19	76	235502	20.771	ug/l	99
18) Methyl Acetate	4.48	43	61329	18.820	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	197594	21.105	ug/l	99
20) Methylene Chloride	4.72	84	97488	23.731	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	82158	20.619	ug/l	98
22) Diisopropyl ether	6.13	45	257407	20.835	ug/l	99
23) Vinyl Acetate	6.07	43	773229	102.951	ug/l	99
24) 1,1-Dichloroethane	6.02	63	140992	20.706	ug/l	98
25) 2-Butanone	7.00	43	140746	97.763	ug/l	100
26) 2,2-Dichloropropane	6.99	77	119746	20.895	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	91851	21.326	ug/l	100
28) Bromochloromethane	7.34	49	32677	14.576	ug/l	98
29) Tetrahydrofuran	7.35	42	95421	100.022	ug/l	99
30) Chloroform	7.51	83	135690	19.864	ug/l	97
31) Cyclohexane	7.78	56	147847	20.496	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	117022	20.747	ug/l	99
36) 1,1-Dichloropropene	7.93	75	114138	20.615	ug/l	100
37) Ethyl Acetate	7.08	43	63205	19.770	ug/l	100
38) Carbon Tetrachloride	7.91	117	102811	20.851	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	153058	20.865	ug/l	91
40) Benzene	8.16	78	339937	21.078	ug/l	96
41) Methacrylonitrile	7.35	41	83568	49.596	ug/l #	34
42) 1,2-Dichloroethane	8.24	62	87070	20.529	ug/l	98
43) Isopropyl Acetate	8.28	43	118219	19.623	ug/l	100
44) Trichloroethene	8.94	130	89342	21.556	ug/l	94
45) 1,2-Dichloropropane	9.22	63	87066	21.493	ug/l	94
46) Dibromomethane	9.31	93	43638	20.617	ug/l	98
47) Bromodichloromethane	9.50	83	101469	20.407	ug/l	99
48) Methyl methacrylate	9.29	41	51608	19.480	ug/l	95
49) 1,4-Dioxane	9.30	88	11364	378.922	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	313830	100.820	ug/l	100
52) Toluene	10.24	92	210557	21.086	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	111678	20.906	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	131274	20.790	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	65416	20.919	ug/l	97
56) Ethyl methacrylate	10.51	69	96094	21.481	ug/l	97
57) 1,3-Dichloropropane	10.79	76	113803	20.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	183993	102.006	ug/l	99
59) 2-Hexanone	10.83	43	217120	95.723	ug/l	100
60) Dibromochloromethane	10.98	129	69582	20.670	ug/l	99
61) 1,2-Dibromoethane	11.08	107	62889	21.339	ug/l	95
64) Tetrachloroethene	10.72	164	94509	22.108	ug/l	98
65) Chlorobenzene	11.51	112	216463	21.165	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	76033	22.060	ug/l	97
67) Ethyl Benzene	11.59	91	402926	21.154	ug/l	99
68) m/p-Xylenes	11.70	106	306623	42.888	ug/l	97
69) o-Xylene	12.03	106	141038	21.158	ug/l	99
70) Styrene	12.04	104	244905	21.456	ug/l	99
71) Bromoform	12.20	173	40901	21.040	ug/l #	99
73) Isopropylbenzene	12.33	105	380537	20.706	ug/l	100
74) N-amyl acetate	12.14	43	102248	19.989	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	72900	20.132	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	103407	39.542	ug/l #	100
77) Bromobenzene	12.61	156	82273	20.653	ug/l	99
78) n-propylbenzene	12.67	91	466731	20.799	ug/l	98
79) 2-Chlorotoluene	12.75	91	256353	20.679	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	313506	20.603	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	27409	20.588	ug/l	99
82) 4-Chlorotoluene	12.85	91	268306	21.007	ug/l	100
83) tert-Butylbenzene	13.07	119	262982	20.556	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	320672	21.064	ug/l	100
85) sec-Butylbenzene	13.25	105	393704	21.160	ug/l	100
86) p-Isopropyltoluene	13.36	119	344203	21.270	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	164158	21.006	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	164501	21.259	ug/l	99
89) n-Butylbenzene	13.69	91	349433	21.357	ug/l	99
90) Hexachloroethane	13.95	117	62636	21.011	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	151624	21.570	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13638	22.496	ug/l	87

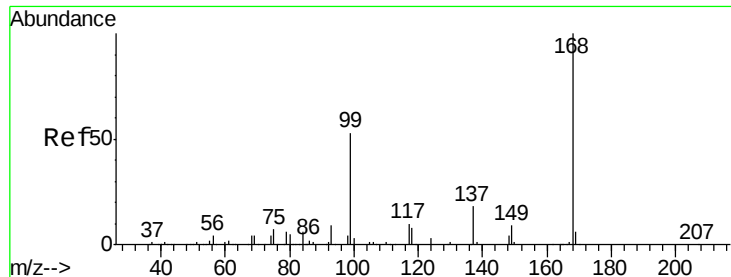
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104252	21.918	ug/l	99
94) Hexachlorobutadiene	15.11	225	52124	22.102	ug/l	99
95) Naphthalene	15.23	128	239339	21.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	94338	22.204	ug/l	96

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

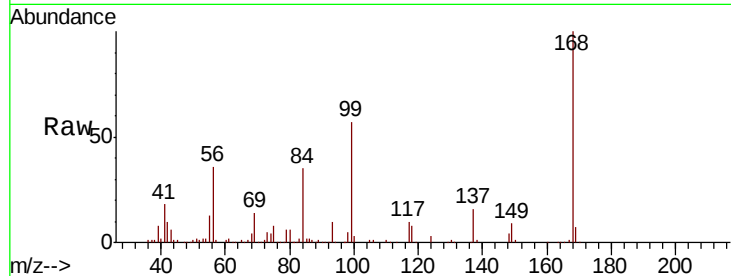


#1

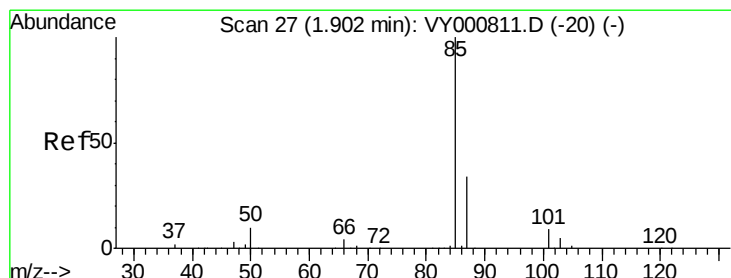
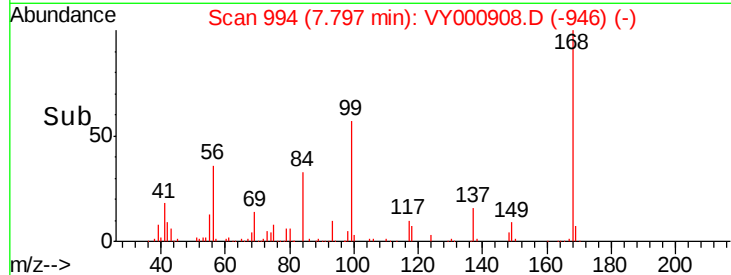
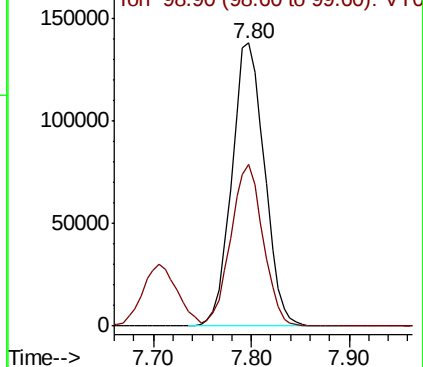
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:168 Resp: 319726
 Ion Ratio Lower Upper
 168 100
 99 57.1 45.0 67.6



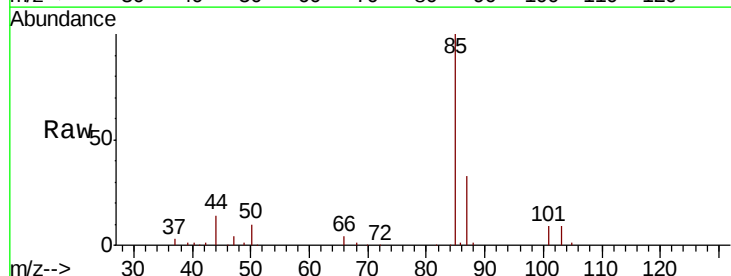
Abundance Ion 167.90 (167.60 to 168.60): VY000908.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000908.D (-946) (-)



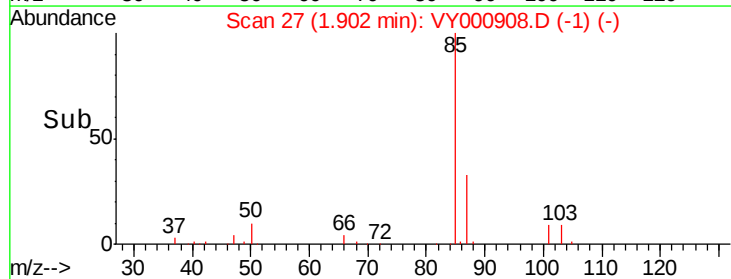
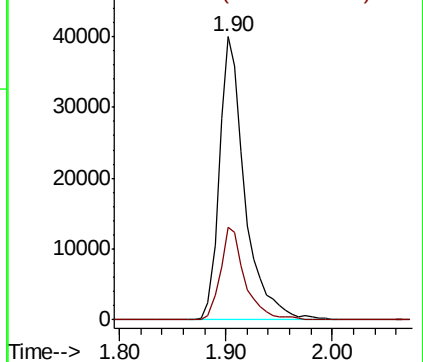
#2

Dichlorodifluoromethane
 Concen: 19.252 ug/l
 RT: 1.90 min Scan# 27
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion: 85 Resp: 66260
 Ion Ratio Lower Upper
 85 100
 87 32.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000908.D (-1) (-)
 Ion 86.90 (86.60 to 87.60): VY000908.D (-1) (-)





#3

Chloromethane

Concen: 19.467 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

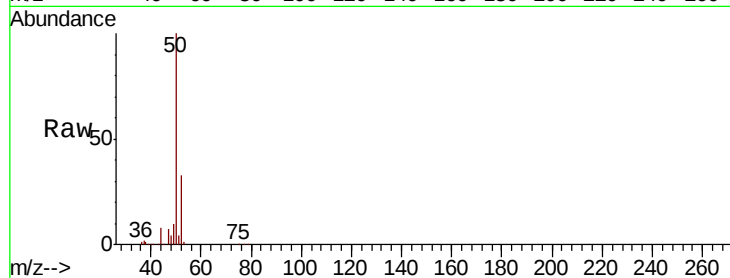
ClientSampleId :

Tot Ion: 50 Resp: 82591

Ion Ratio Lower Upper

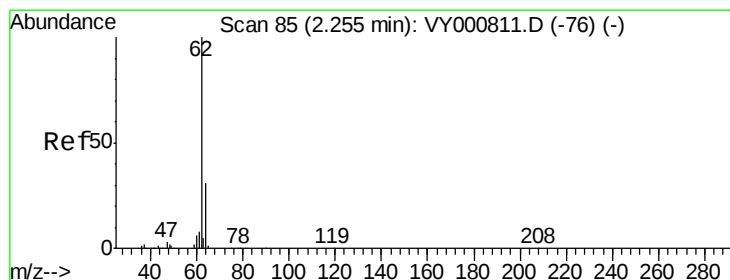
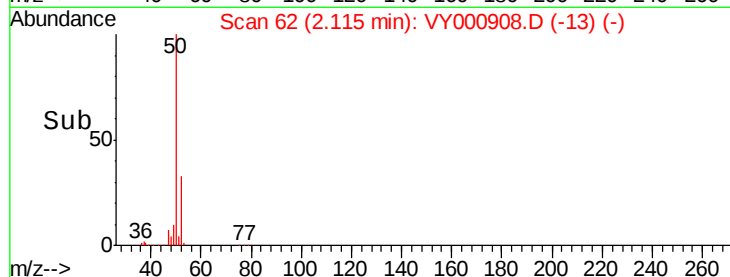
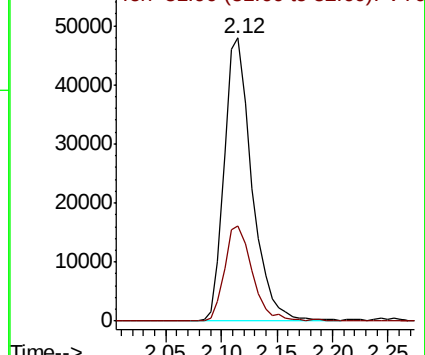
50 100

52 33.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.096 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000908.D

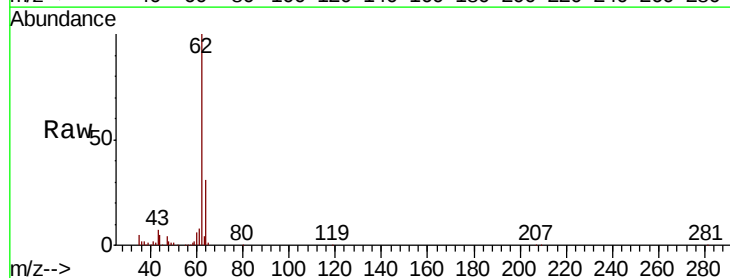
Acq: 09 Dec 2019 12:09

Tgt Ion: 62 Resp: 84026

Ion Ratio Lower Upper

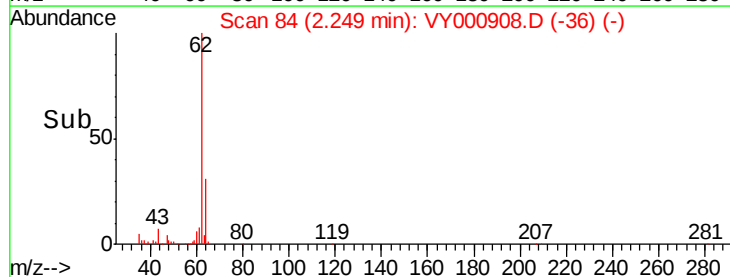
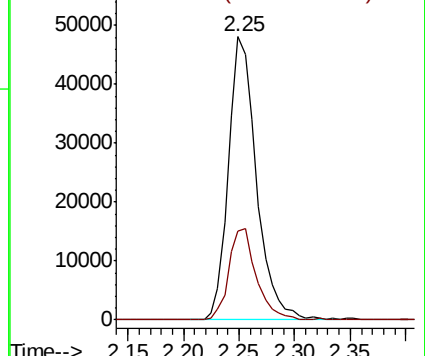
62 100

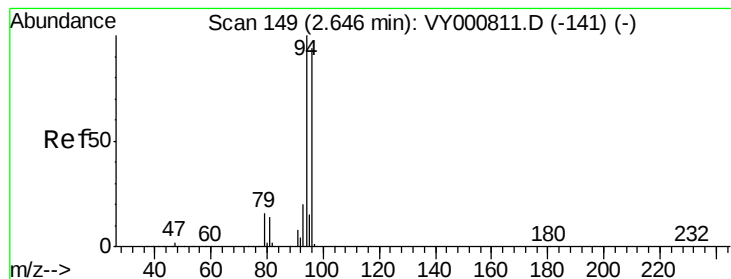
64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.865 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

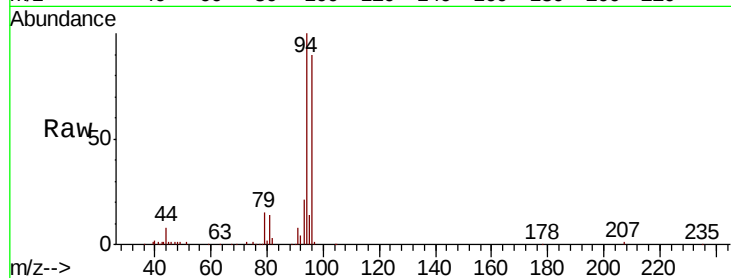
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 94 Resp: 51395

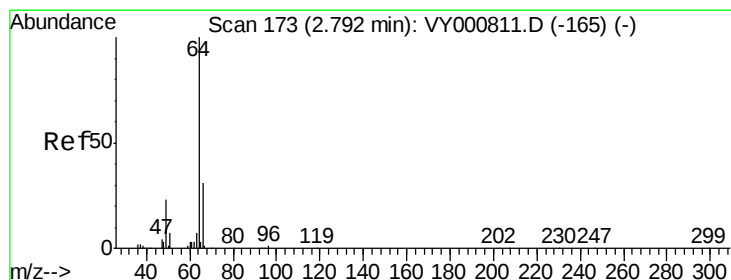
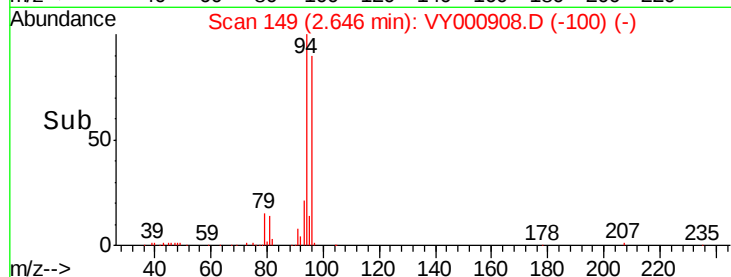
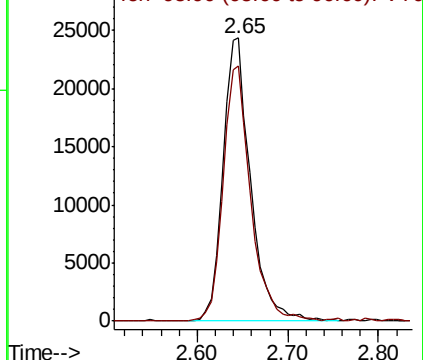
Ion Ratio Lower Upper

94 100

96 90.3 75.2 112.8



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



#6

Chloroethane

Concen: 19.820 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000908.D

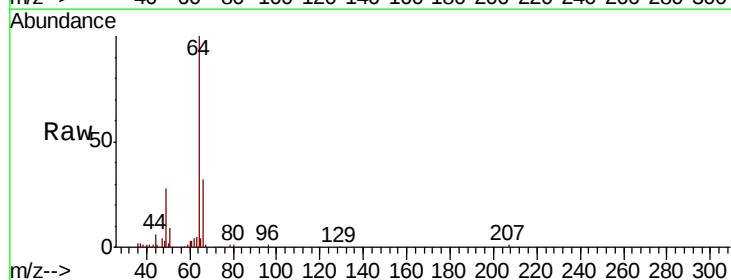
Acq: 09 Dec 2019 12:09

Tgt Ion: 64 Resp: 50811

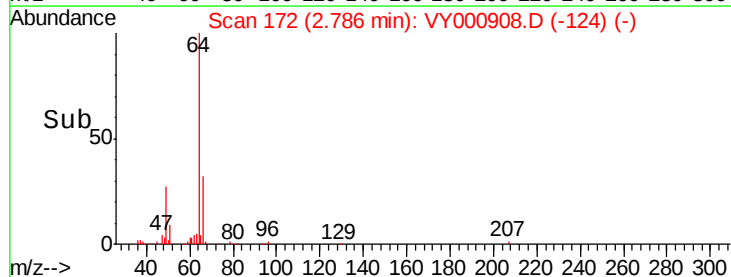
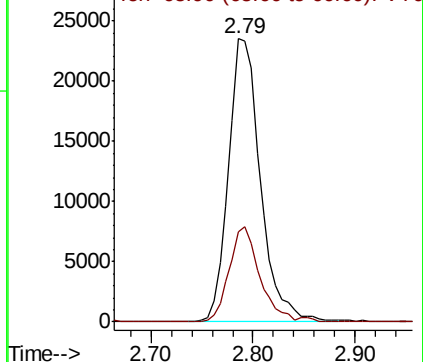
Ion Ratio Lower Upper

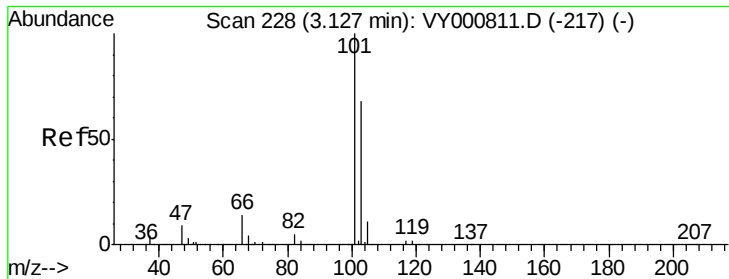
64 100

66 31.9 25.0 37.4



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



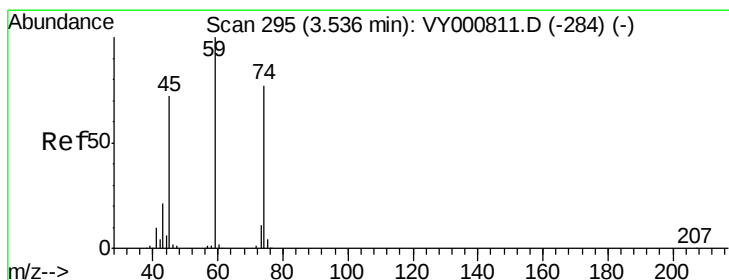
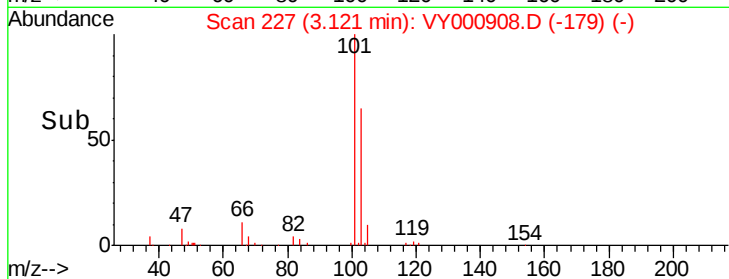
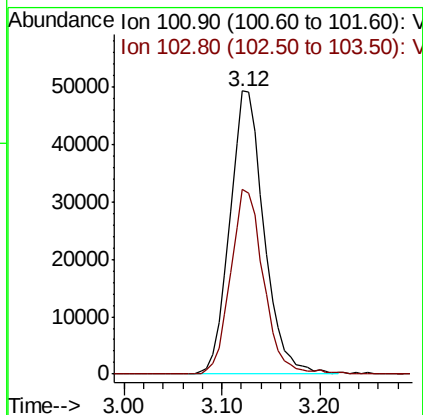
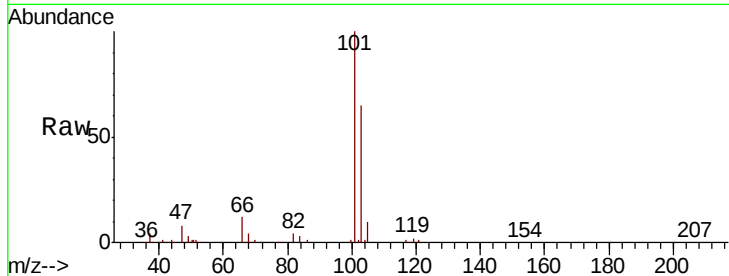


#7

Trichlorofluoromethane
 Concen: 20.896 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampled :

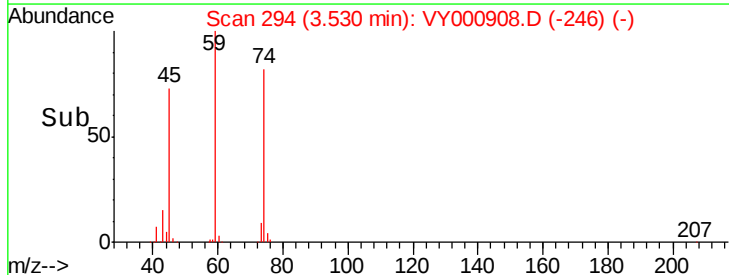
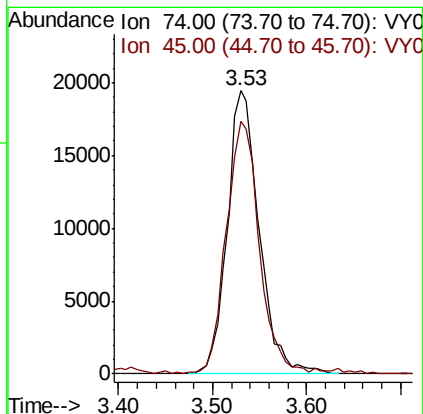
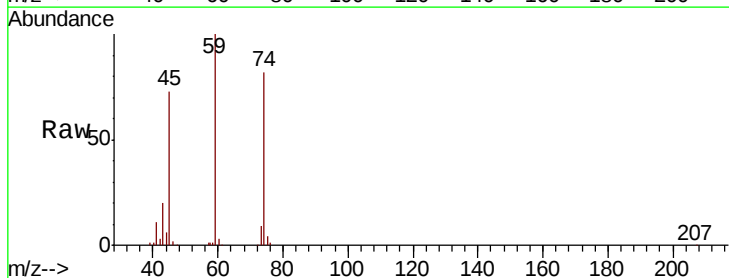
Tot Ion:101 Resp: 119738
 Ion Ratio Lower Upper
 101 100
 103 65.4 54.2 81.2

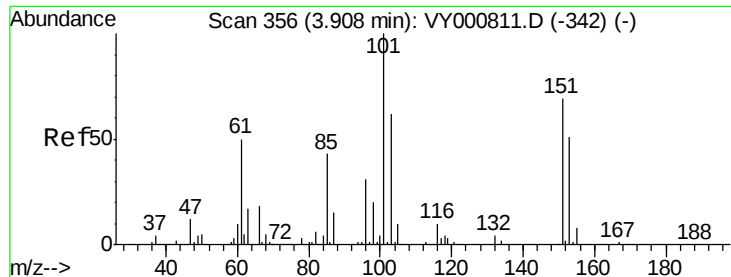


#8

Diethyl Ether
 Concen: 21.192 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion: 74 Resp: 45706
 Ion Ratio Lower Upper
 74 100
 45 92.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.324 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

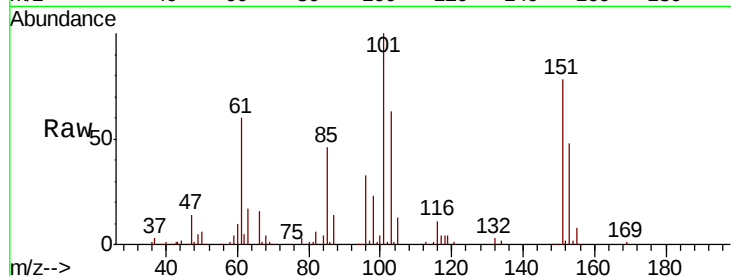
Tot Ion:101 Resp: 75459

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

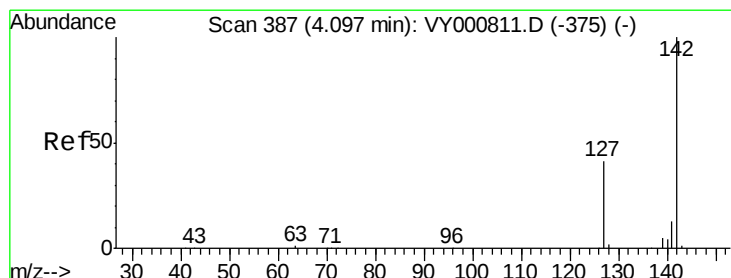
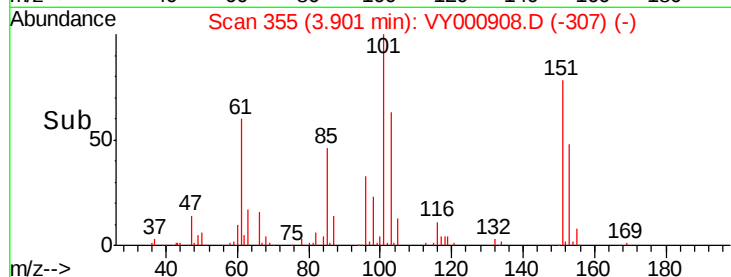
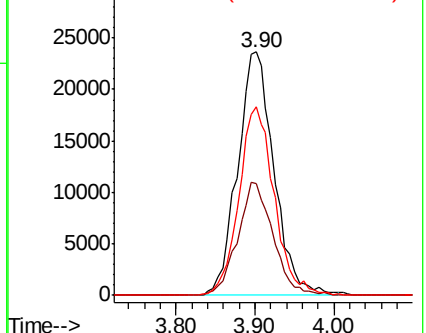
151 75.5 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.550 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

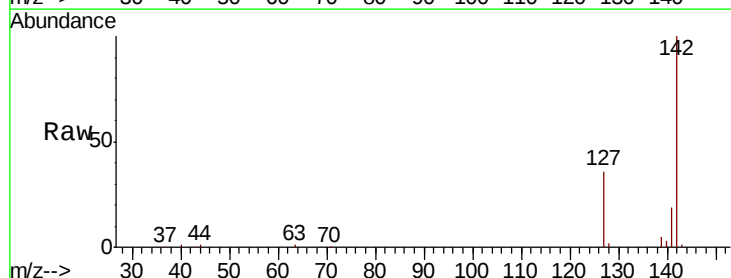
Tgt Ion:142 Resp: 91557

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.8

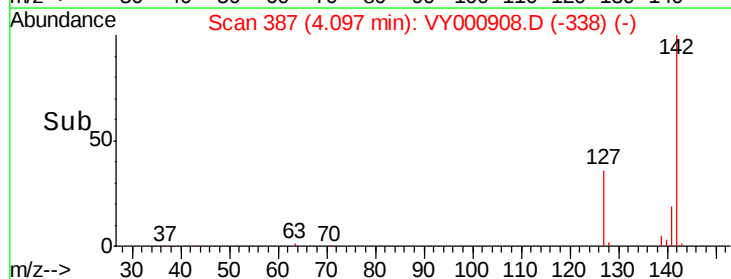
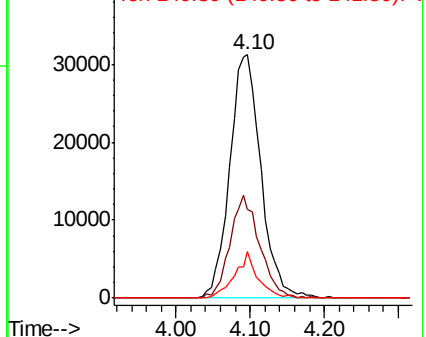
141 14.1 10.9 16.3

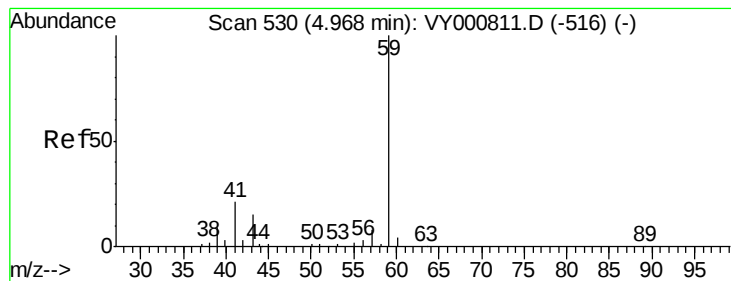


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



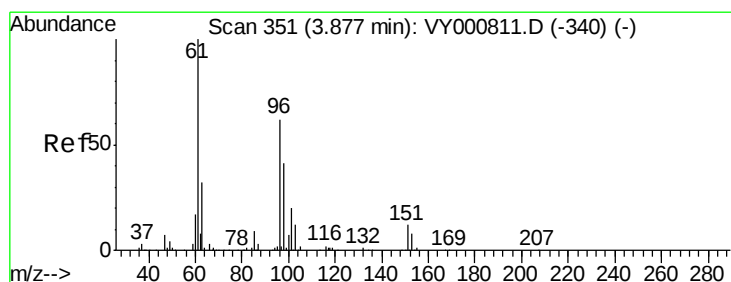
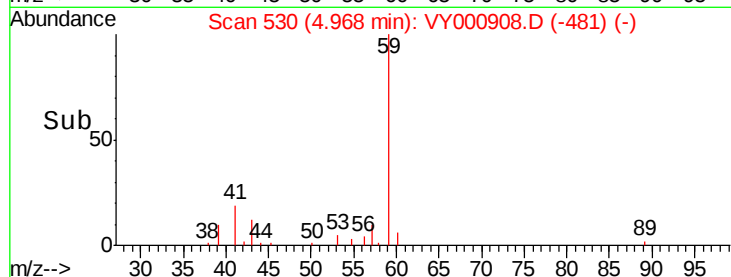
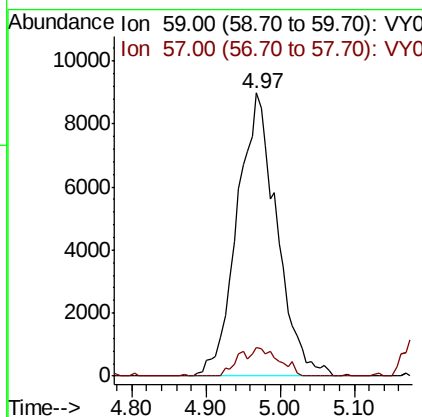
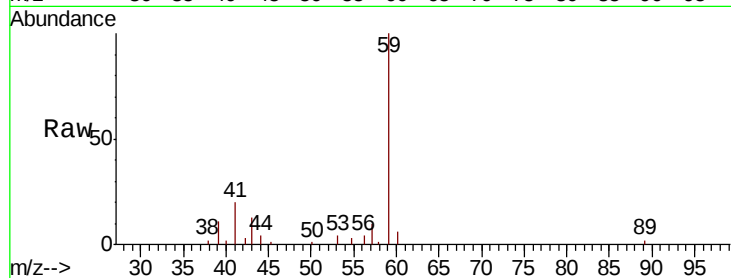


#11

Tert butyl alcohol
 Concen: 97.814 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :

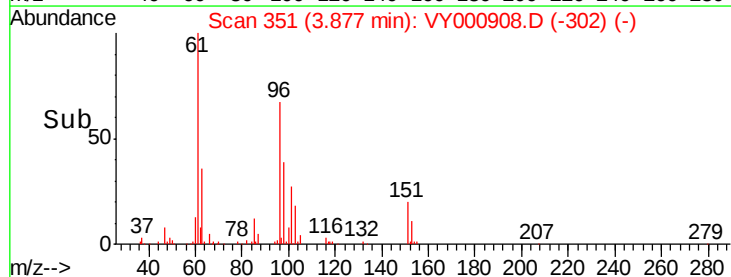
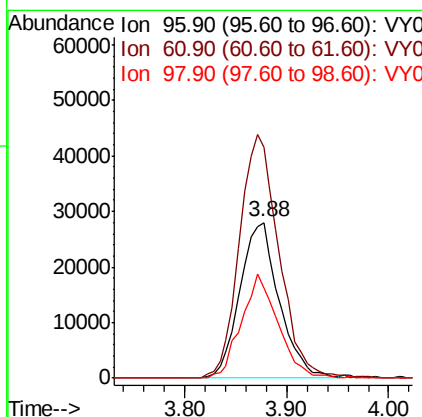
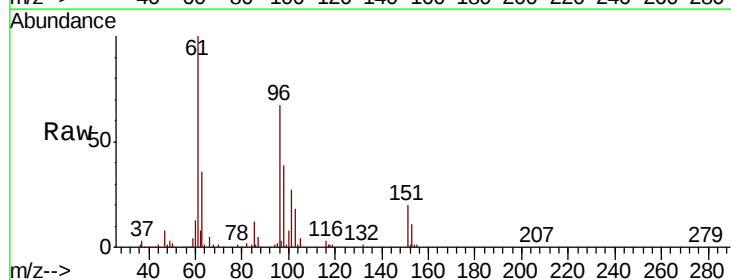
Tot Ion: 59 Resp: 33433
 Ion Ratio Lower Upper
 59 100
 57 6.9 7.8 11.6#

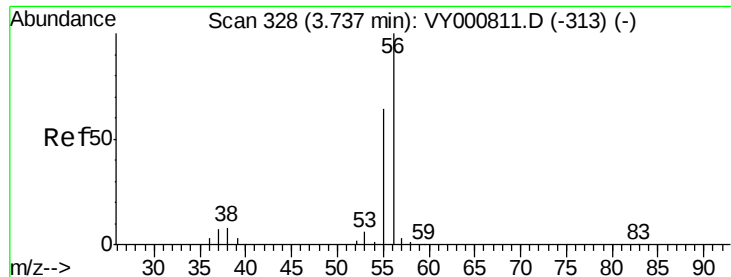


#12

1,1-Dichloroethene
 Concen: 21.357 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion: 96 Resp: 74870
 Ion Ratio Lower Upper
 96 100
 61 148.8 129.4 194.2
 98 58.0 53.4 80.0





#13

Acrolein

Concen: 103.663 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

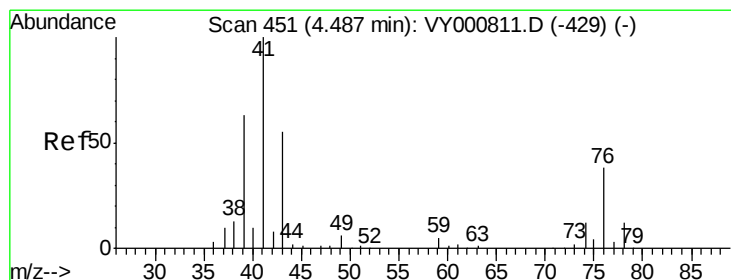
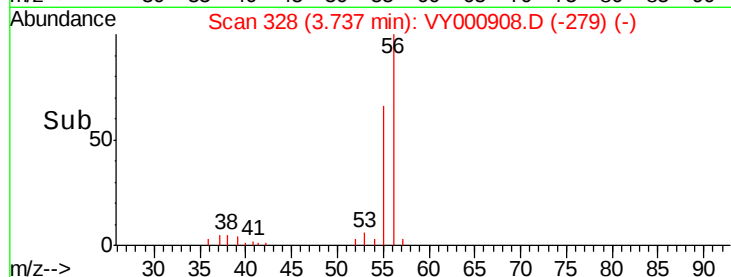
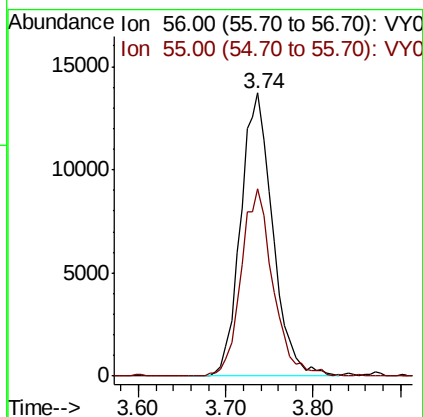
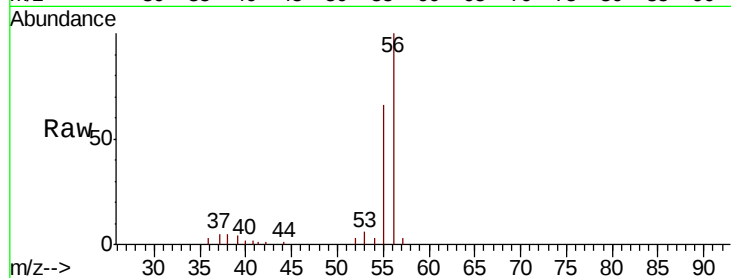
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 34903

Ion Ratio Lower Upper

56 100

55 65.8 55.7 83.5



#14

Allyl chloride

Concen: 20.531 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

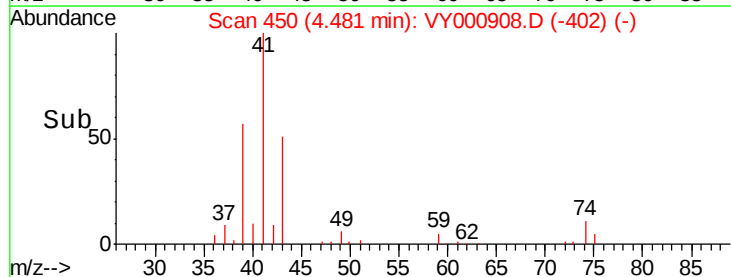
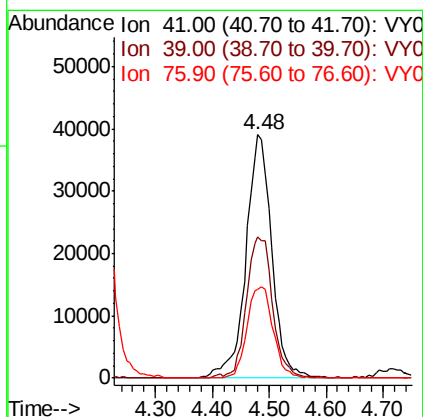
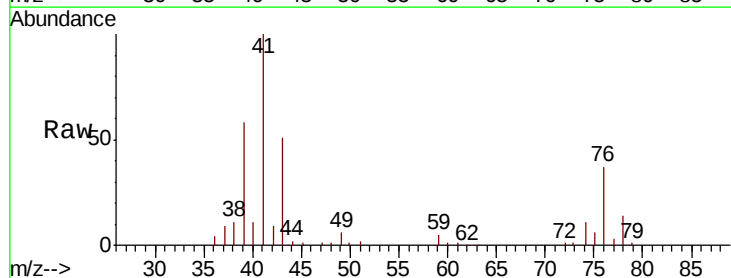
Tgt Ion: 41 Resp: 123412

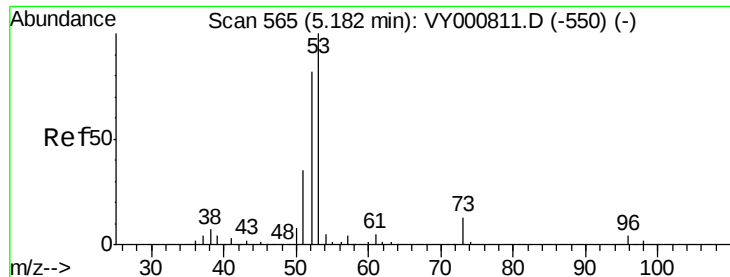
Ion Ratio Lower Upper

41 100

39 58.8 49.2 73.8

76 37.8 29.2 43.8





#15

Acrylonitrile

Concen: 101.053 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

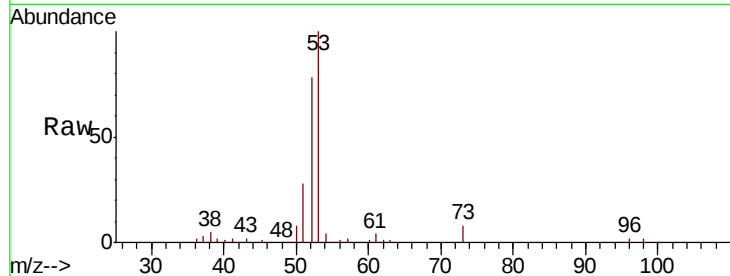
Tot Ion: 53 Resp: 112539

Ion Ratio Lower Upper

53 100

52 80.7 65.1 97.7

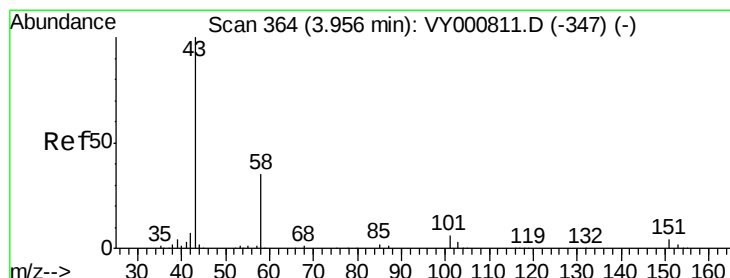
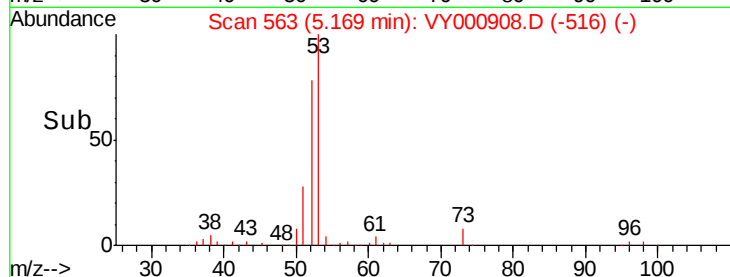
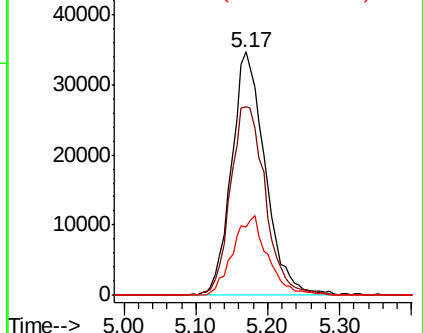
51 33.9 29.0 43.4



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: 103.158 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000908.D

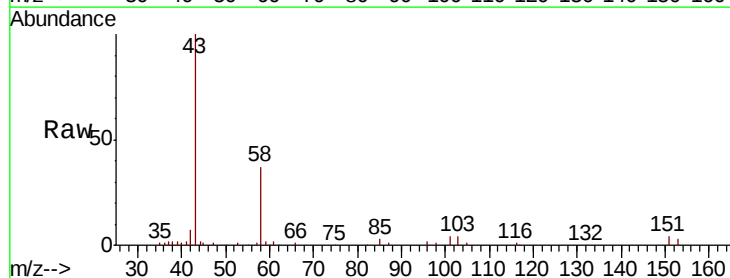
Acq: 09 Dec 2019 12:09

Tgt Ion: 43 Resp: 80396

Ion Ratio Lower Upper

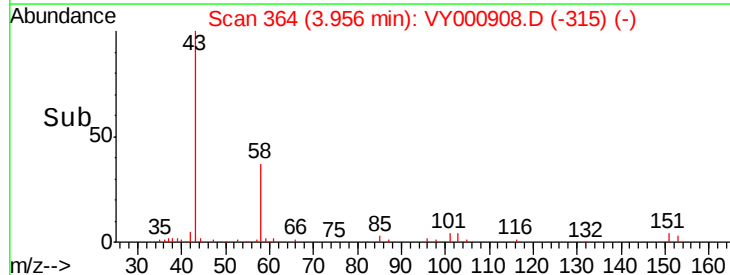
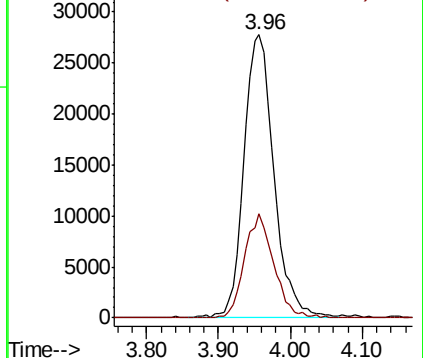
43 100

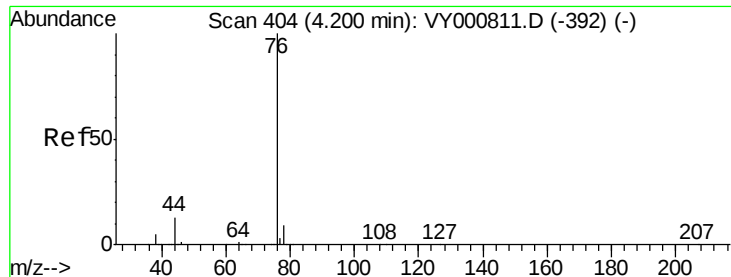
58 36.9 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

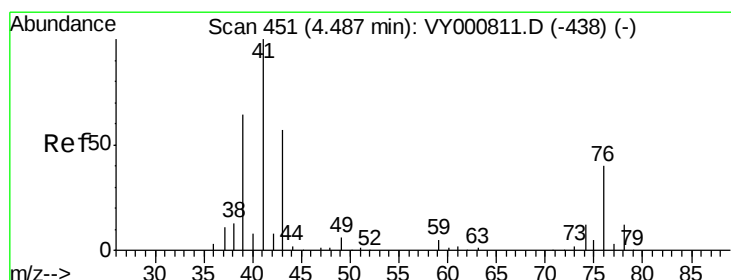
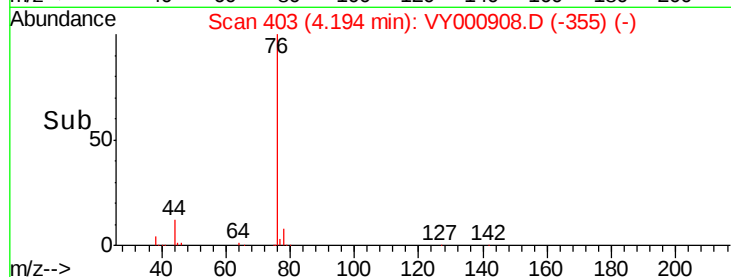
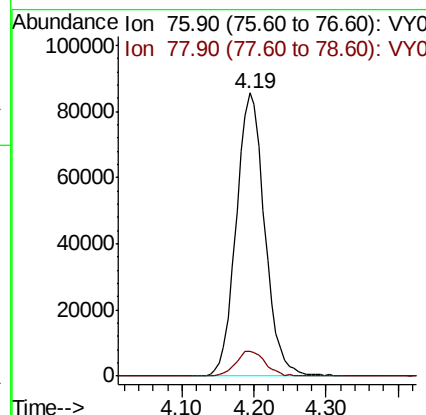
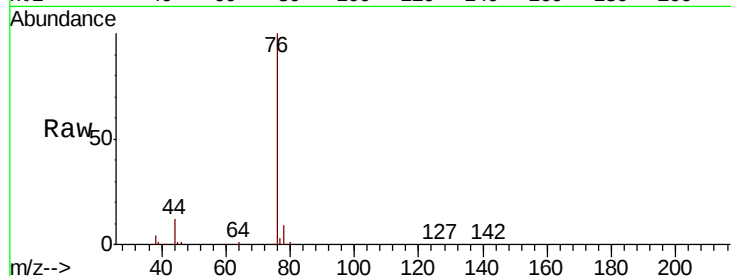




#17
Carbon Disulfide
Concen: 20.771 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

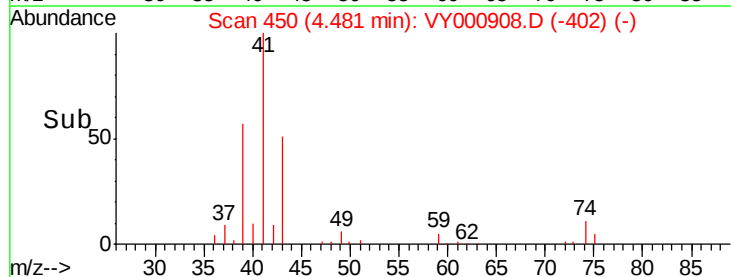
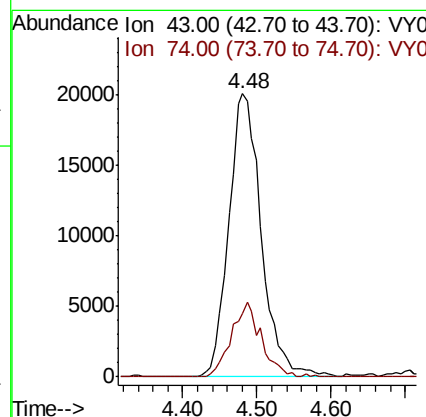
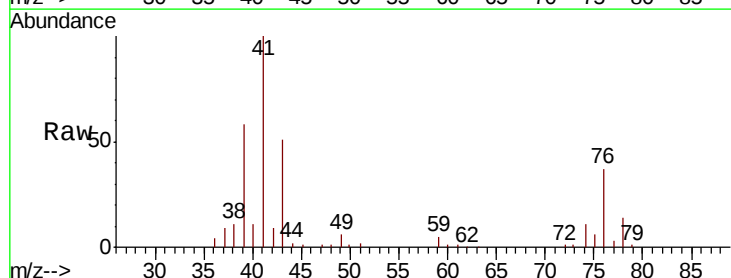
Instrument :
MSVOA_Y
ClientSampleId :

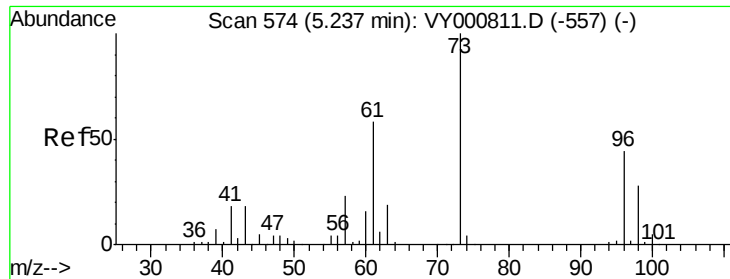
Tot Ion: 76 Resp: 235502
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 18.820 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 43 Resp: 61329
Ion Ratio Lower Upper
43 100
74 23.9 18.5 27.7

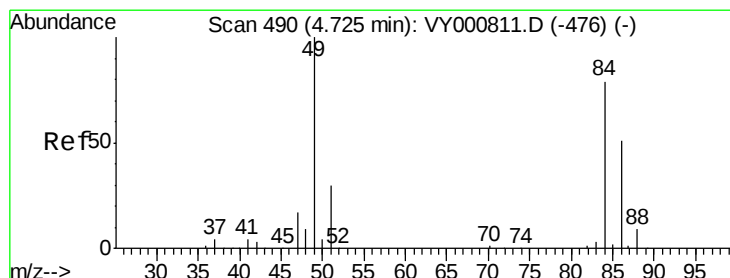
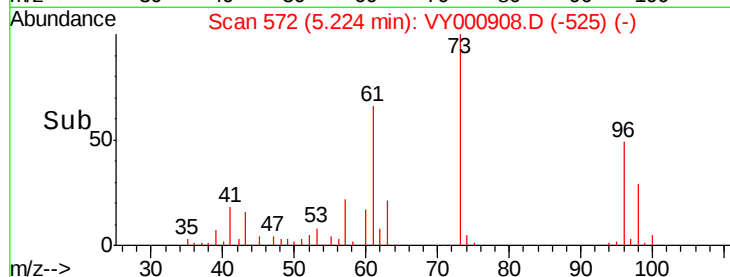
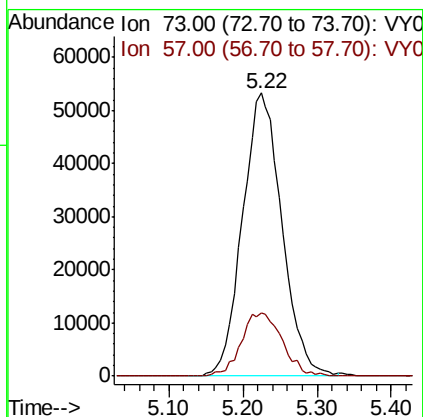
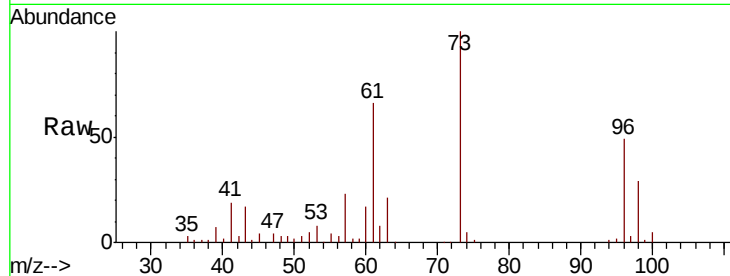




#19
Methvl tert-butvl Ether
Concen: 21.105 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

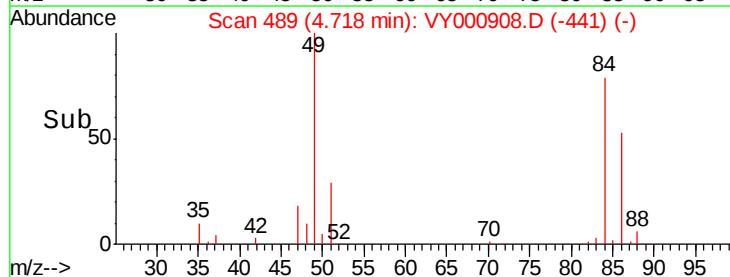
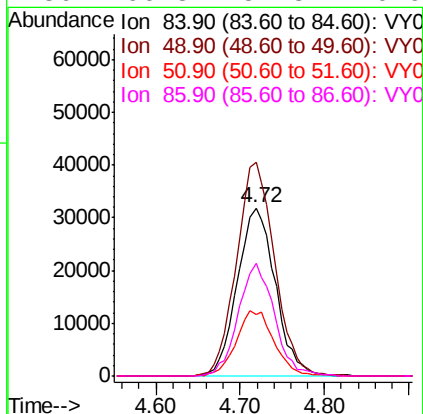
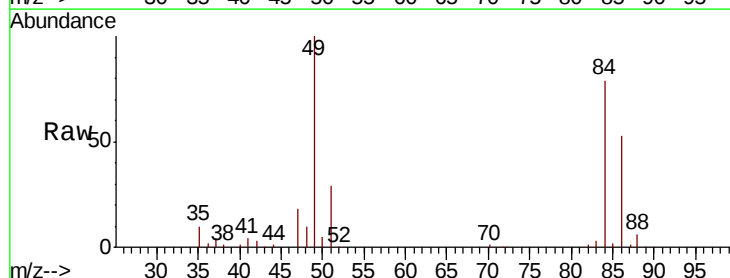
Instrument :
MSVOA_Y
ClientSampleId :

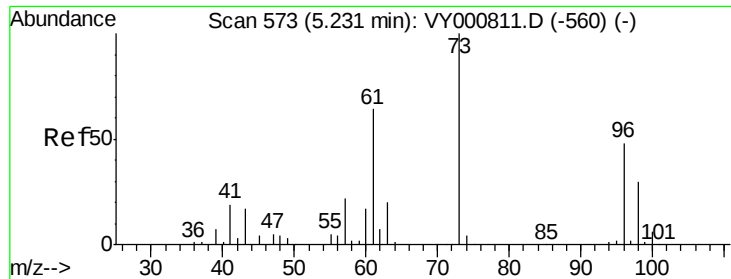
Tot Ion: 73 Resp: 197594
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 23.731 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 84 Resp: 97488
Ion Ratio Lower Upper
84 100
49 126.9 101.3 151.9
51 36.6 30.6 45.8
86 66.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.619 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :
MSVOA_Y
ClientSampled :

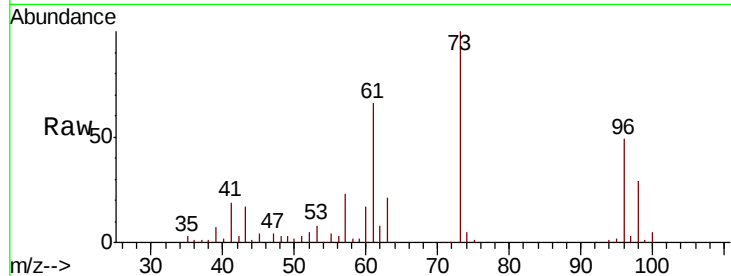
Tot Ion: 96 Resp: 82158

Ion Ratio Lower Upper

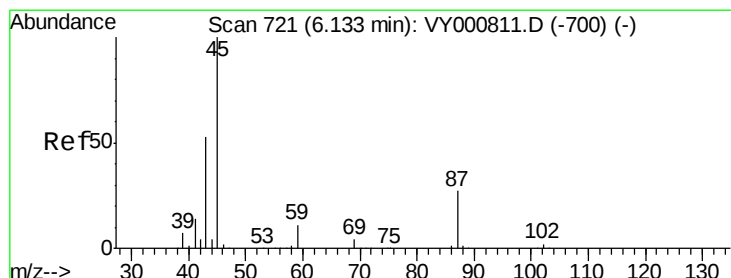
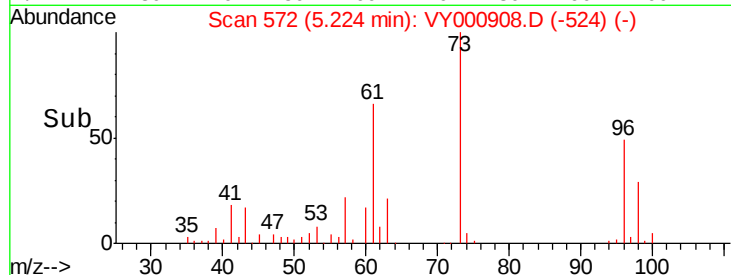
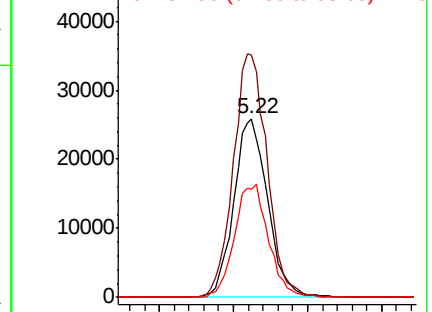
96 100

61 135.7 105.9 158.9

98 60.7 49.4 74.2



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



#22

Diisopropyl ether

Concen: 20.835 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Tgt Ion: 45 Resp: 257407

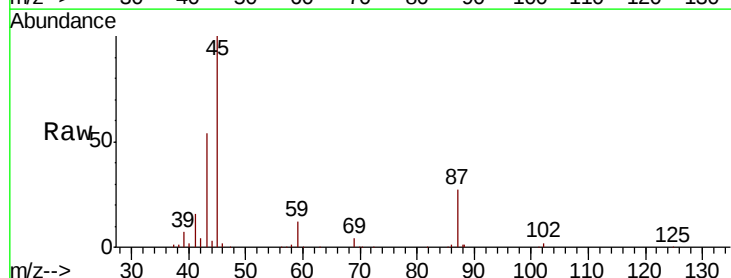
Ion Ratio Lower Upper

45 100

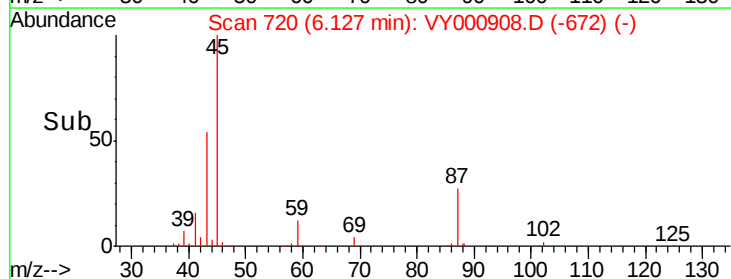
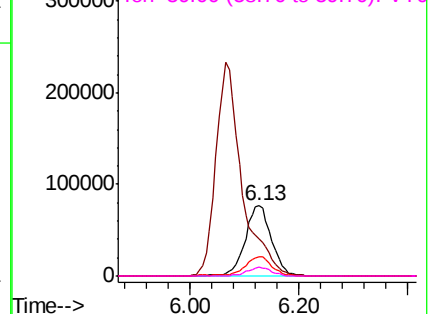
43 53.3 42.7 64.1

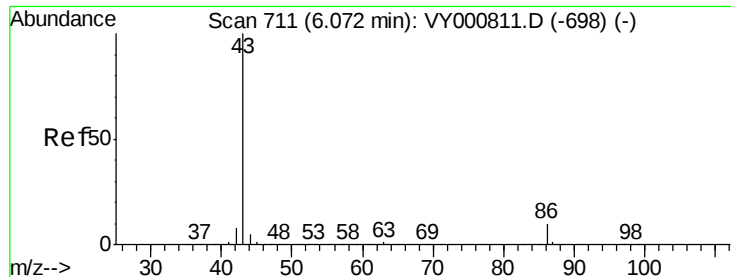
87 26.8 22.0 33.0

59 12.5 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 102.951 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

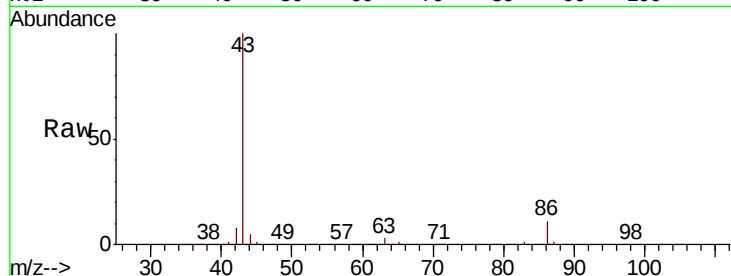
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 773229

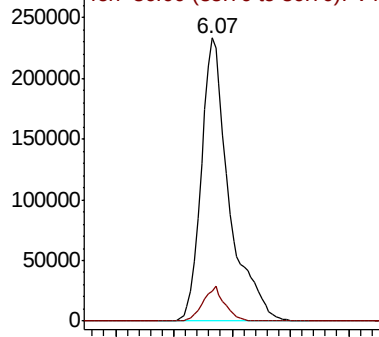
Ion Ratio Lower Upper

43 100

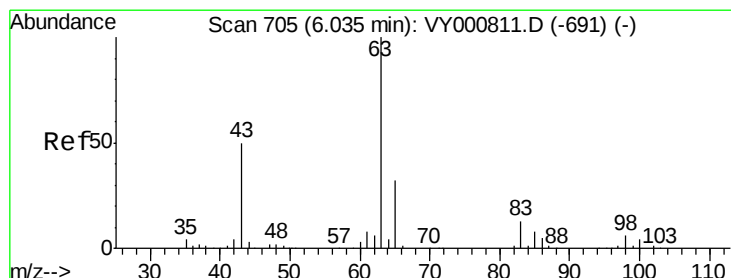
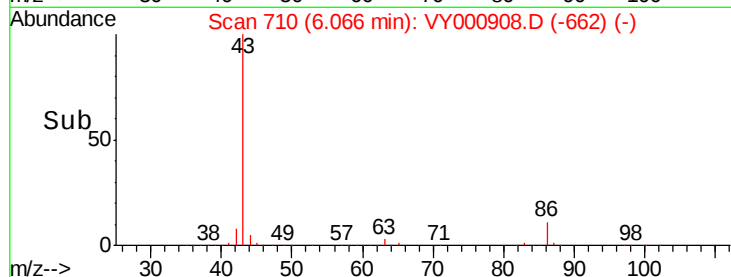
86 10.6 8.3 12.5



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



Time-->



#24

1,1-Dichloroethane

Concen: 20.706 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

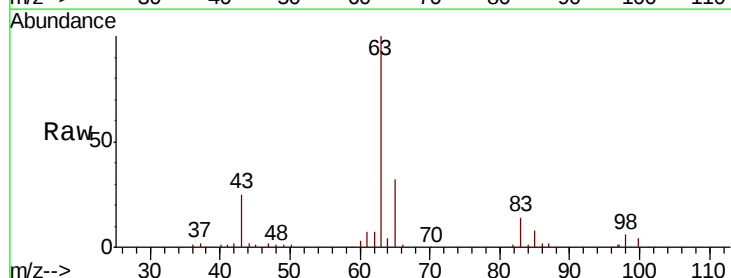
Tgt Ion: 63 Resp: 140992

Ion Ratio Lower Upper

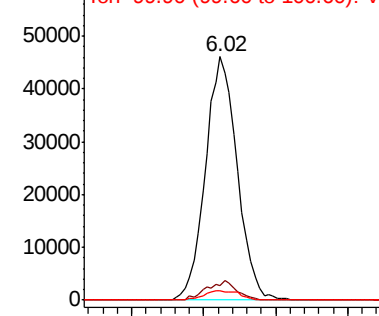
63 100

98 6.0 3.3 9.8

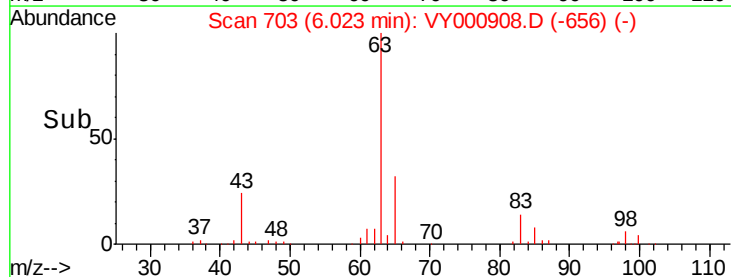
100 3.6 2.2 6.6

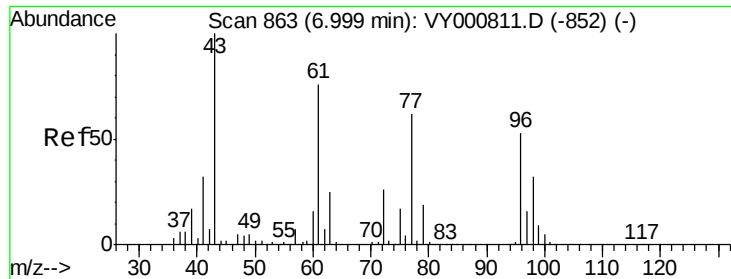


Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 97.763 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

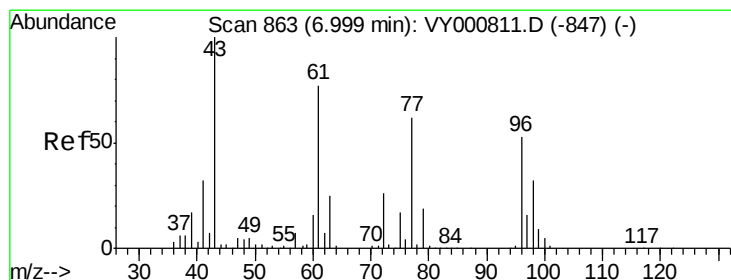
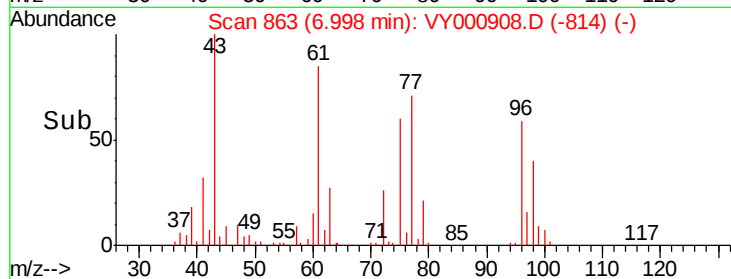
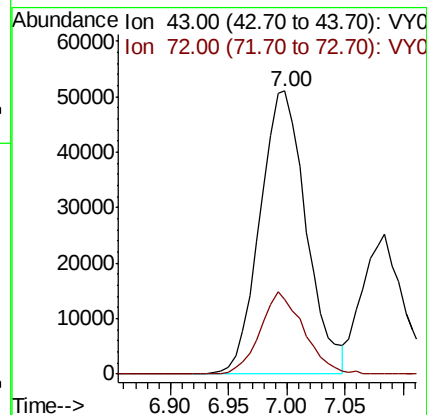
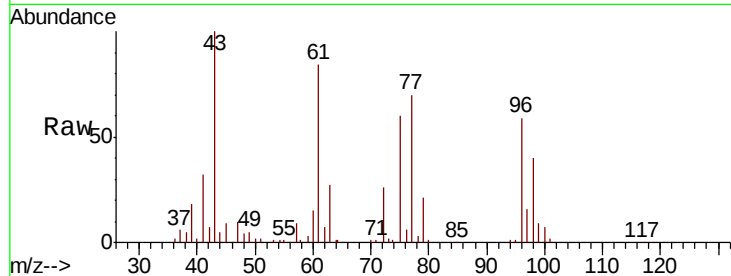
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 140746

Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.4



#26

2,2-Dichloropropane

Concen: 20.895 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000908.D

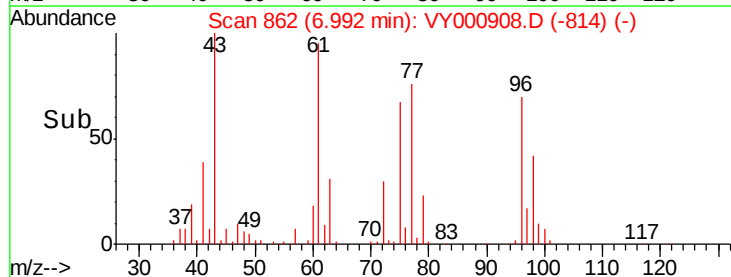
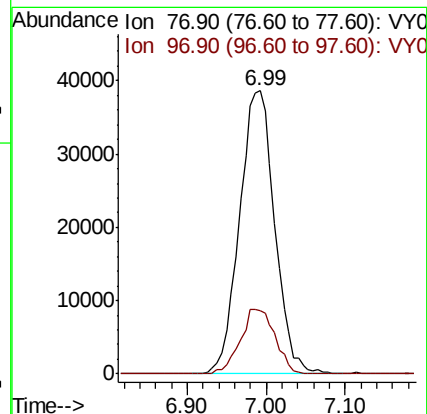
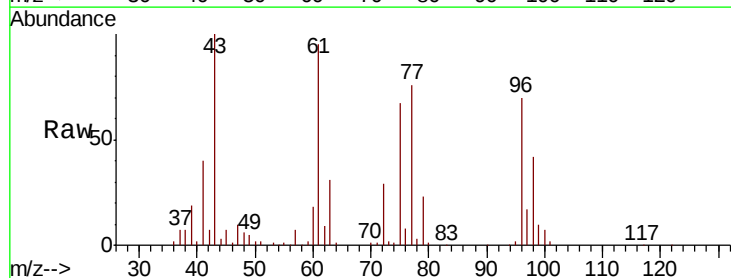
Acq: 09 Dec 2019 12:09

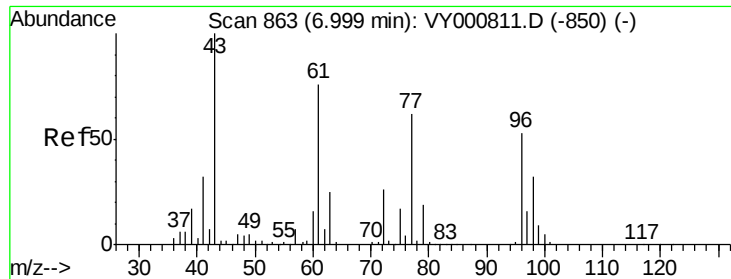
Tgt Ion: 77 Resp: 119746

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9



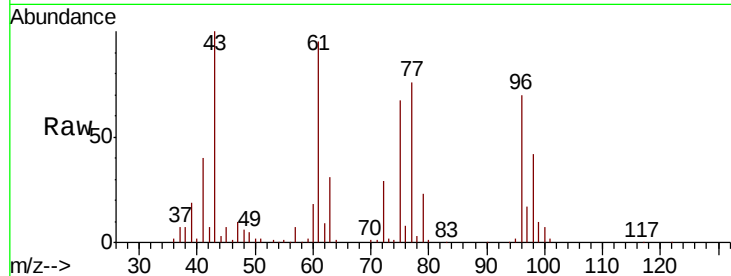


#27

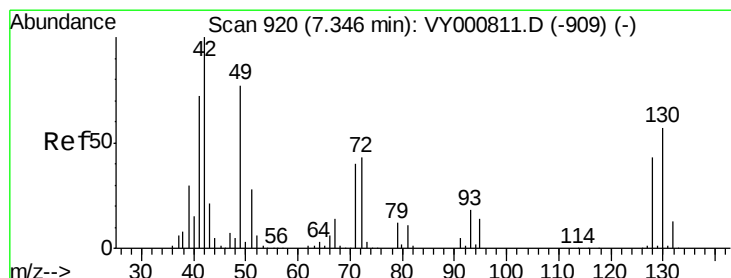
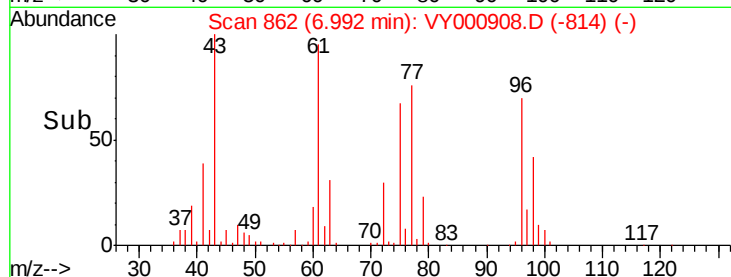
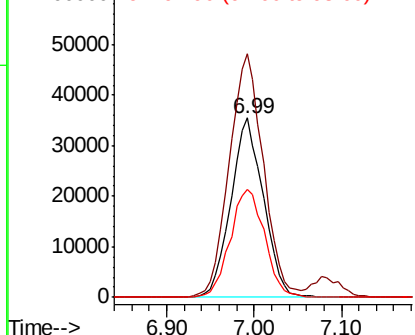
cis-1,2-Dichloroethene
 Concen: 21.326 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 96 Resp: 91851
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 285.0
 98 63.8 0.0 128.0



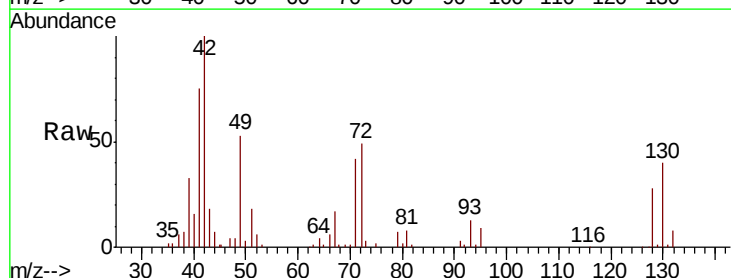
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



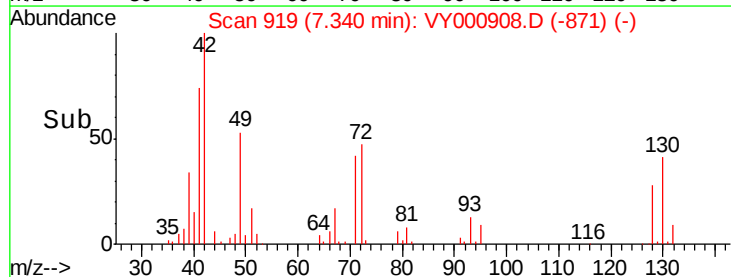
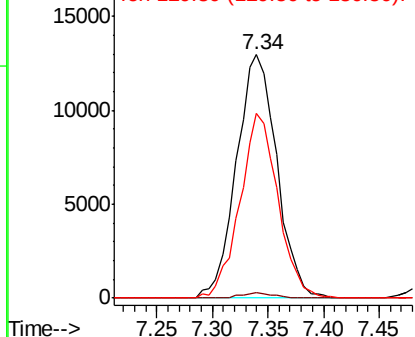
#28

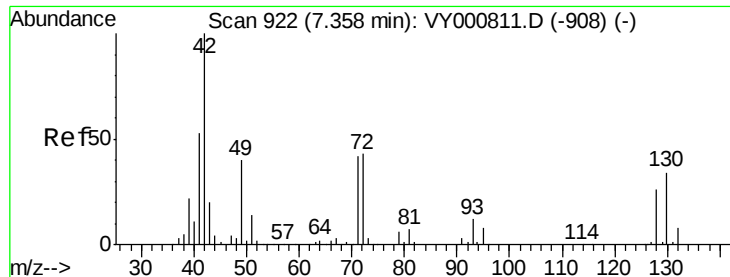
Bromochloromethane
 Concen: 14.576 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion: 49 Resp: 32677
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.8
 130 71.7 58.7 88.1



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: 100.022 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

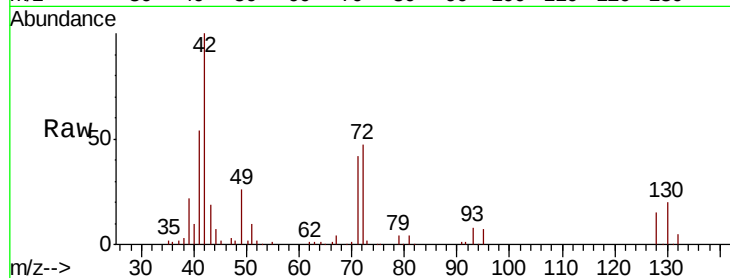
Tot Ion: 42 Resp: 95421

Ion Ratio Lower Upper

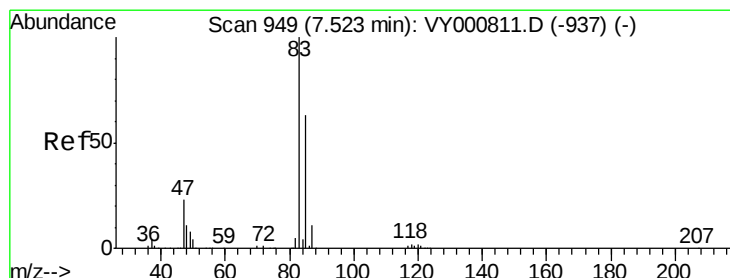
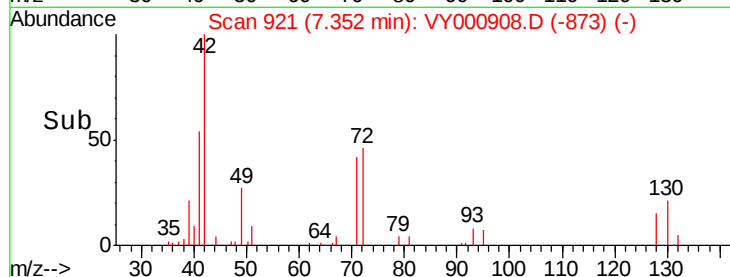
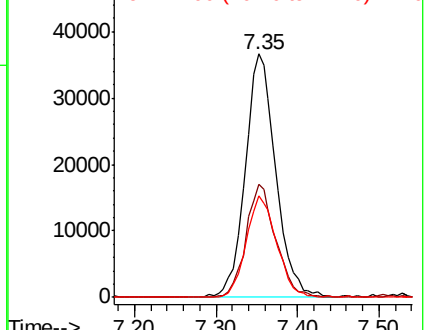
42 100

72 45.2 35.1 52.7

71 41.3 32.8 49.2



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



#30

Chloroform

Concen: 19.864 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000908.D

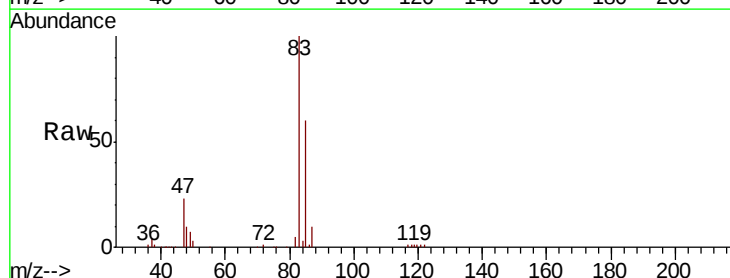
Acq: 09 Dec 2019 12:09

Tgt Ion: 83 Resp: 135690

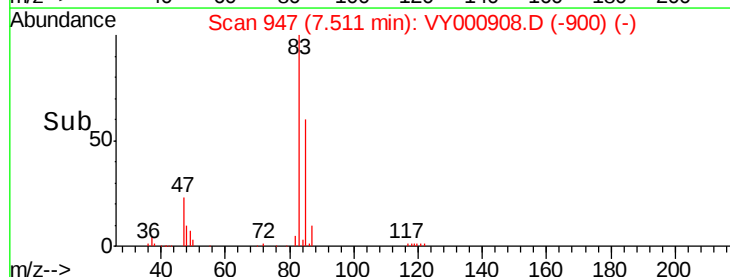
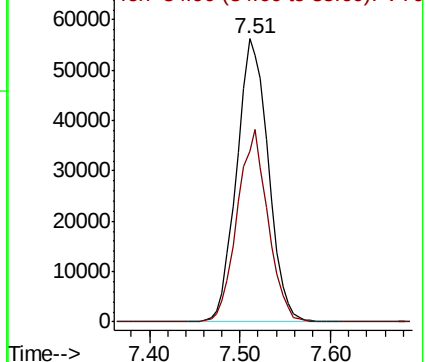
Ion Ratio Lower Upper

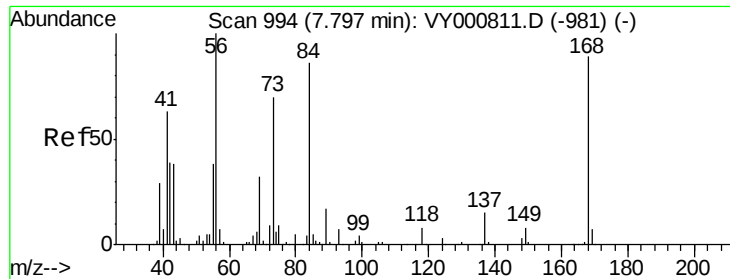
83 100

85 60.4 50.4 75.6



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

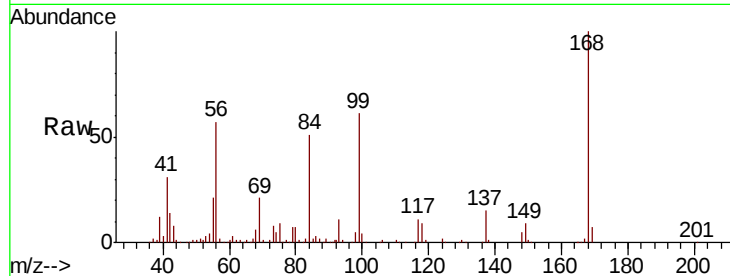




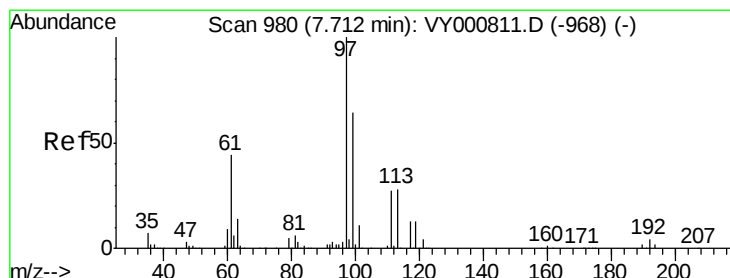
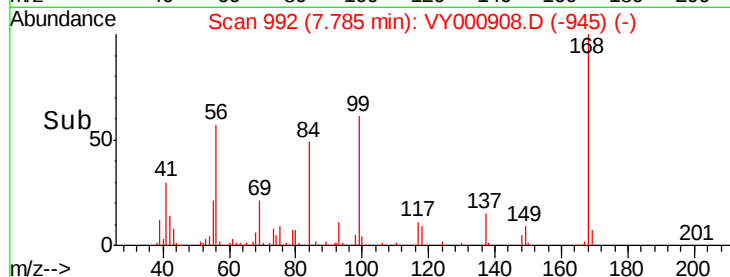
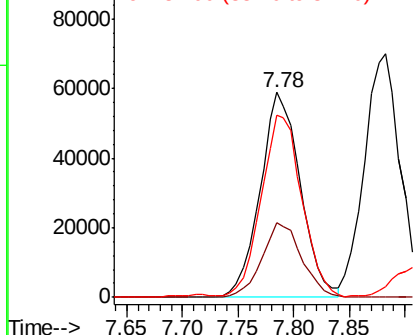
#31
Cyclohexane
Concen: 20.496 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 147847
Ion Ratio Lower Upper
56 100
69 36.6 25.9 38.9
84 88.0 68.6 102.8

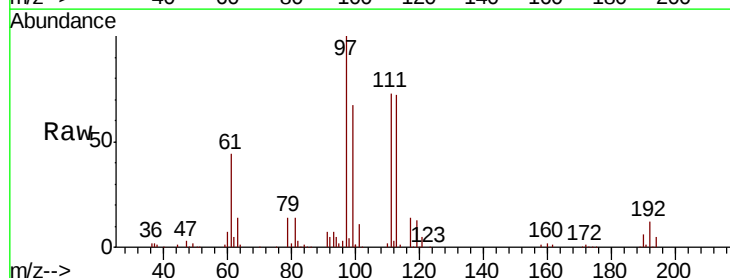


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

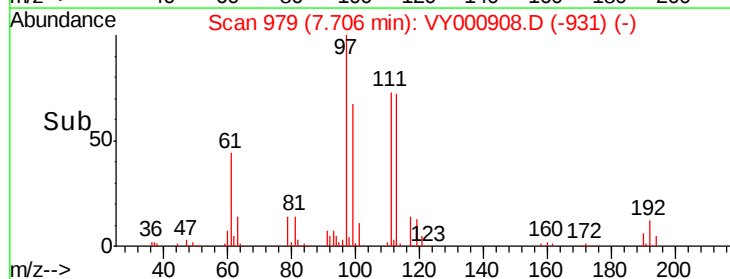
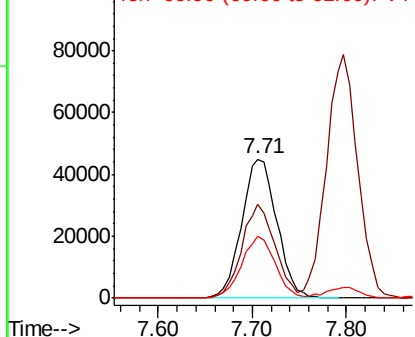


#32
1,1,1-Trichloroethane
Concen: 20.747 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 97 Resp: 117022
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 42.7 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.819 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

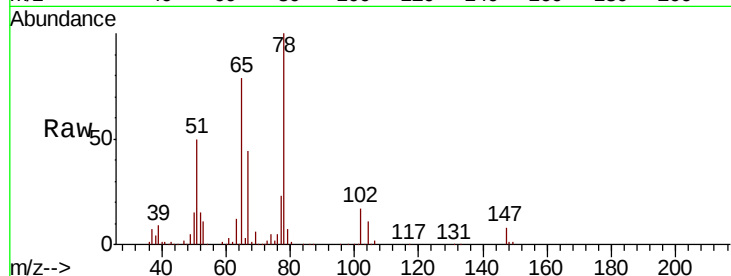
ClientSampleId :

Tot Ion: 65 Resp: 165854

Ion Ratio Lower Upper

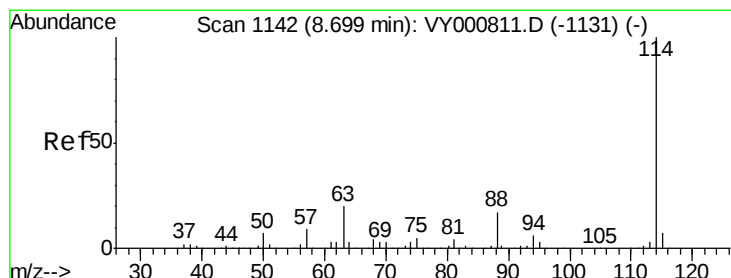
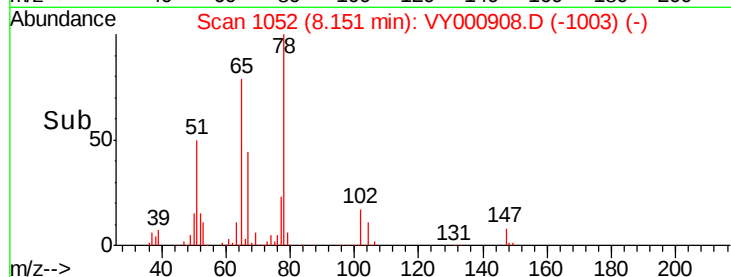
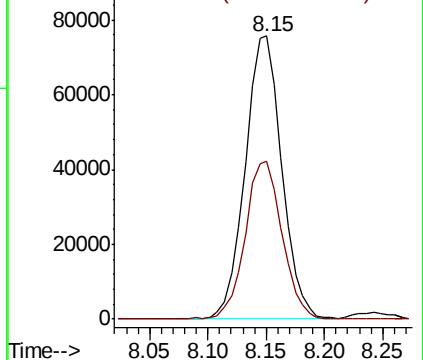
65 100

67 56.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

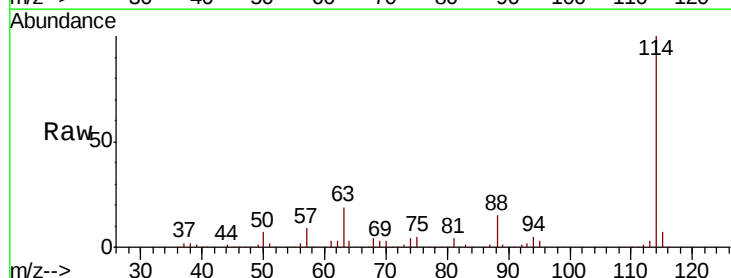
Tgt Ion:114 Resp: 556844

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

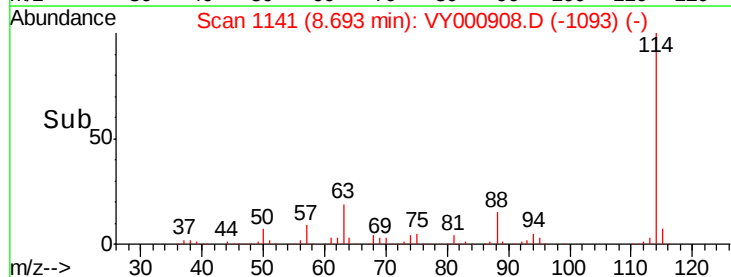
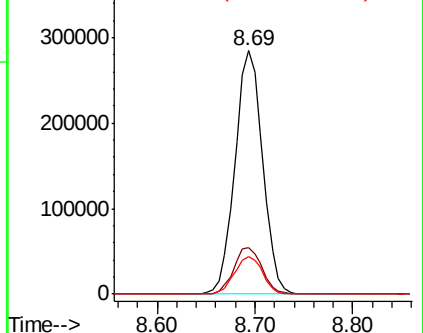
88 15.3 0.0 33.2

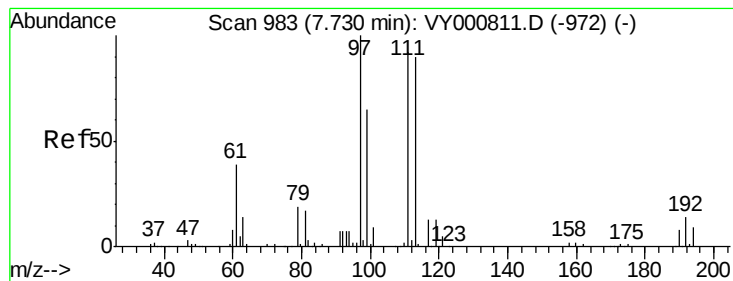


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.571 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

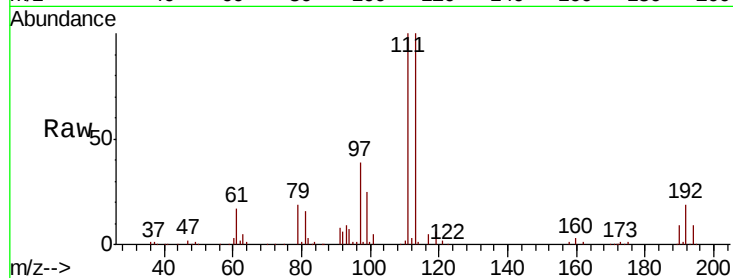
Tot Ion:113 Resp: 160873

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

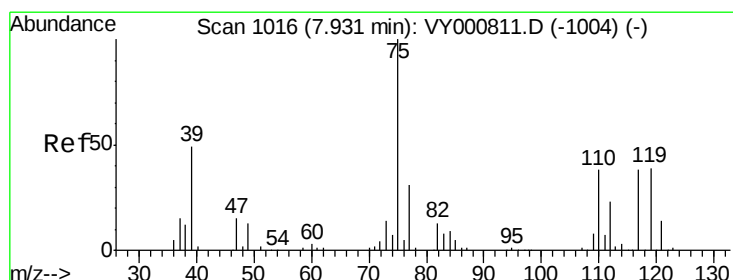
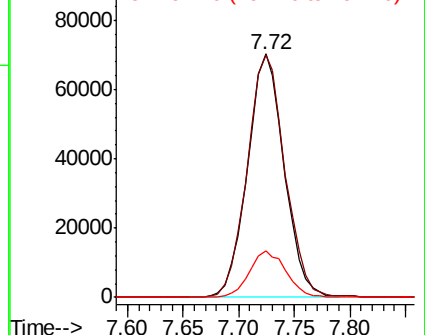
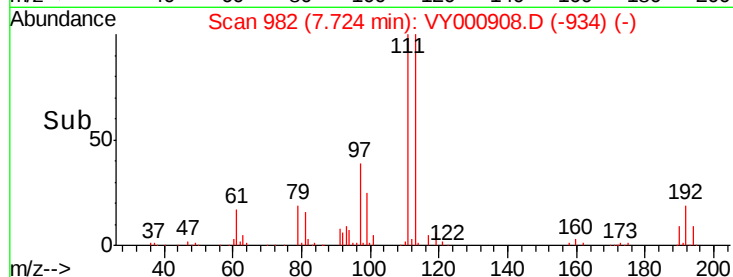
192 19.1 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.615 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

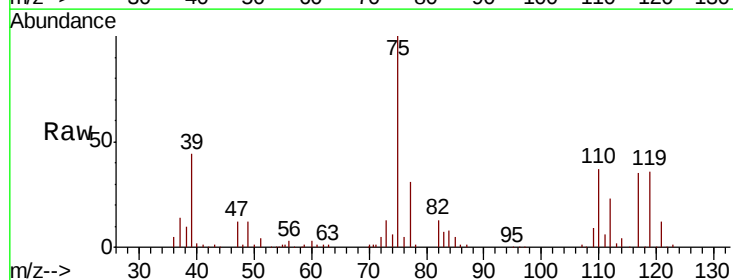
Tgt Ion: 75 Resp: 114138

Ion Ratio Lower Upper

75 100

110 35.7 17.9 53.7

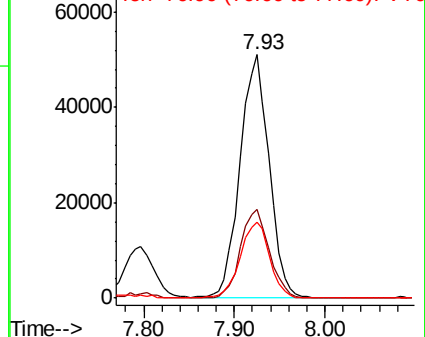
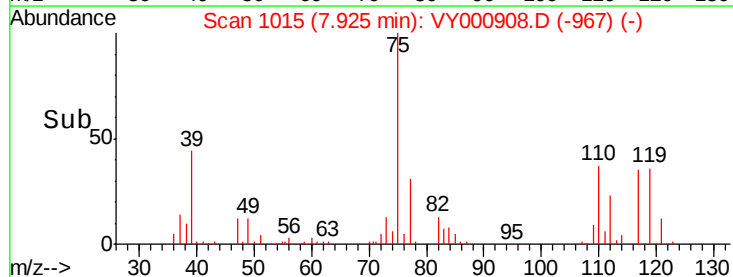
77 31.4 24.7 37.1

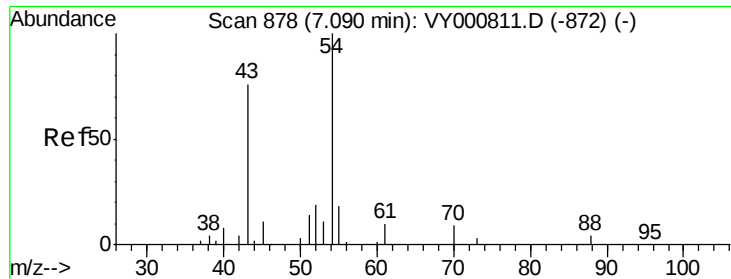


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

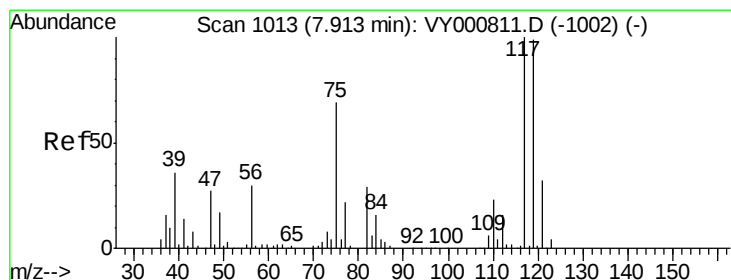
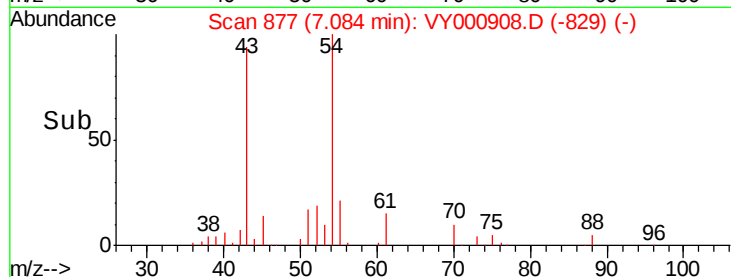
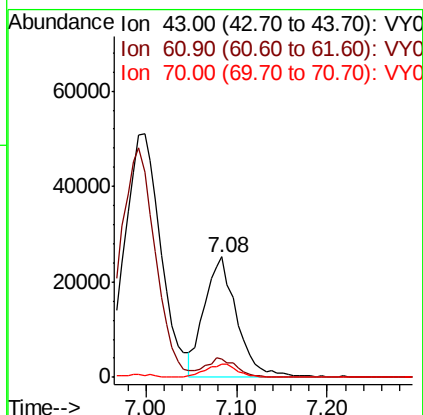
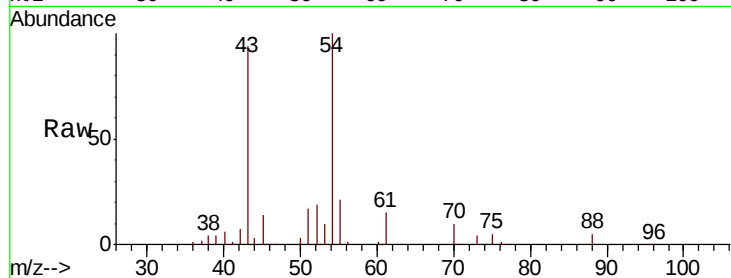




#37
Ethyl Acetate
Concen: 19.770 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

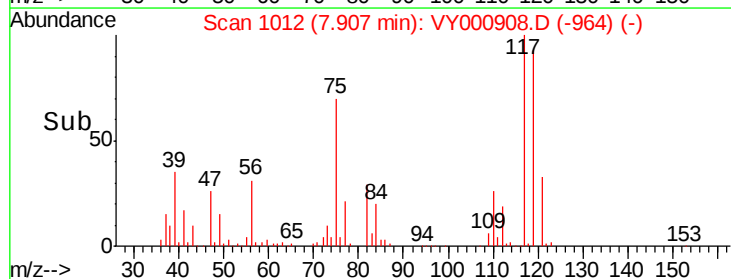
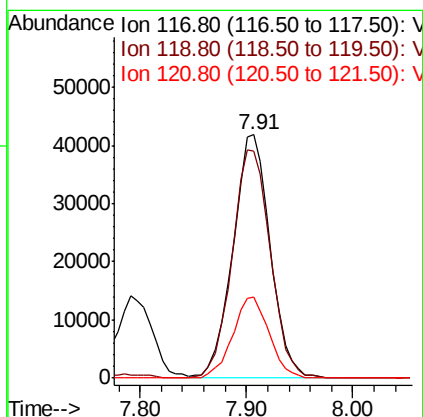
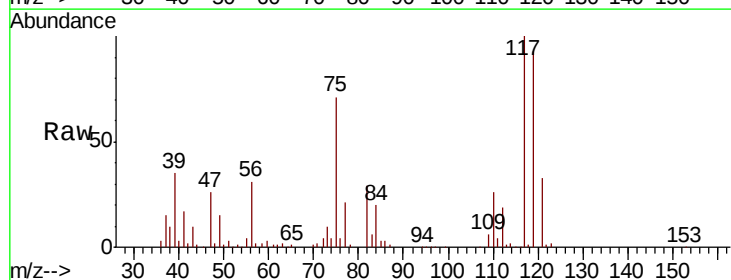
Instrument :
MSVOA_Y
ClientSampleId :

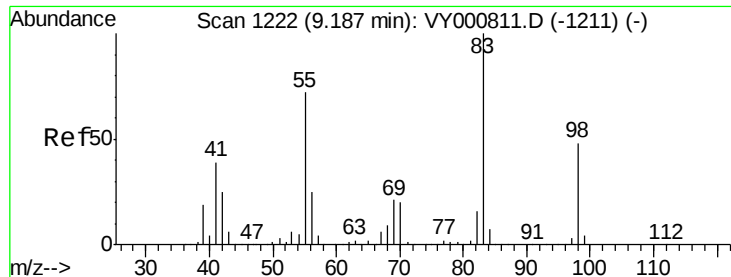
Tot Ion: 43 Resp: 63205
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 20.851 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 117 Resp: 102811
Ion Ratio Lower Upper
117 100
119 93.2 79.3 118.9
121 33.1 25.5 38.3

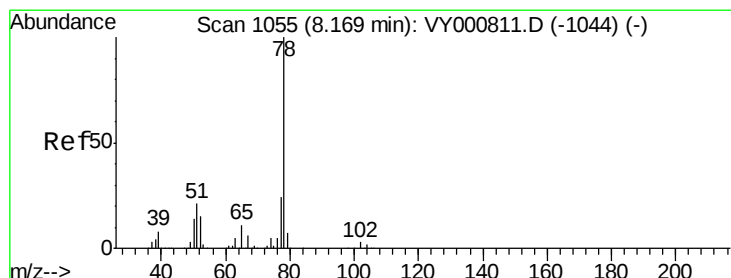
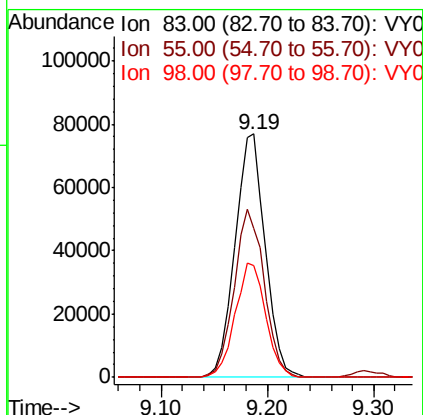
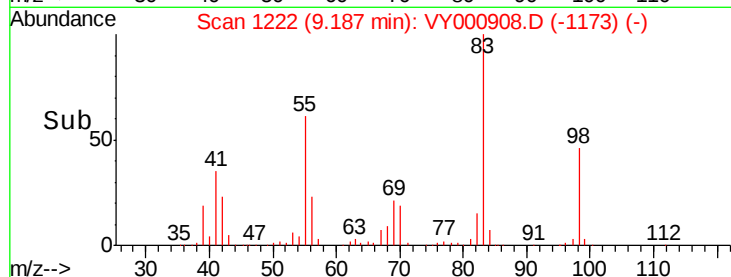
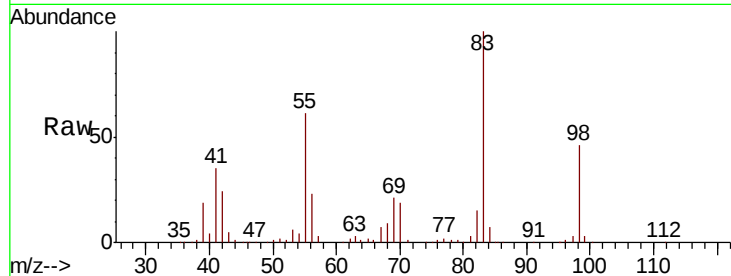




#39
Methvlcvclohexane
Concen: 20.865 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

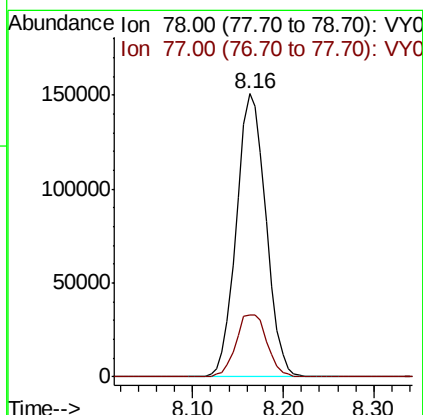
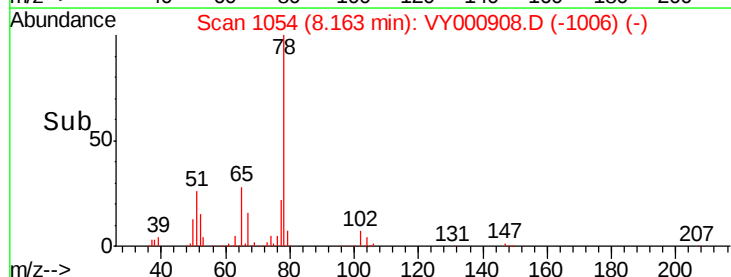
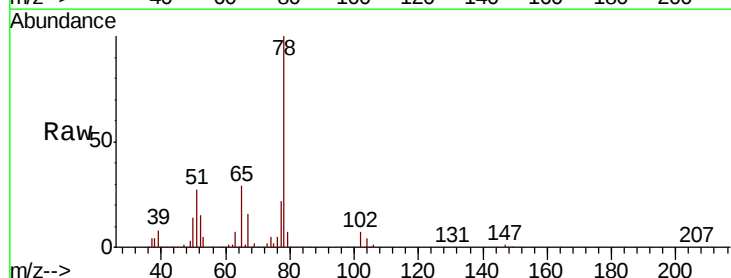
Instrument :
MSVOA_Y
ClientSampleId :

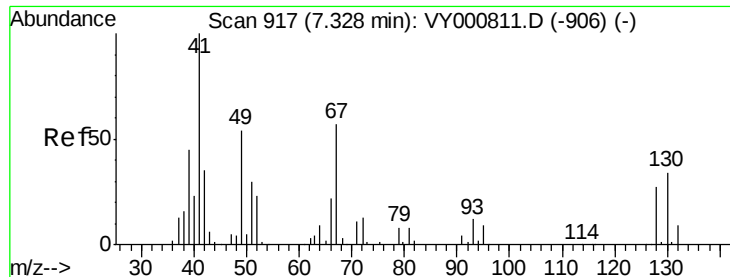
Tot Ion: 83 Resp: 153058
Ion Ratio Lower Upper
83 100
55 61.4 57.8 86.6
98 45.9 38.6 58.0



#40
Benzene
Concen: 21.078 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 78 Resp: 339937
Ion Ratio Lower Upper
78 100
77 22.0 19.2 28.8

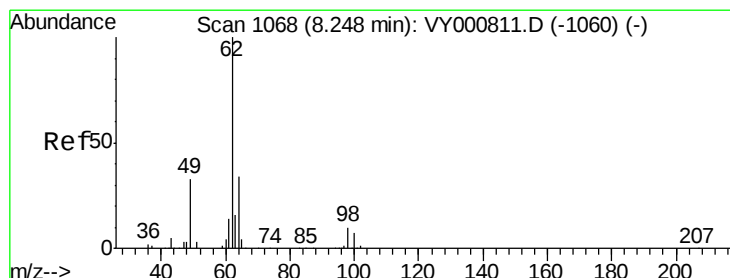
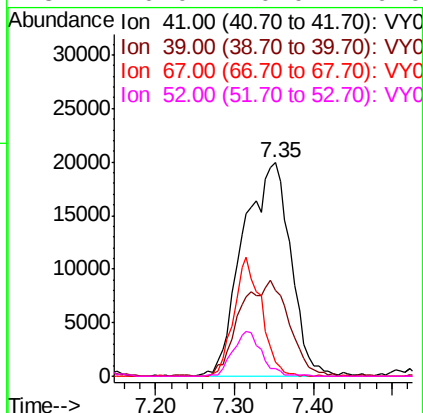
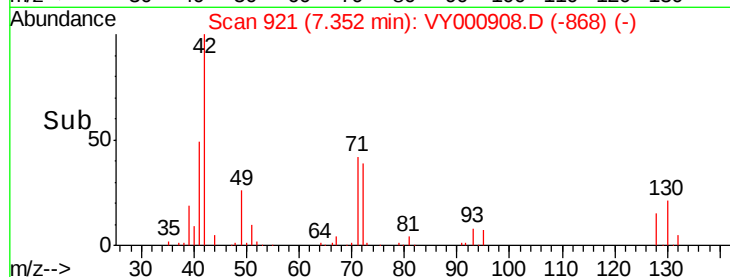
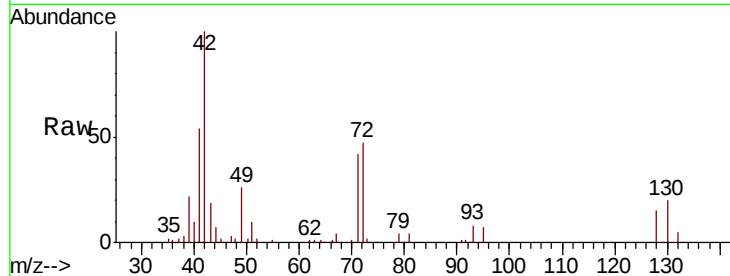




#41
Methacrylonitrile
Concen: 49.596 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

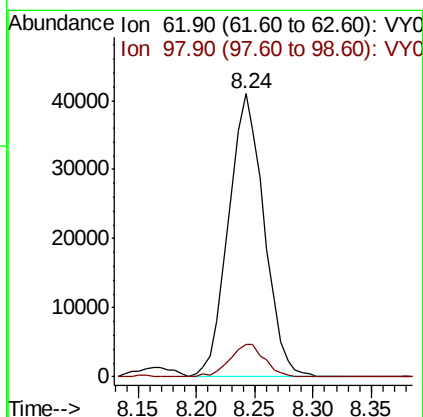
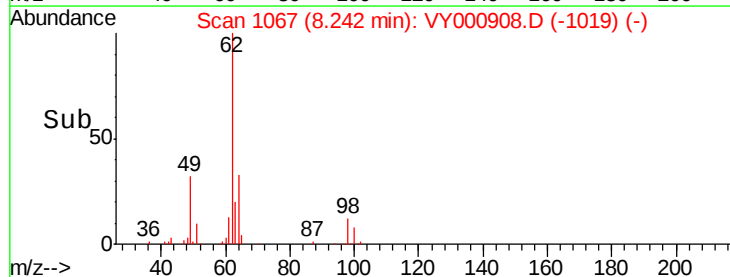
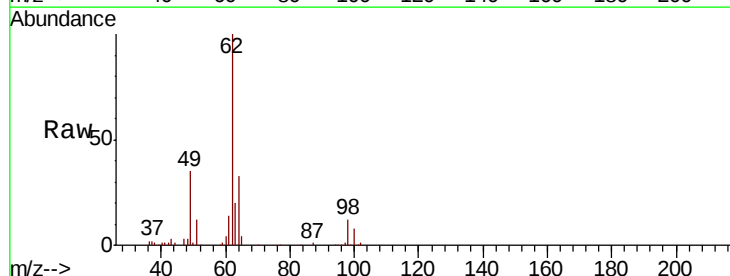
Instrument :
MSVOA_Y
ClientSampled :

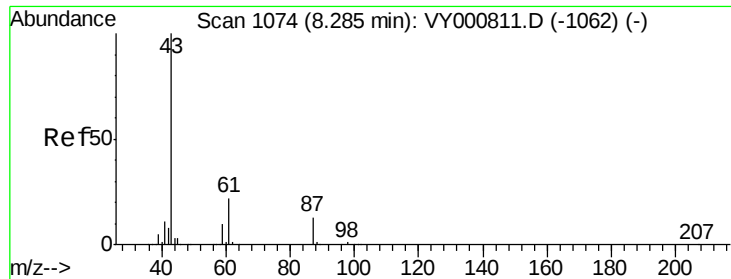
Tot Ion: 41 Resp: 83568
Ion Ratio Lower Upper
41 100
39 46.1 95.7 143.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.529 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 62 Resp: 87070
Ion Ratio Lower Upper
62 100
98 11.5 0.0 21.4

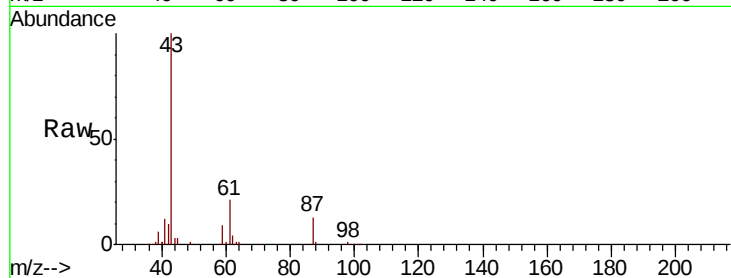




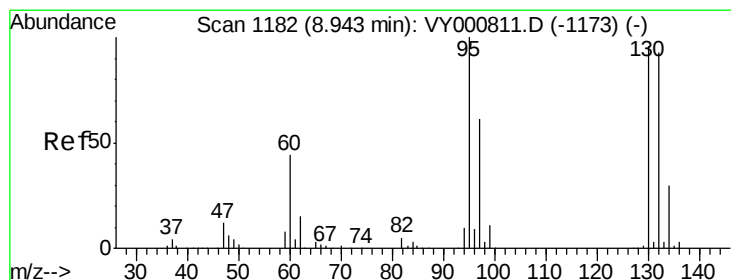
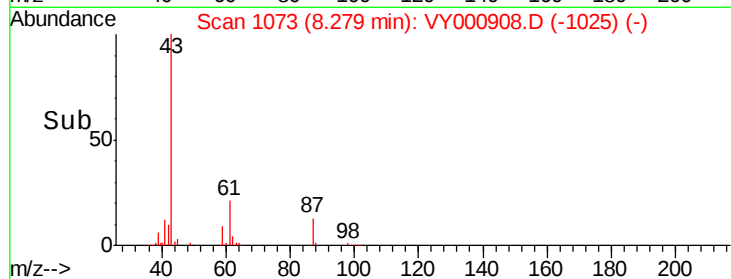
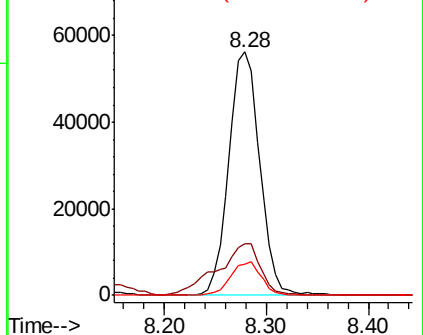
#43
Isopropyl Acetate
Concen: 19.623 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 118219
Ion Ratio Lower Upper
43 100
61 29.6 23.7 35.5
87 13.7 10.6 15.8

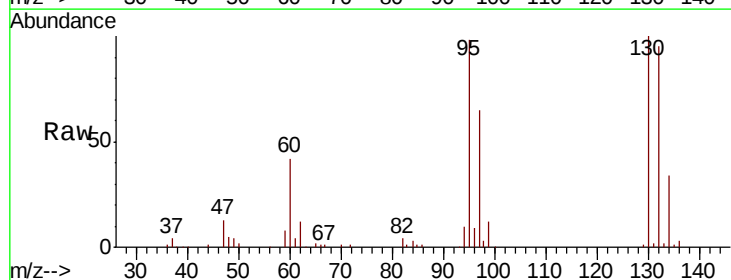


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

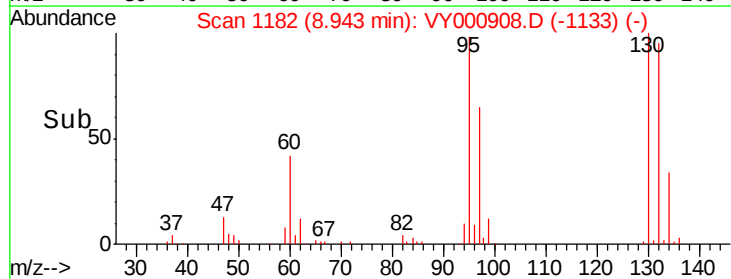
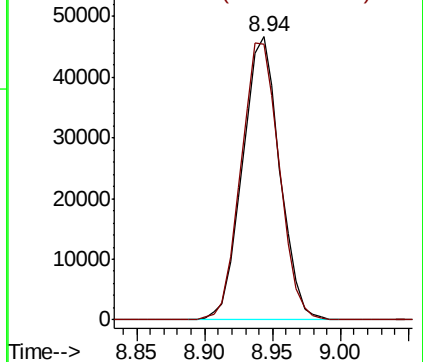


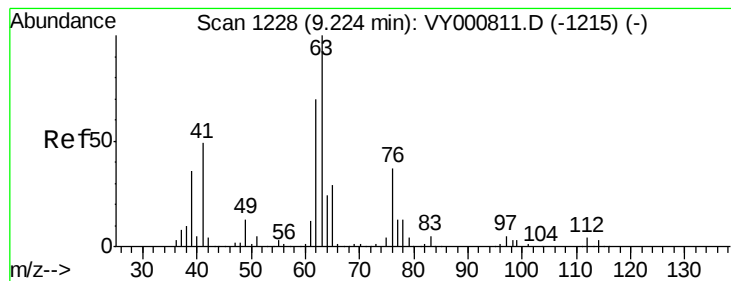
#44
Trichloroethene
Concen: 21.556 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion:130 Resp: 89342
Ion Ratio Lower Upper
130 100
95 97.6 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 21.493 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

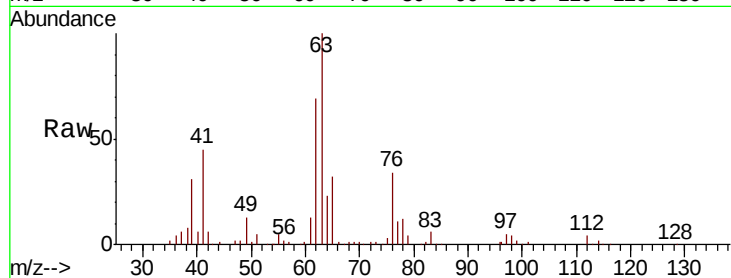
ClientSampled :

Tot Ion: 63 Resp: 87066

Ion Ratio Lower Upper

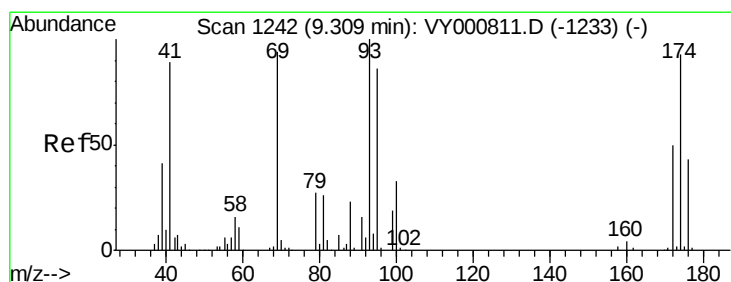
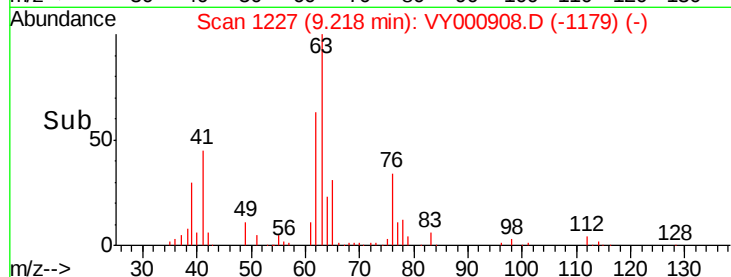
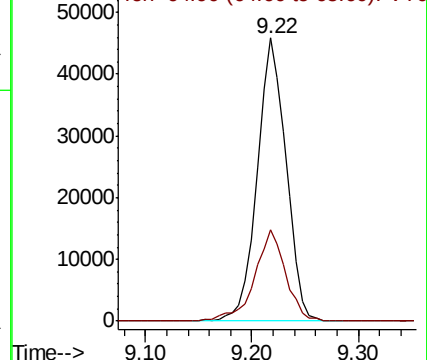
63 100

65 32.3 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.617 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

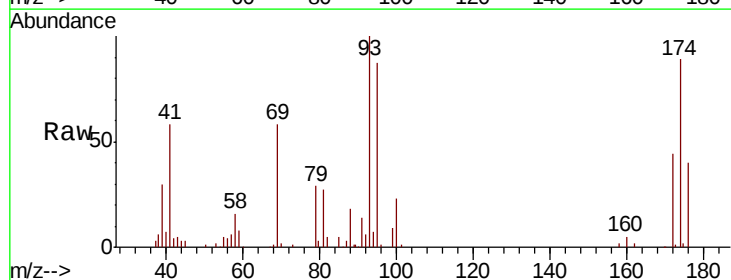
Tgt Ion: 93 Resp: 43638

Ion Ratio Lower Upper

93 100

95 87.1 66.4 99.6

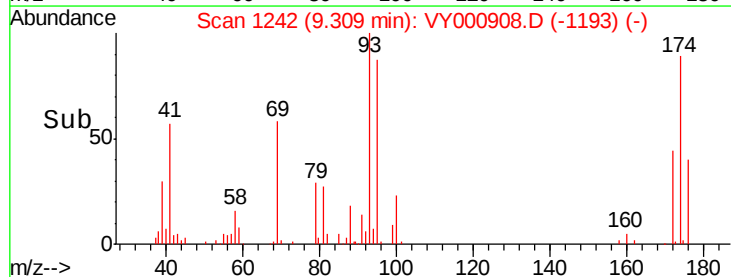
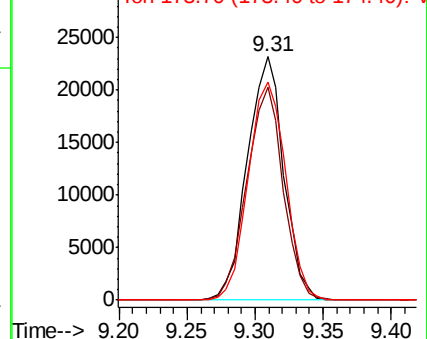
174 91.8 73.0 109.6

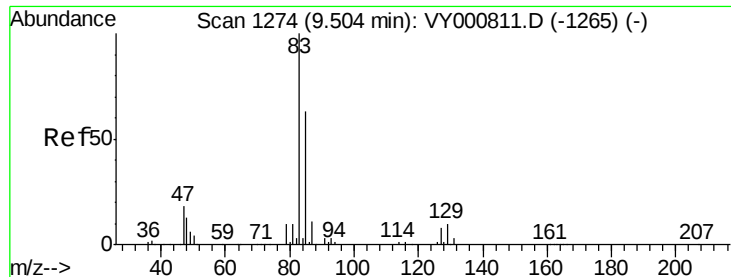


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.407 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

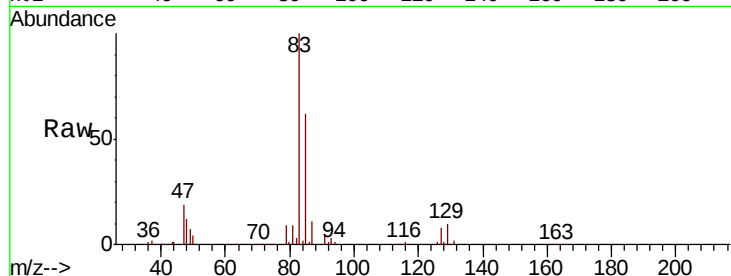
Tot Ion: 83 Resp: 101469

Ion Ratio Lower Upper

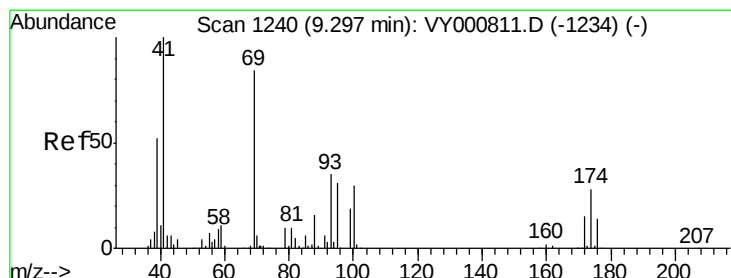
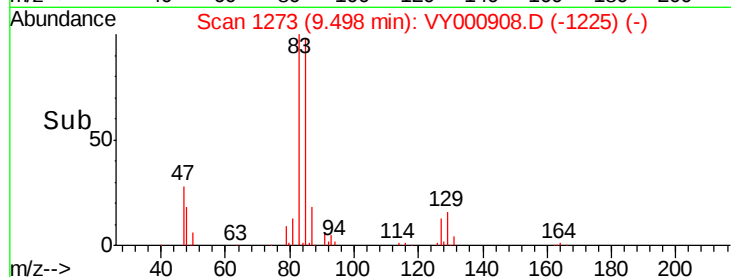
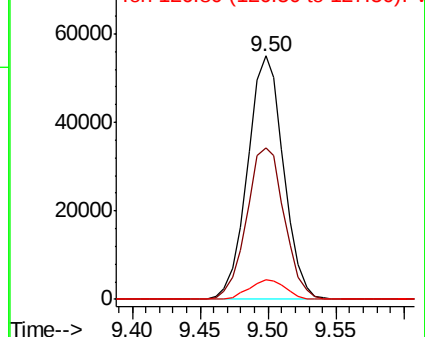
83 100

85 62.3 50.8 76.2

127 8.2 6.6 10.0



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: 19.480 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

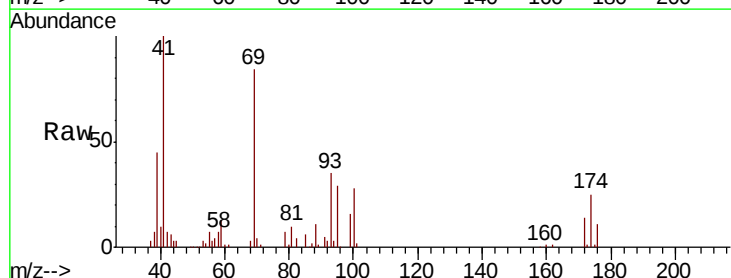
Tgt Ion: 41 Resp: 51608

Ion Ratio Lower Upper

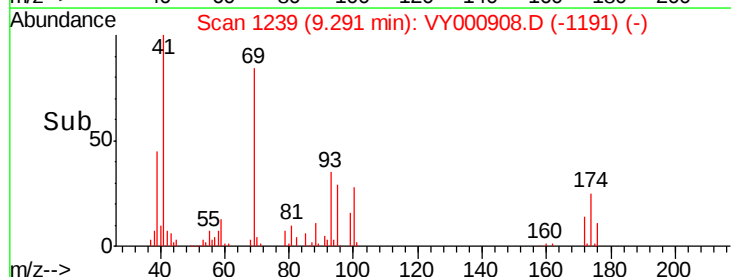
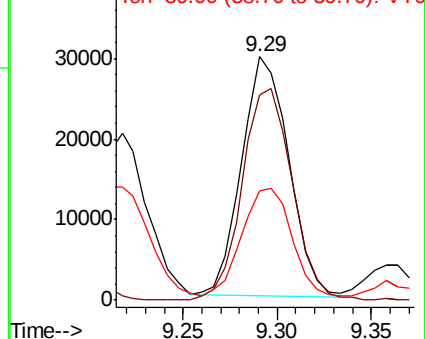
41 100

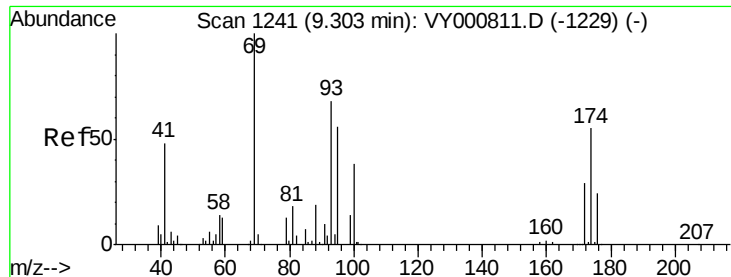
69 93.5 70.4 105.6

39 48.2 40.9 61.3



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

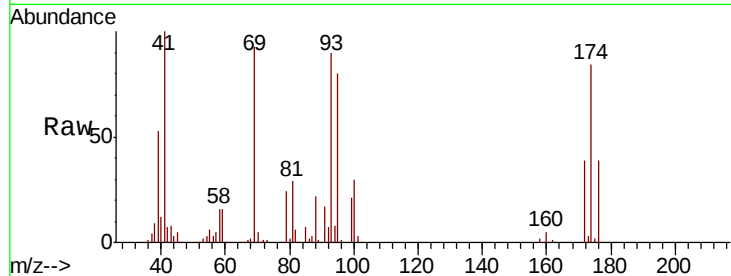




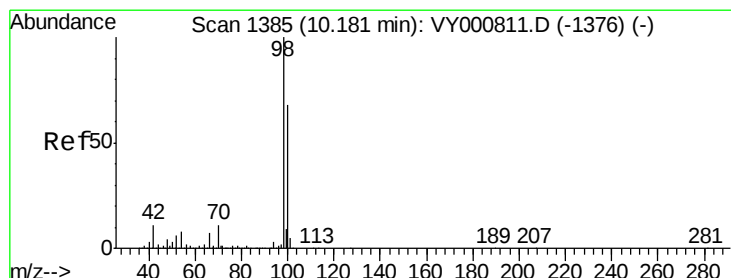
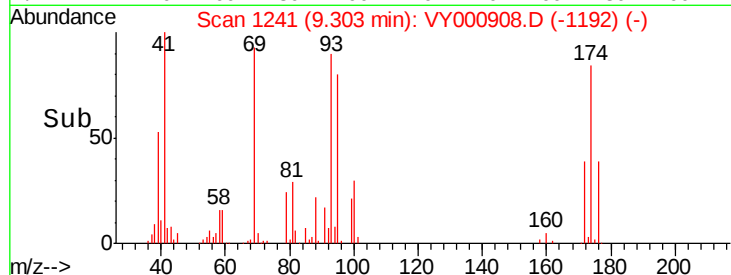
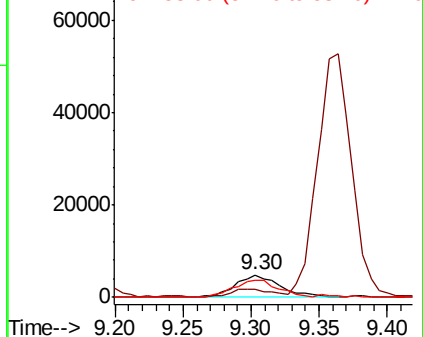
#49
1,4-Dioxane
Concen: 378.922 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 11364
Ion Ratio Lower Upper
88 100
43 28.8 21.1 31.7
58 73.6 50.7 76.1

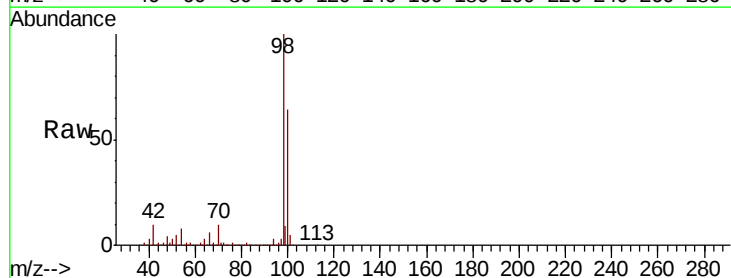


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

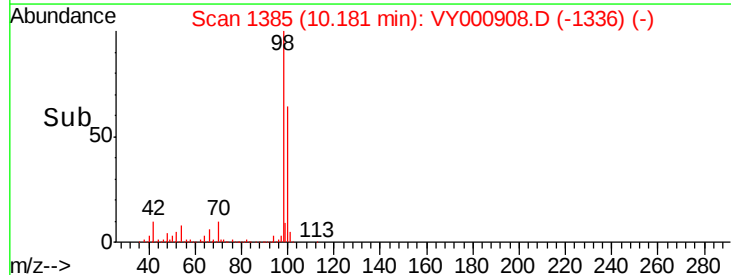
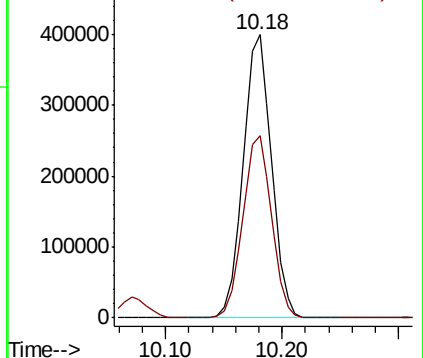


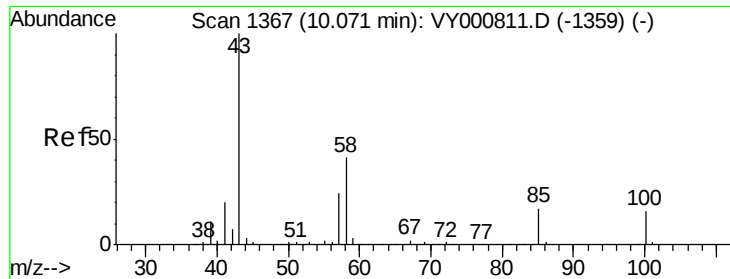
#50
Toluene-d8
Concen: 52.237 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 98 Resp: 677747
Ion Ratio Lower Upper
98 100
100 65.1 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: 100.820 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

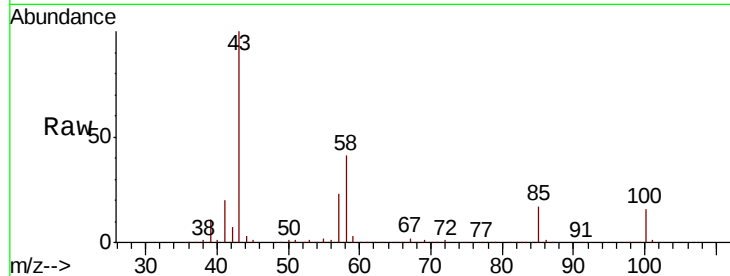
ClientSampled :

Tot Ion: 43 Resp: 313830

Ion Ratio Lower Upper

43 100

58 41.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-1359) (-)

10.07

200000

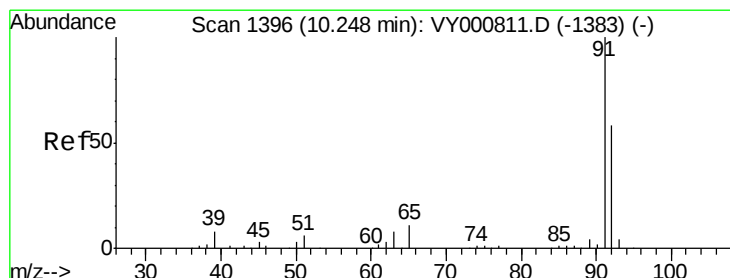
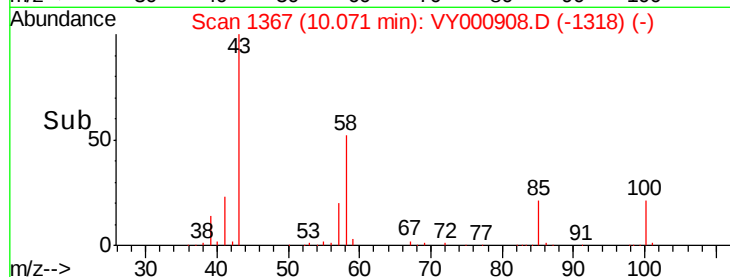
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.086 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000908.D

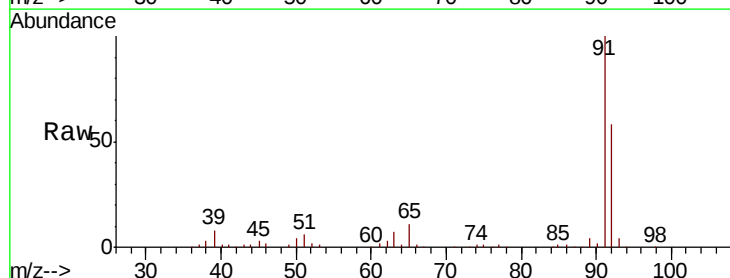
Acq: 09 Dec 2019 12:09

Tgt Ion: 92 Resp: 210557

Ion Ratio Lower Upper

92 100

91 171.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY000811.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY000811.D (-1383) (-)

250000

200000

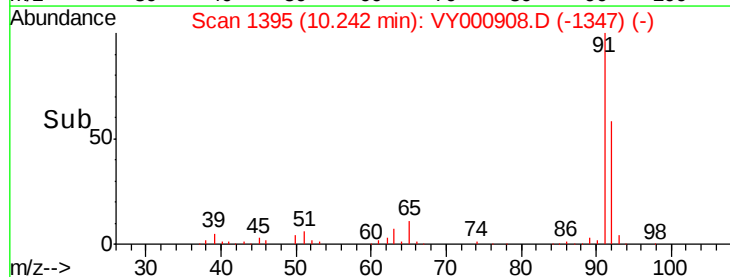
150000

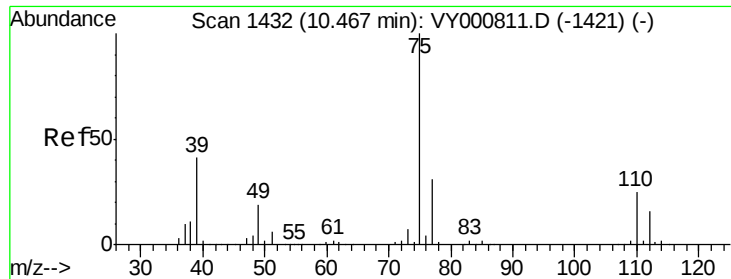
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.906 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

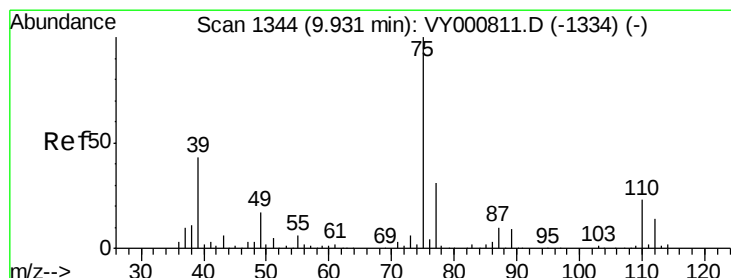
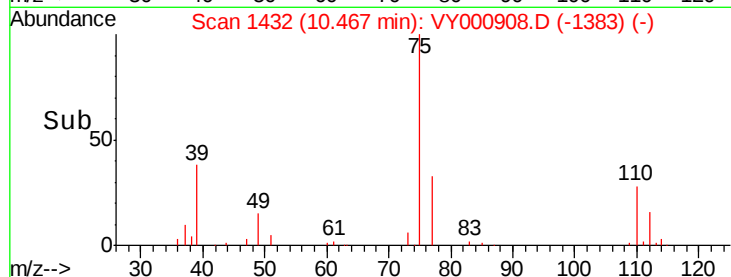
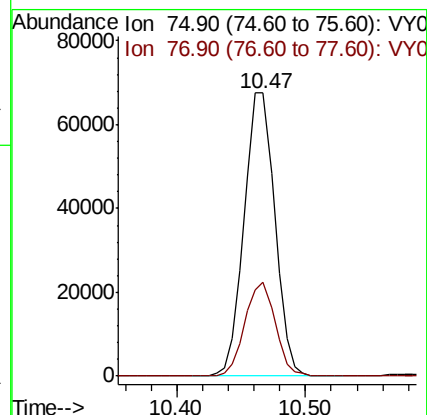
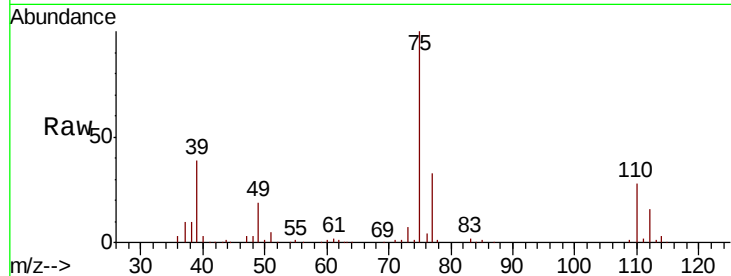
ClientSampleId :

Tot Ion: 75 Resp: 111678

Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.790 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

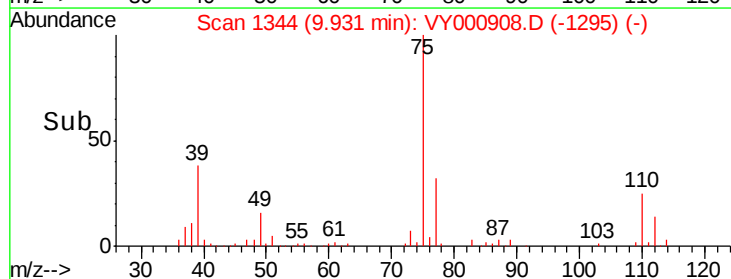
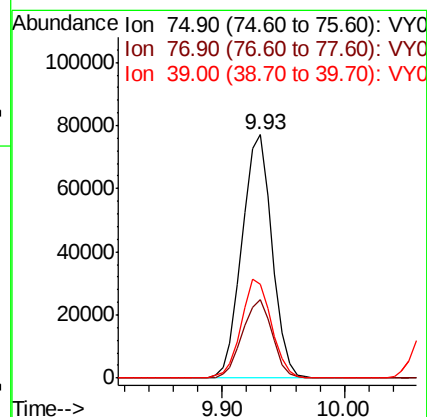
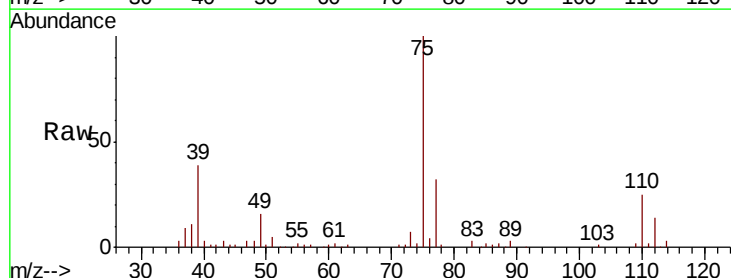
Tgt Ion: 75 Resp: 131274

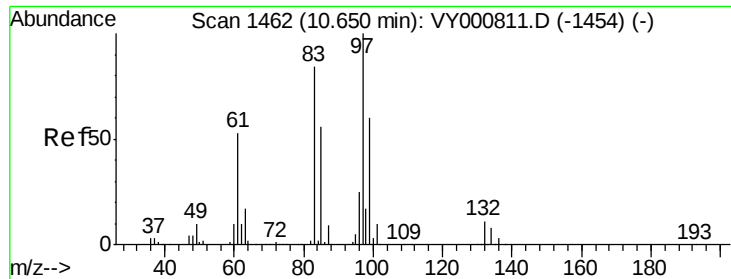
Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1

39 38.6 34.5 51.7

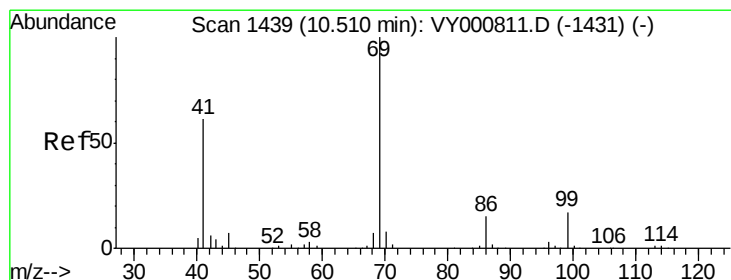
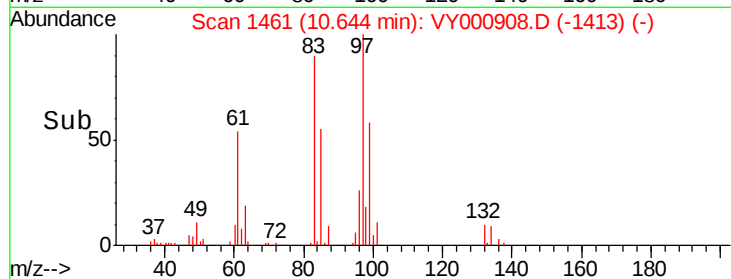
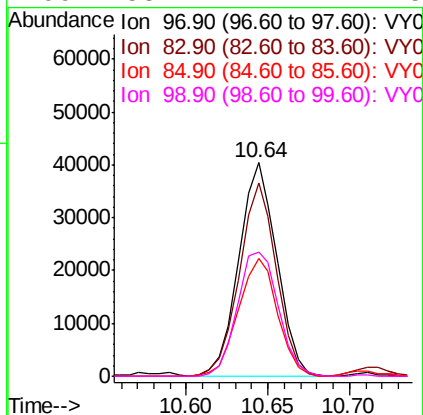
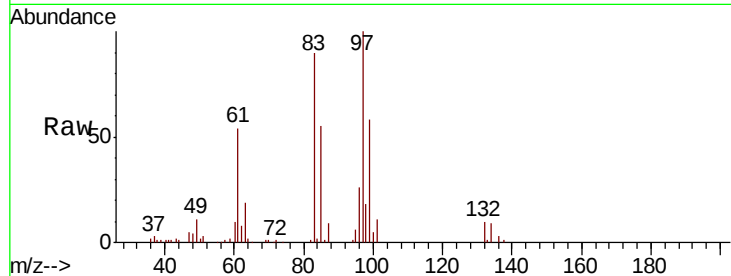




#55
 1,1,2-Trichloroethane
 Concen: 20.919 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

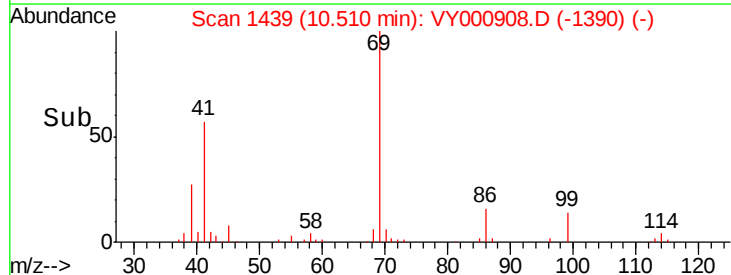
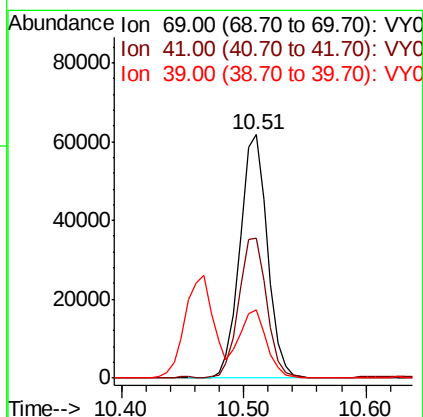
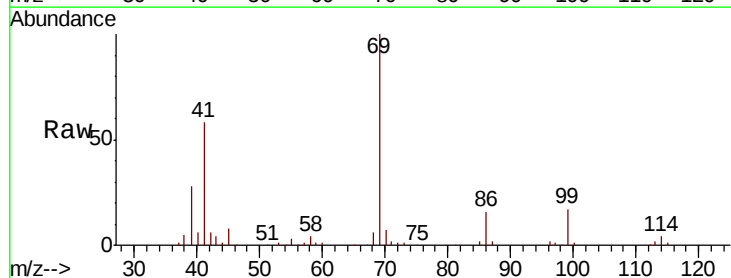
Instrument :
 MSVOA_Y
 ClientSampleId :

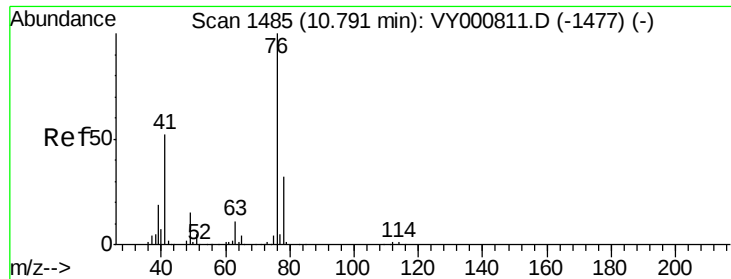
Tot Ion: 97 Resp: 65416
 Ion Ratio Lower Upper
 97 100
 83 90.3 67.5 101.3
 85 55.3 44.5 66.7
 99 58.4 47.7 71.5



#56
 Ethyl methacrylate
 Concen: 21.481 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion: 69 Resp: 96094
 Ion Ratio Lower Upper
 69 100
 41 58.4 49.0 73.6
 39 27.8 23.1 34.7





#57

1,3-Dichloropropane

Concen: 20.881 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

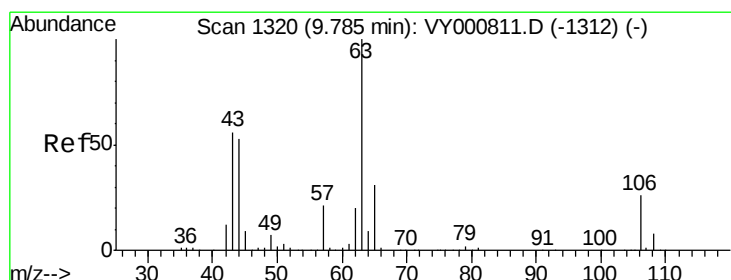
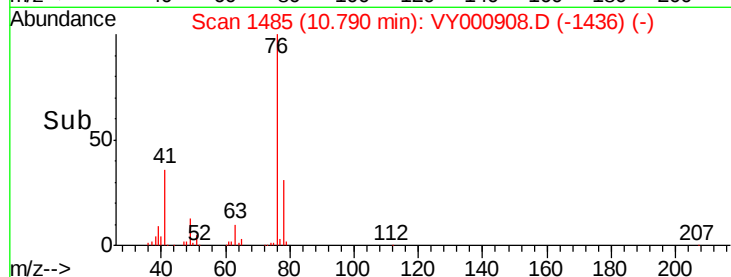
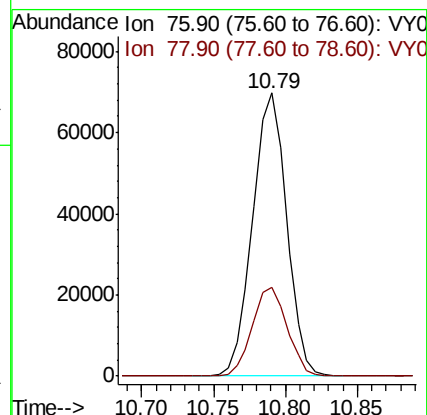
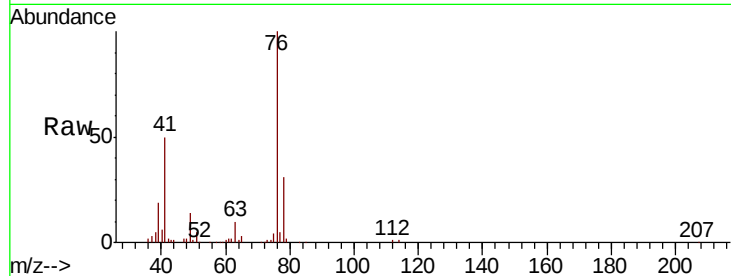
ClientSampleId :

Tot Ion: 76 Resp: 113803

Ion Ratio Lower Upper

76 100

78 32.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 102.006 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY000908.D

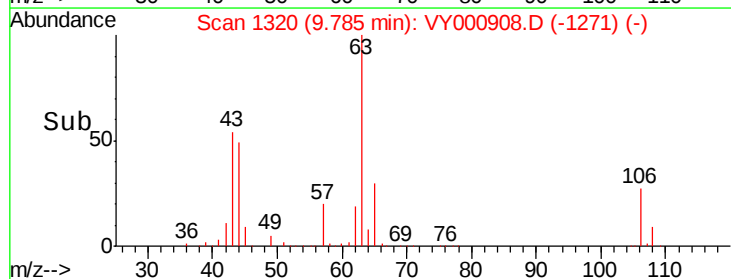
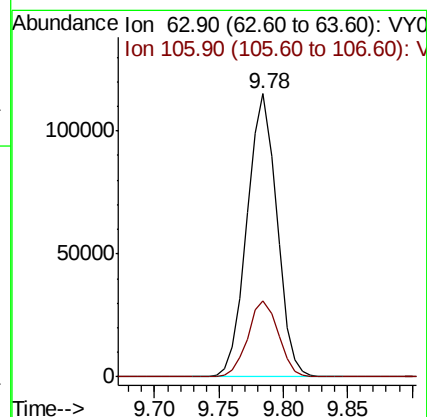
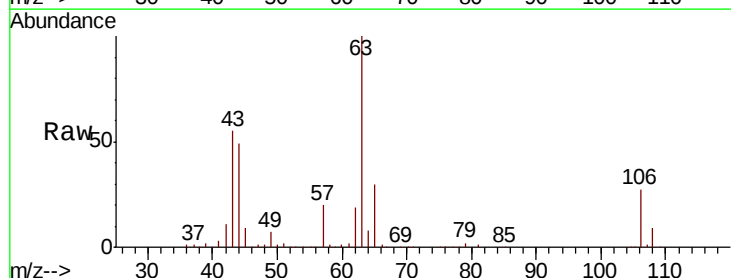
Acq: 09 Dec 2019 12:09

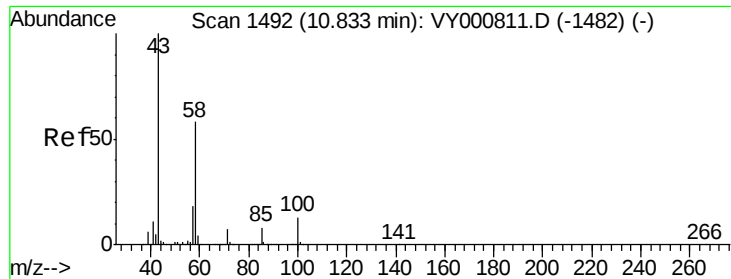
Tgt Ion: 63 Resp: 183993

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3

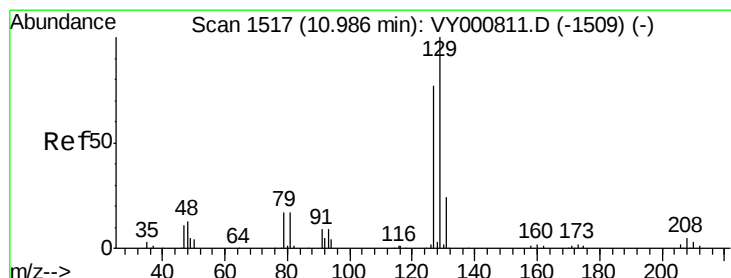
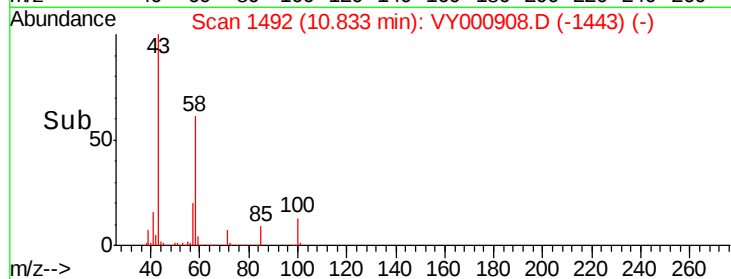
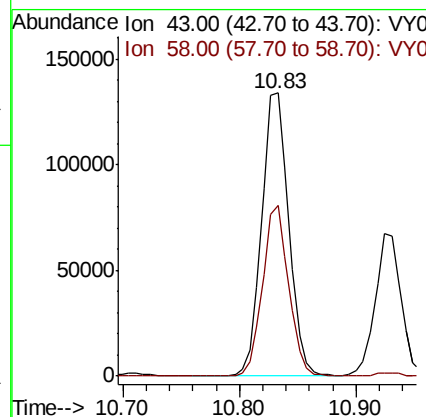
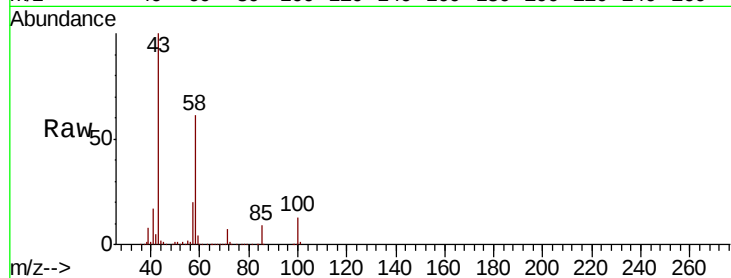




#59
2-Hexanone
Concen: 95.723 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

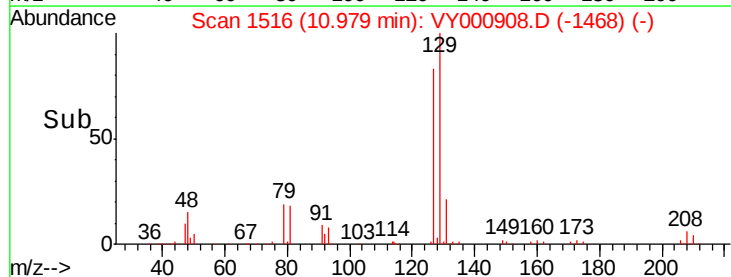
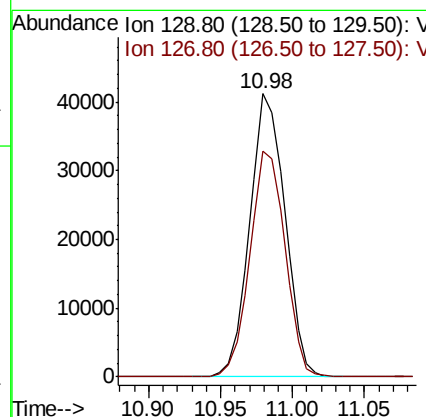
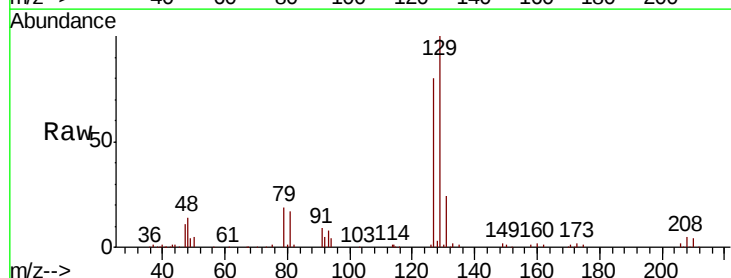
Instrument :
MSVOA_Y
ClientSampleId :

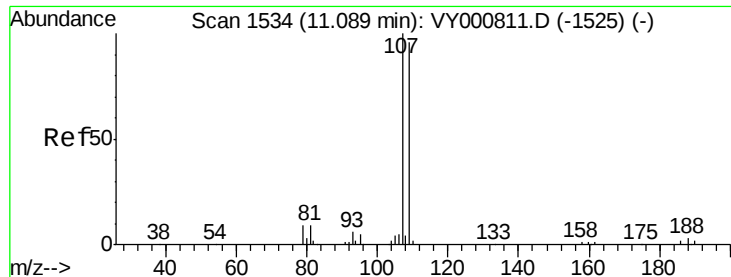
Tot Ion: 43 Resp: 217120
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.1



#60
Dibromochloromethane
Concen: 20.670 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 129 Resp: 69582
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.339 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

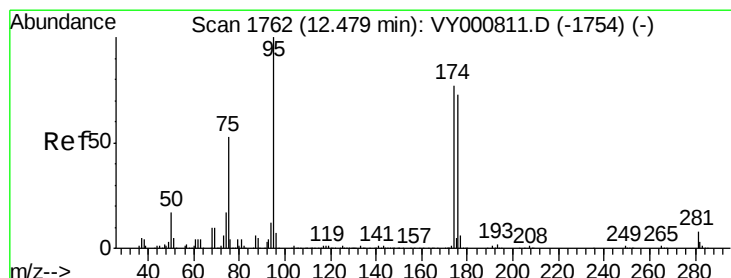
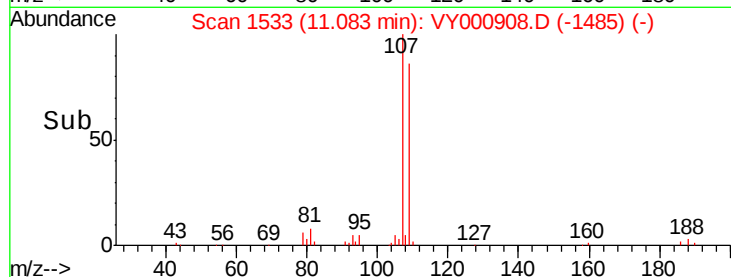
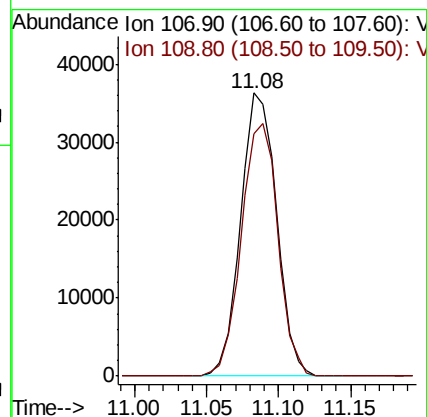
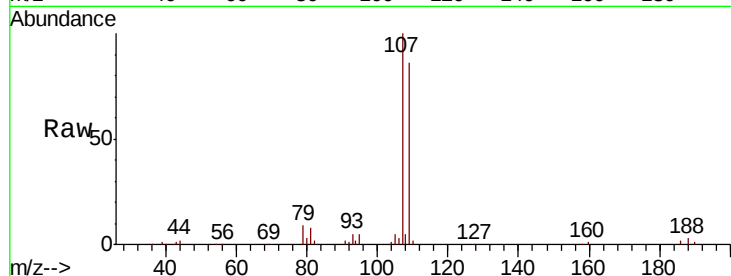
ClientSampleId :

Tot Ion: 107 Resp: 62889

Ion Ratio Lower Upper

107 100

109 90.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 47.942 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

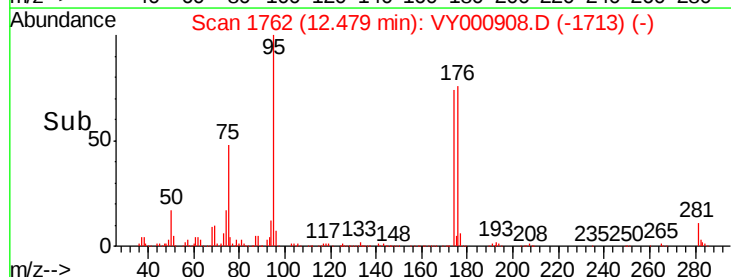
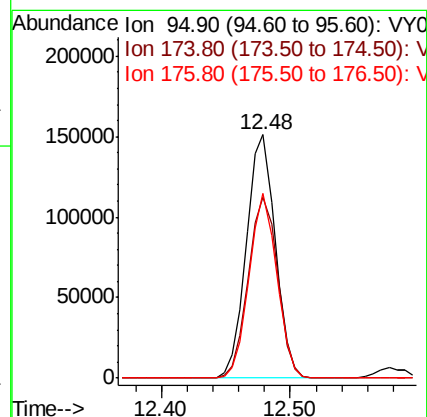
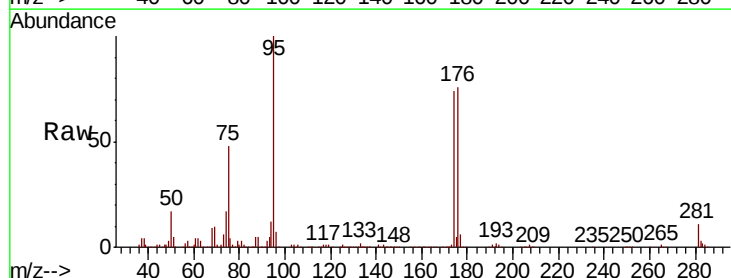
Tgt Ion: 95 Resp: 233600

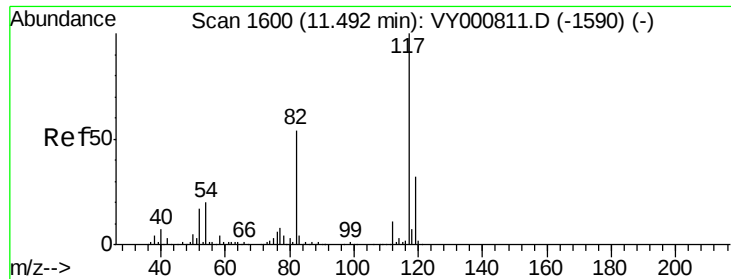
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.6

176 72.6 0.0 145.2

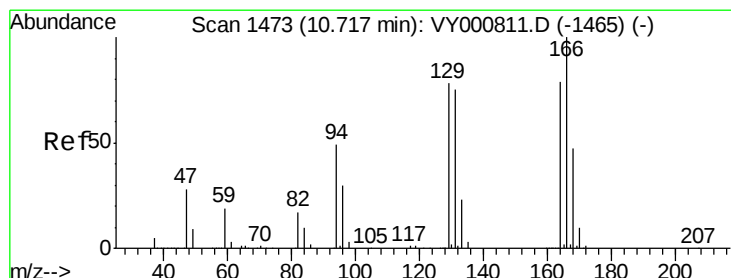
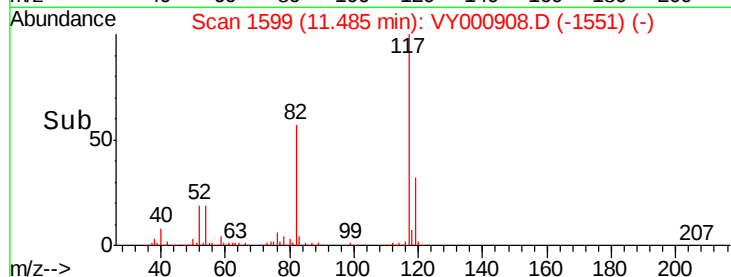
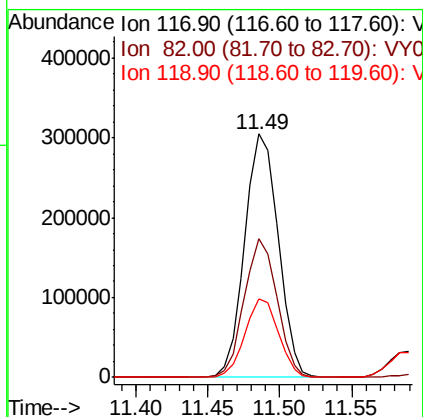
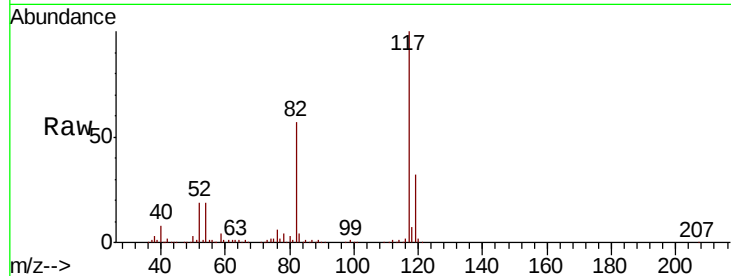




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

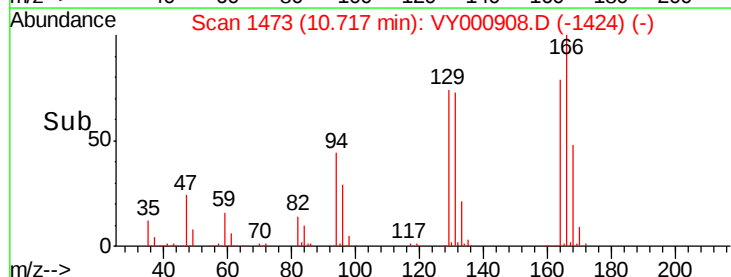
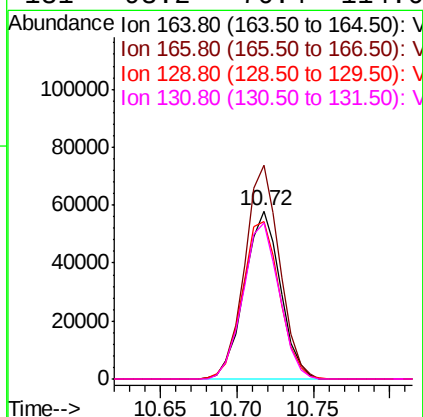
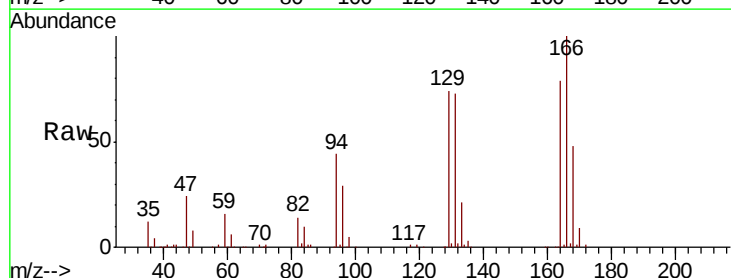
Instrument :
MSVOA_Y
ClientSampleId :

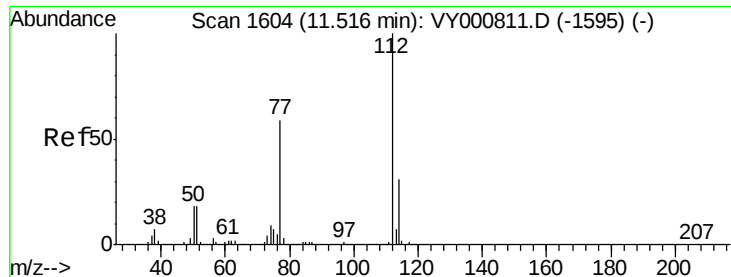
Tot Ion:117 Resp: 492028
Ion Ratio Lower Upper
117 100
82 57.0 43.1 64.7
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 22.108 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion:164 Resp: 94509
Ion Ratio Lower Upper
164 100
166 127.1 101.8 152.8
129 93.9 79.3 118.9
131 93.2 76.4 114.6

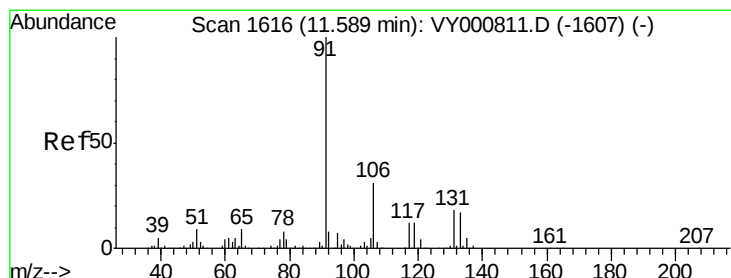
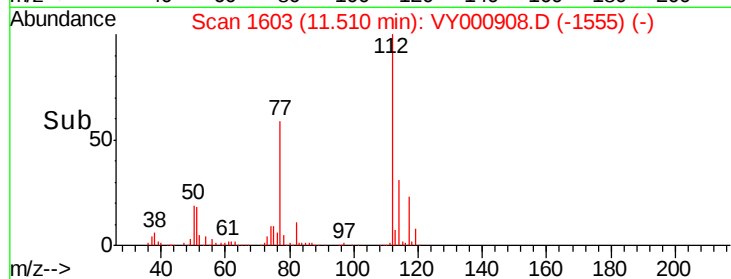
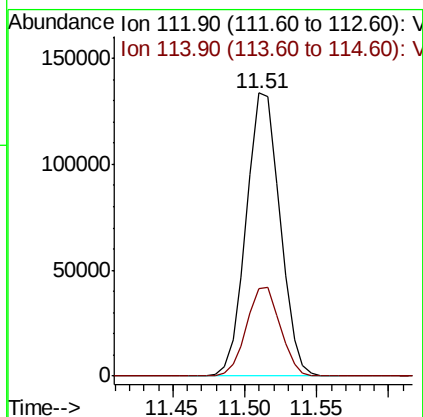
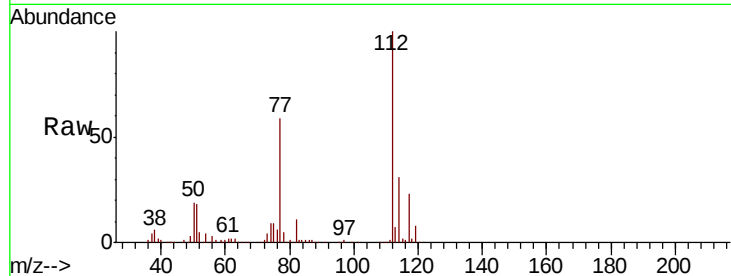




#65
Chlorobenzene
Concen: 21.165 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

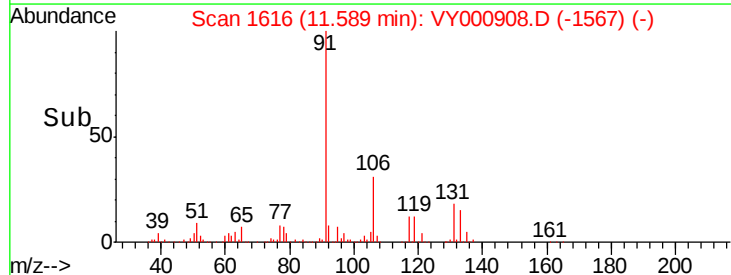
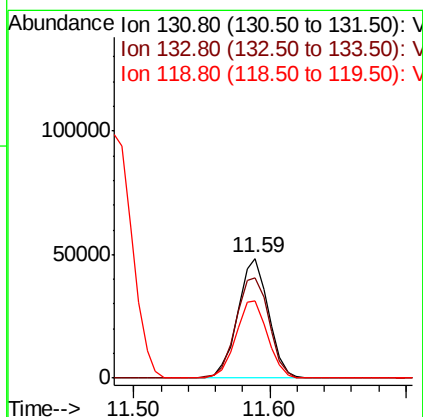
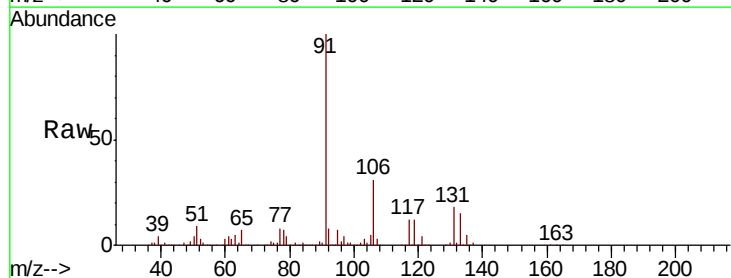
Instrument :
MSVOA_Y
ClientSampleId :

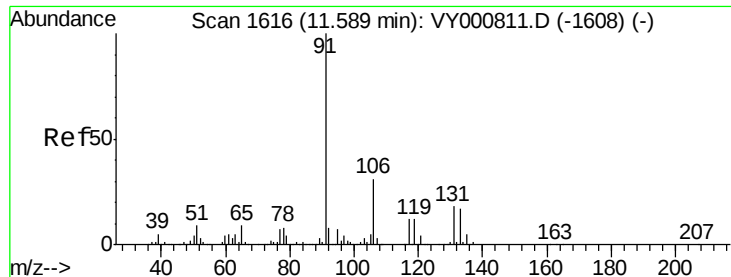
Tot Ion:112 Resp: 216463
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.060 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion:131 Resp: 76033
Ion Ratio Lower Upper
131 100
133 90.5 47.4 142.2
119 66.7 33.8 101.3





#67

Ethyl Benzene

Concen: 21.154 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

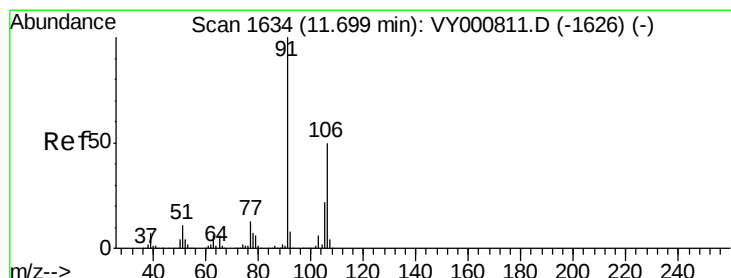
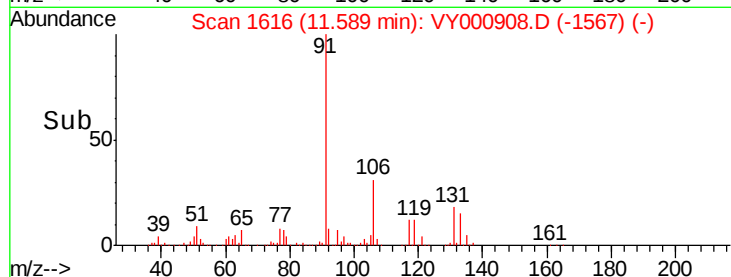
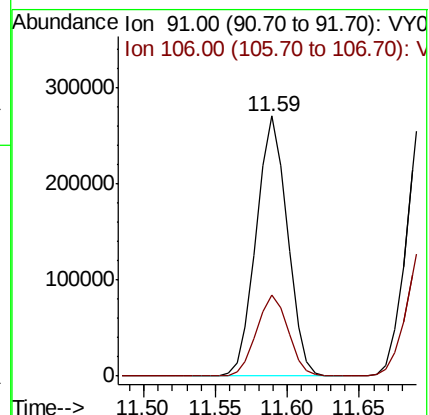
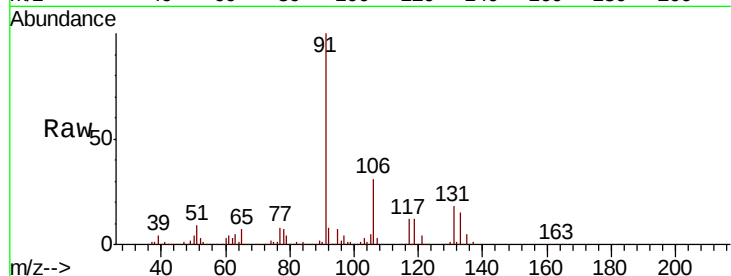
ClientSampleId :

Tot Ion: 91 Resp: 402926

Ion Ratio Lower Upper

91 100

106 31.2 24.4 36.6



#68

m/p-Xylenes

Concen: 42.888 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000908.D

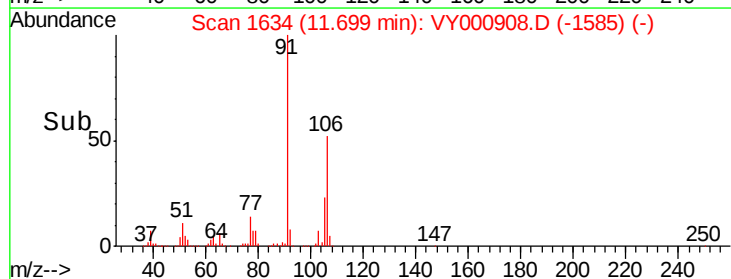
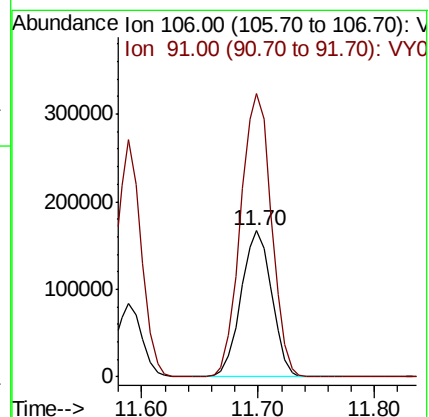
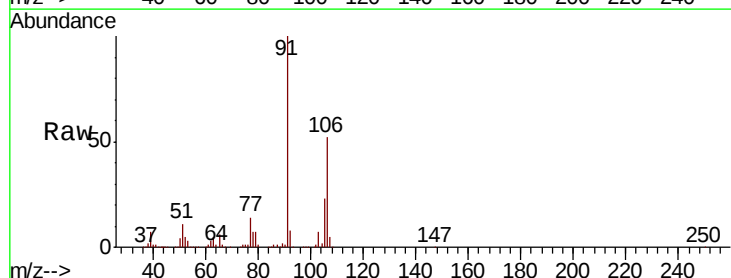
Acq: 09 Dec 2019 12:09

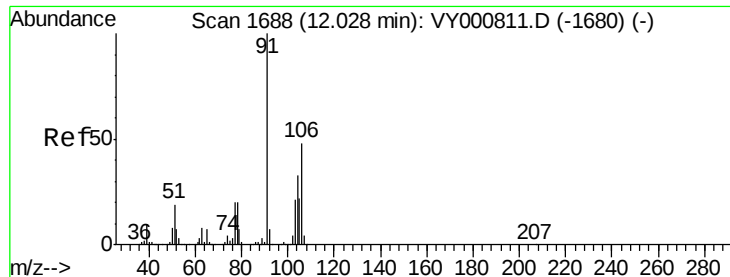
Tgt Ion: 106 Resp: 306623

Ion Ratio Lower Upper

106 100

91 195.3 159.6 239.4

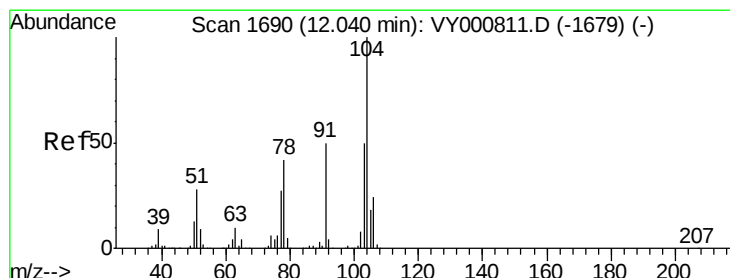
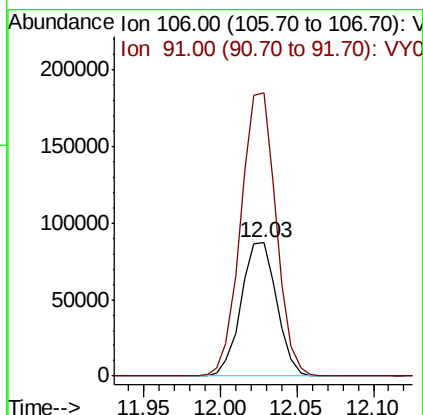
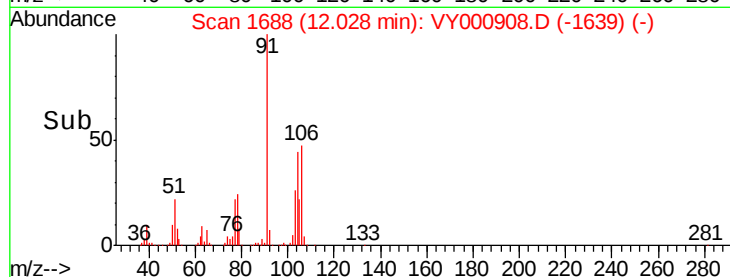
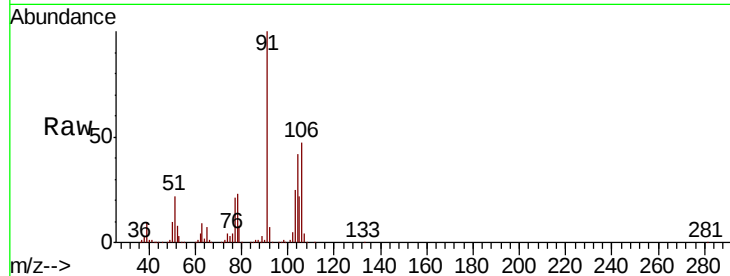




#69
o-Xylene
Concen: 21.158 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

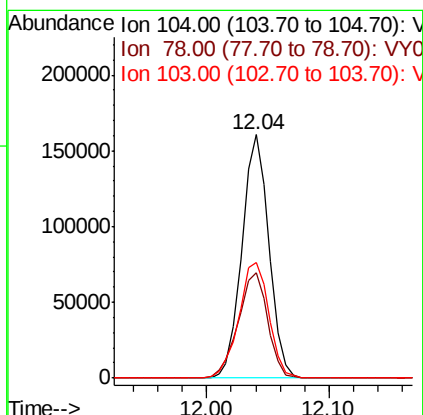
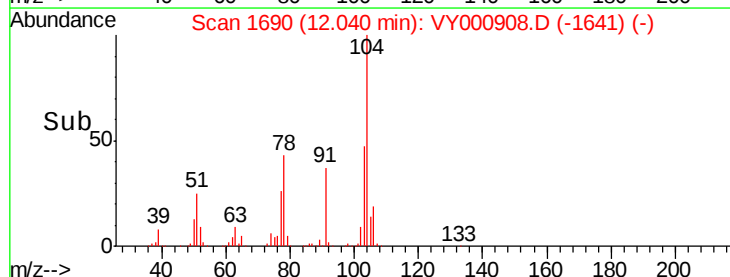
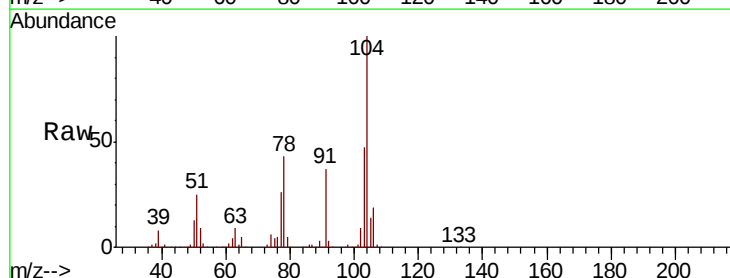
Instrument :
MSVOA_Y
ClientSampleId :

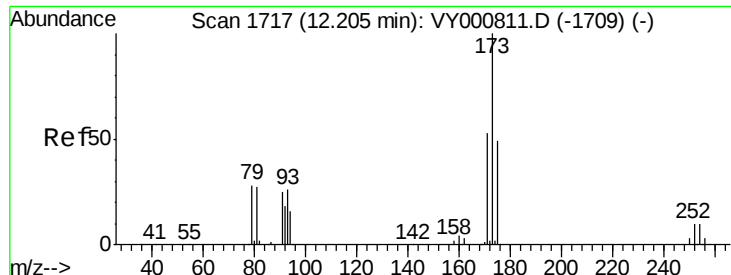
Tot Ion:106 Resp: 141038
Ion Ratio Lower Upper
106 100
91 210.0 106.1 318.1



#70
Styrene
Concen: 21.456 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion:104 Resp: 244905
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 53.2 43.4 65.0





#71

Bromoform

Concen: 21.040 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

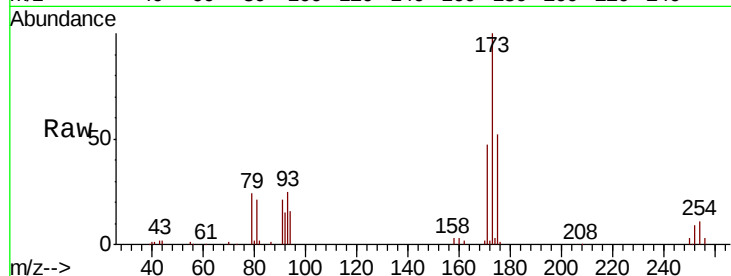
Tot Ion:173 Resp: 40901

Ion Ratio Lower Upper

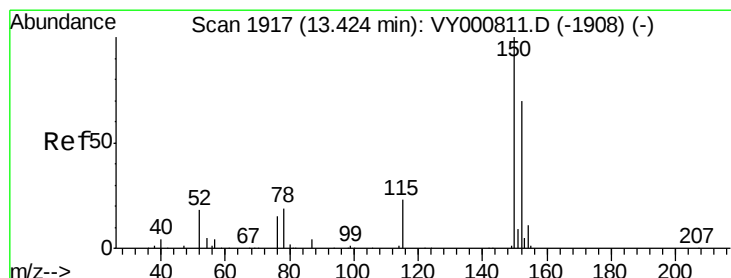
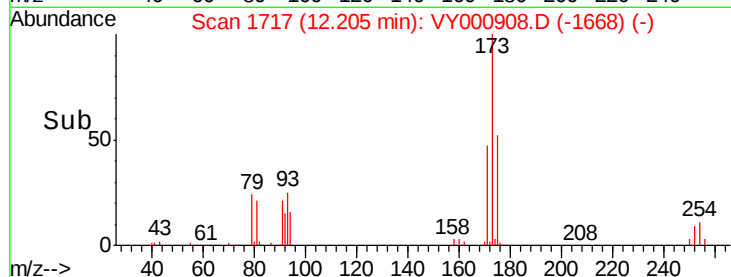
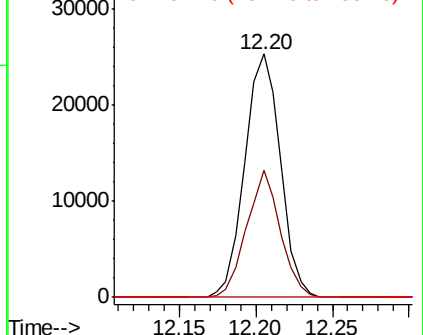
173 100

175 49.4 24.5 73.5

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# 1917

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

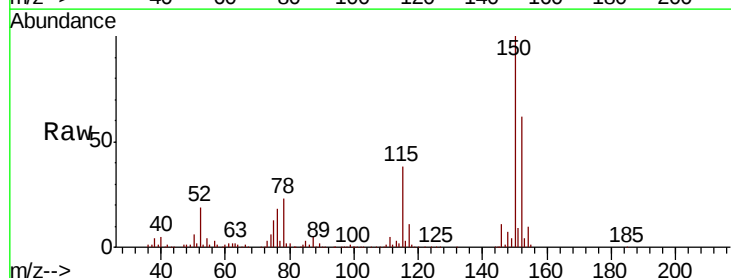
Tgt Ion:152 Resp: 230813

Ion Ratio Lower Upper

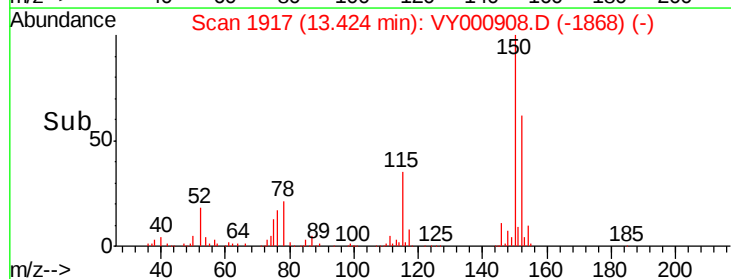
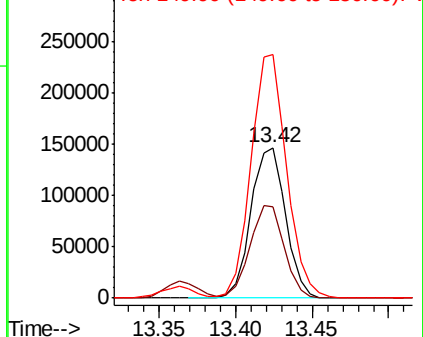
152 100

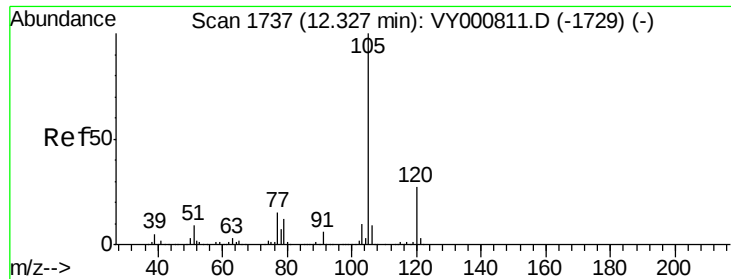
115 60.9 29.3 87.8

150 167.0 0.0 351.2



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: 20.706 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

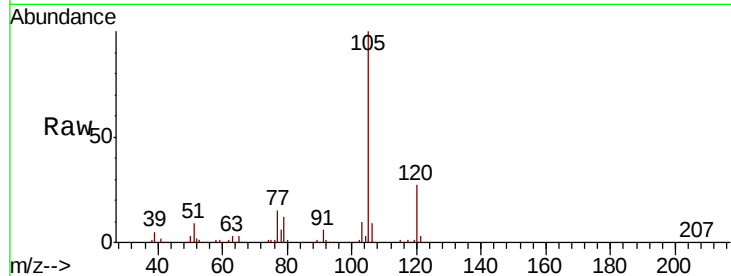
ClientSampled :

Tot Ion:105 Resp: 380537

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

250000

200000

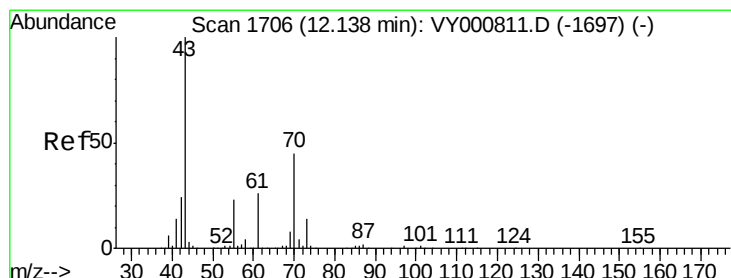
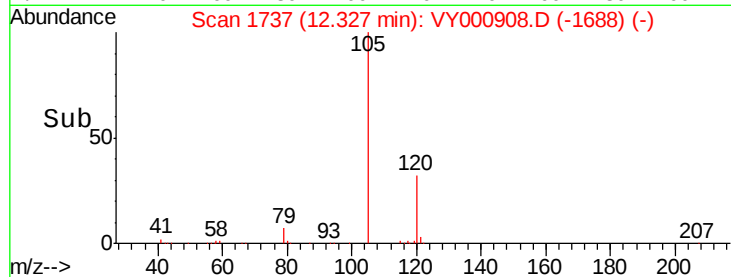
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.989 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Tgt Ion: 43 Resp: 102248

Ion Ratio Lower Upper

43 100

70 45.7 36.6 54.8

55 23.4 18.8 28.2

61 26.1 21.0 31.6

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

100000

80000

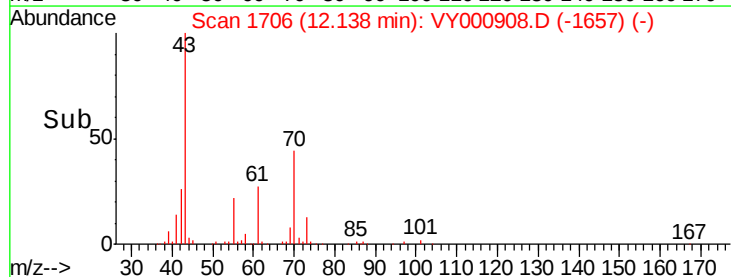
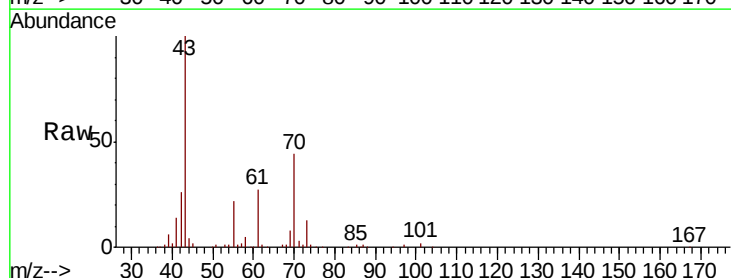
60000

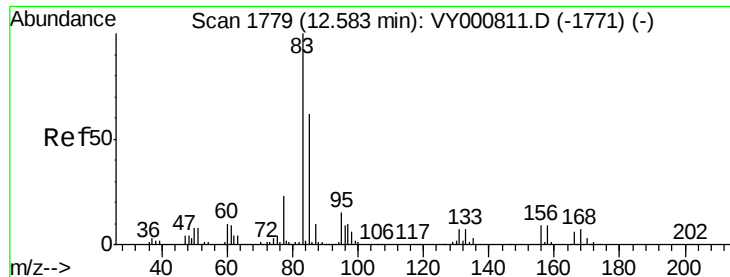
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.132 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

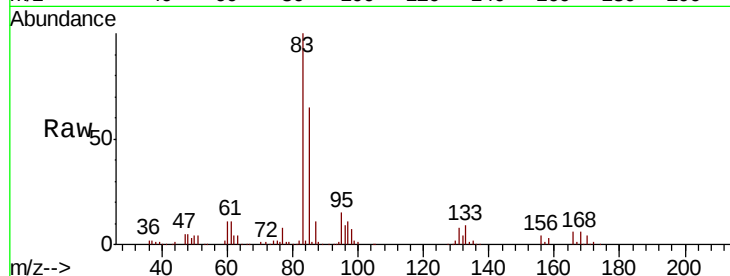
Tot Ion: 83 Resp: 72900

Ion Ratio Lower Upper

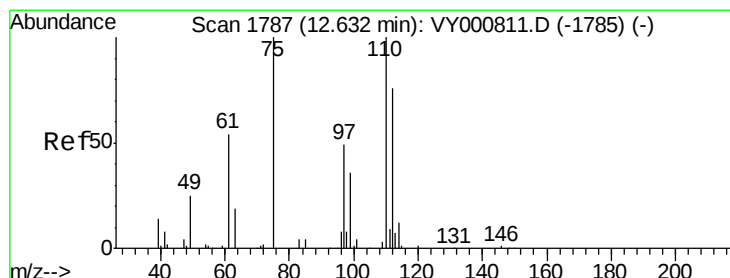
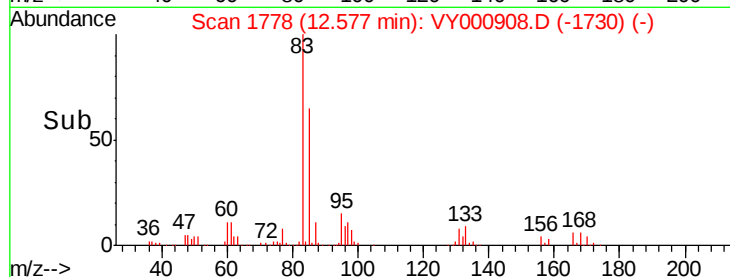
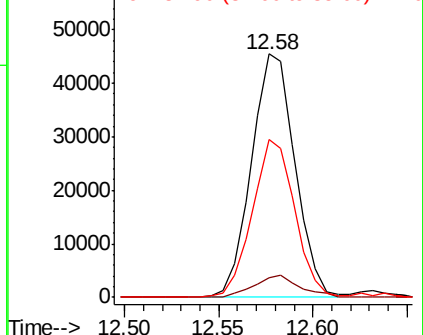
83 100

131 9.5 4.3 13.1

85 63.1 32.4 97.0



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: 39.542 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. -0.01 min

Lab File: VY000908.D

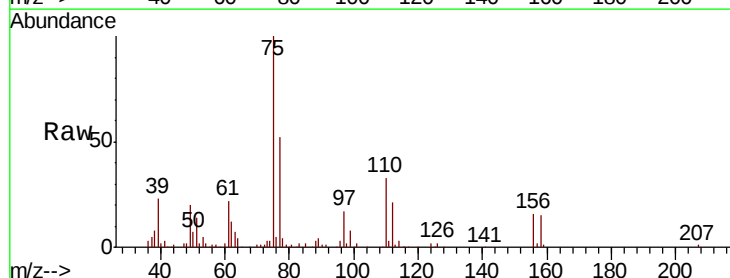
Acq: 09 Dec 2019 12:09

Tgt Ion: 75 Resp: 103407

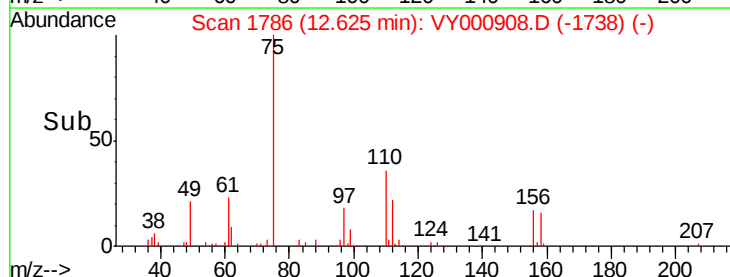
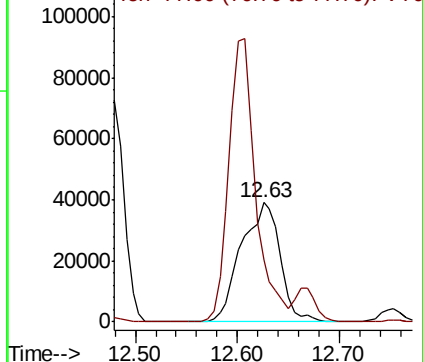
Ion Ratio Lower Upper

75 100

77 163.0 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: 20.653 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

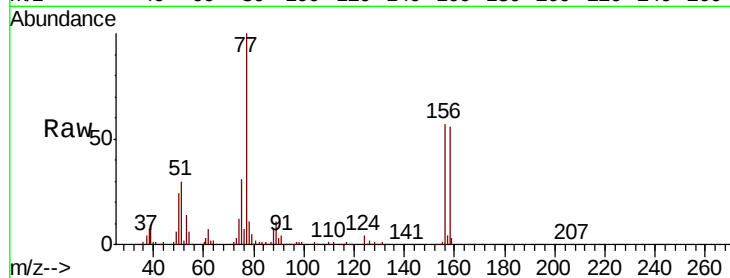
Tot Ion:156 Resp: 82273

Ion Ratio Lower Upper

156 100

77 204.9 102.6 307.7

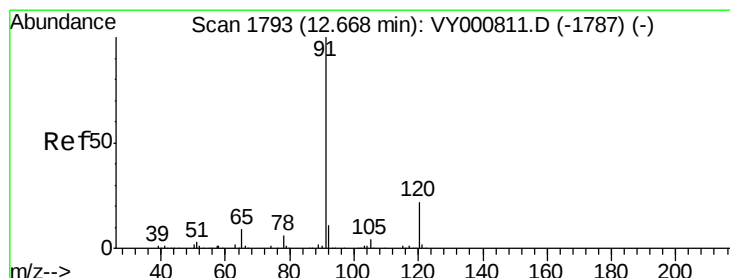
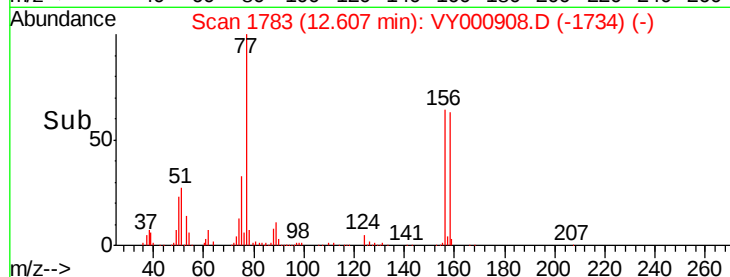
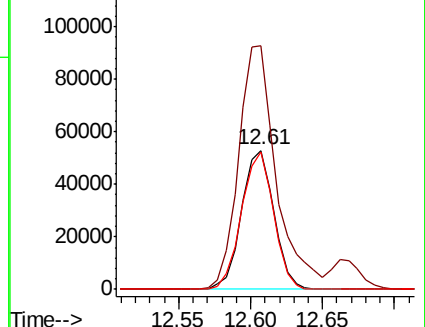
158 97.6 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.799 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000908.D

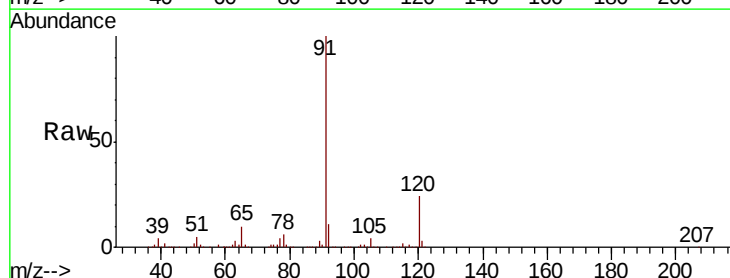
Acq: 09 Dec 2019 12:09

Tgt Ion: 91 Resp: 466731

Ion Ratio Lower Upper

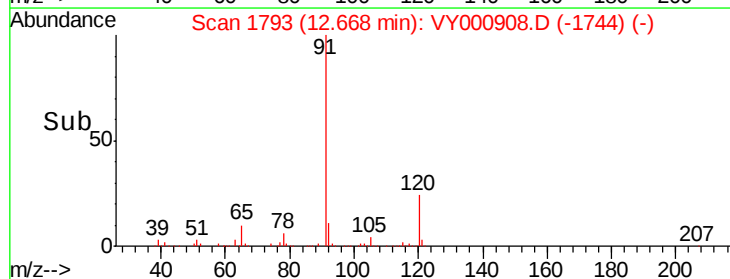
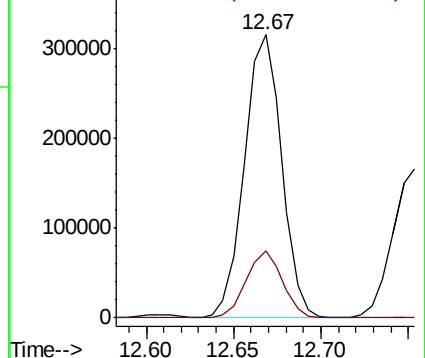
91 100

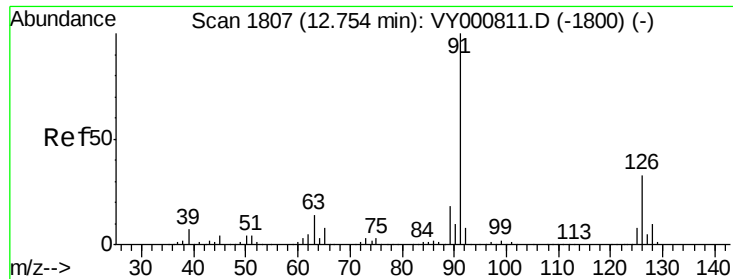
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.679 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

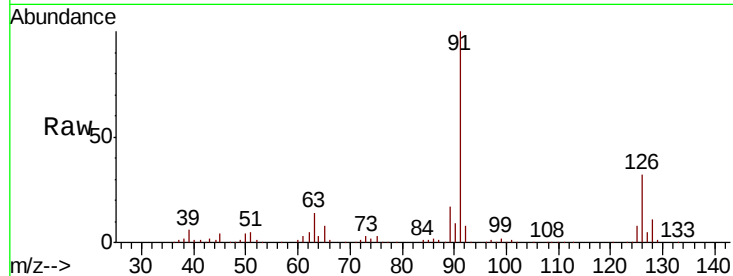
ClientSampled :

Tot Ion: 91 Resp: 256353

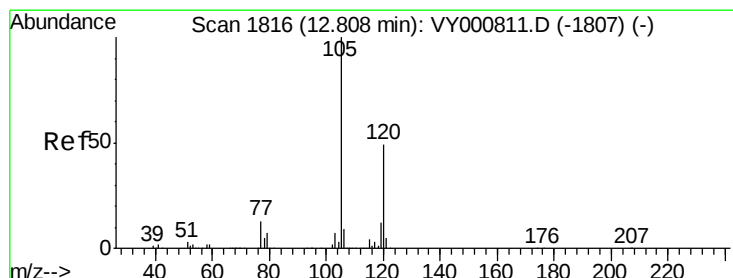
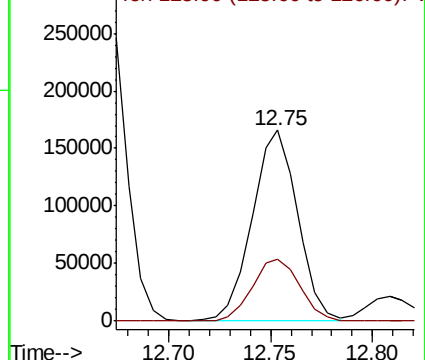
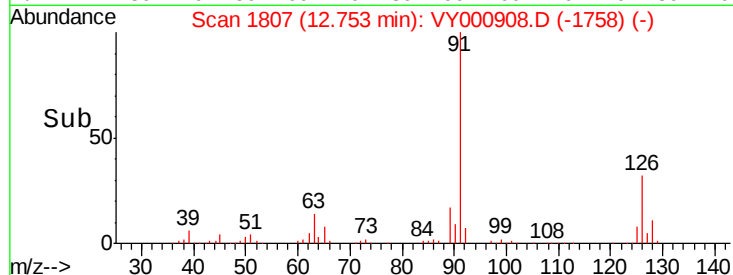
Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY000908.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.603 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000908.D

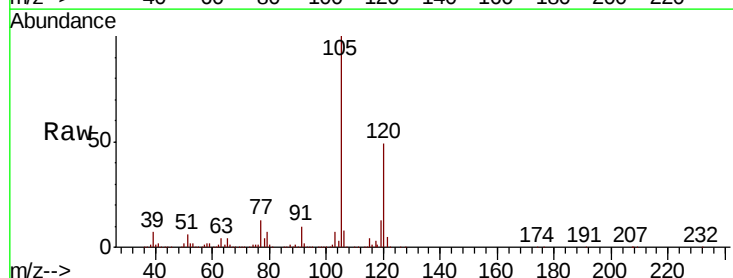
Acq: 09 Dec 2019 12:09

Tgt Ion: 105 Resp: 313506

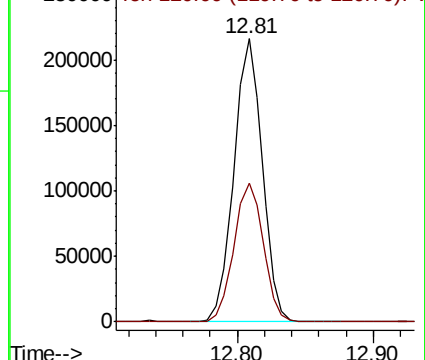
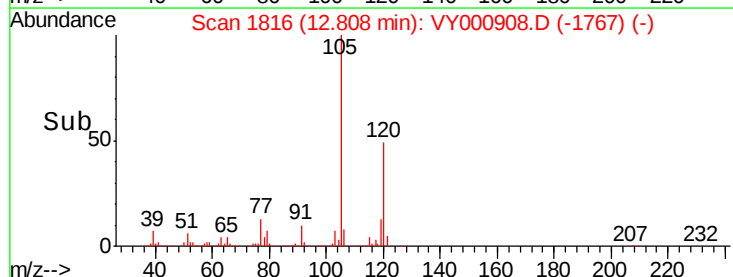
Ion Ratio Lower Upper

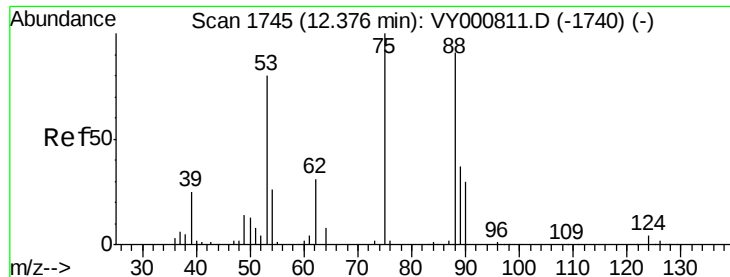
105 100

120 50.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000908.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.588 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

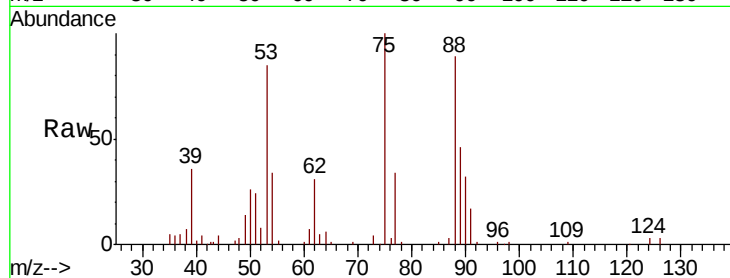
Tot Ion: 75 Resp: 27409

Ion Ratio Lower Upper

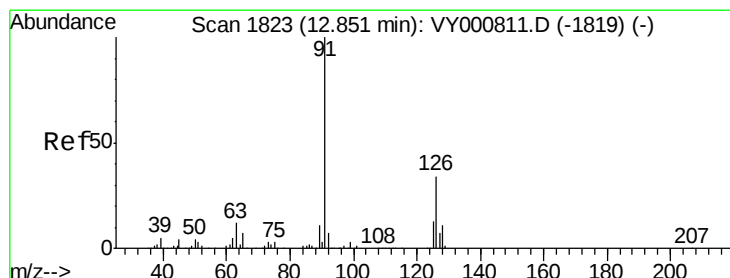
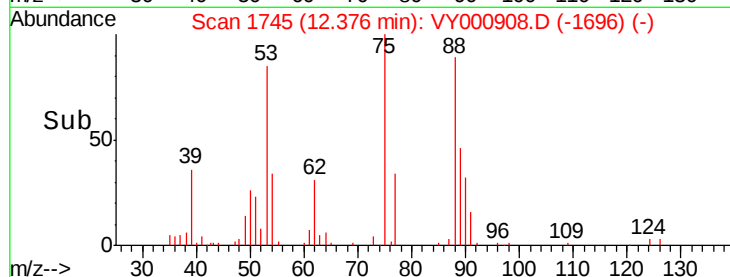
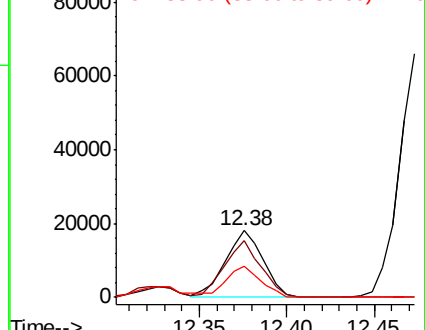
75 100

53 82.1 64.6 96.8

89 42.5 33.6 50.4



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: 21.007 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000908.D

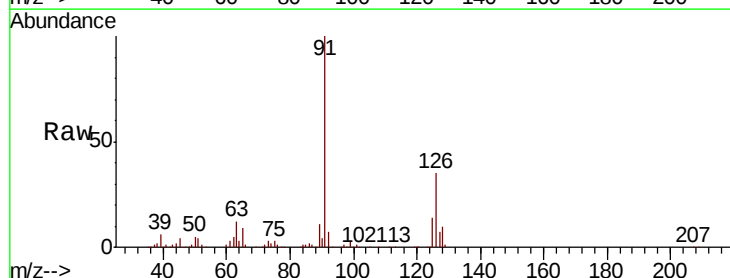
Acq: 09 Dec 2019 12:09

Tgt Ion: 91 Resp: 268306

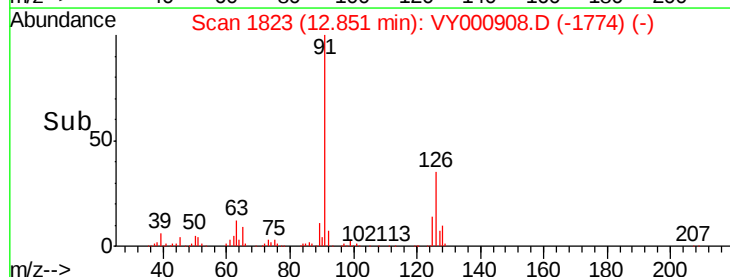
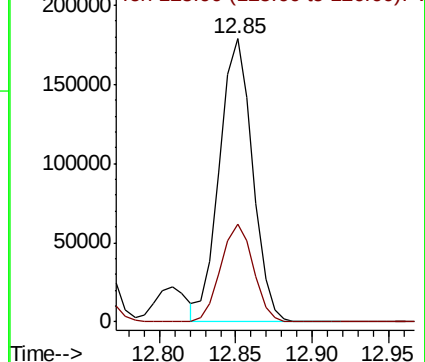
Ion Ratio Lower Upper

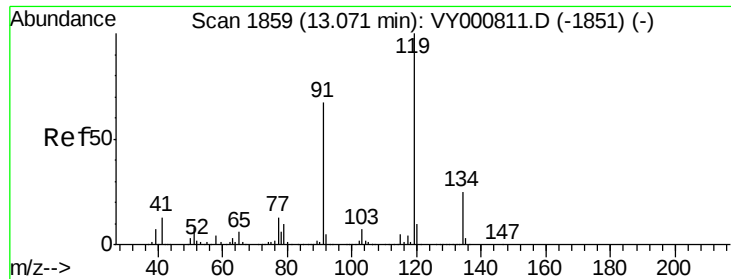
91 100

126 34.4 17.3 51.9



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

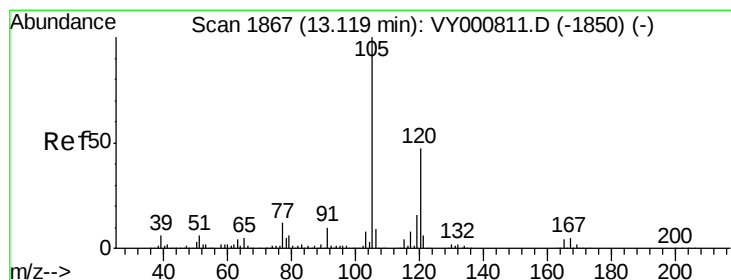
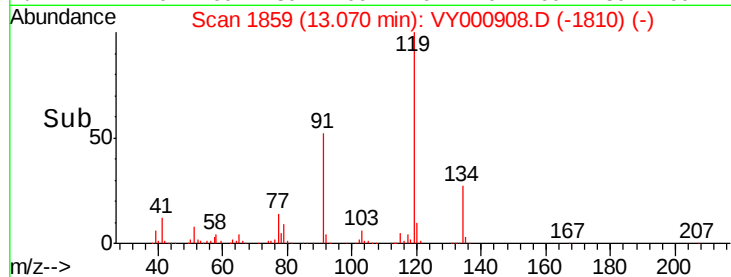
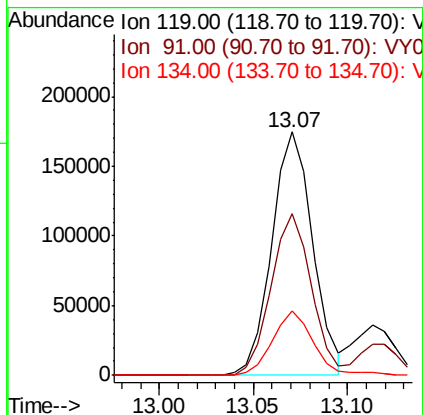
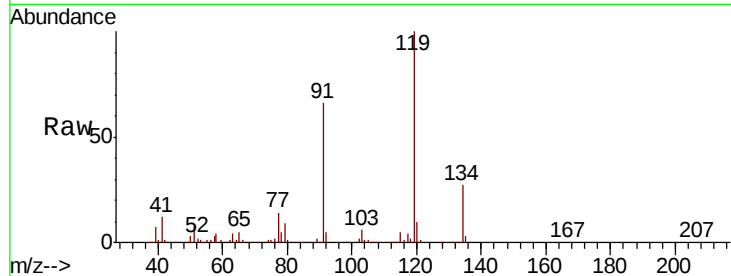




#83
 tert-Butylbenzene
 Concen: 20.556 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

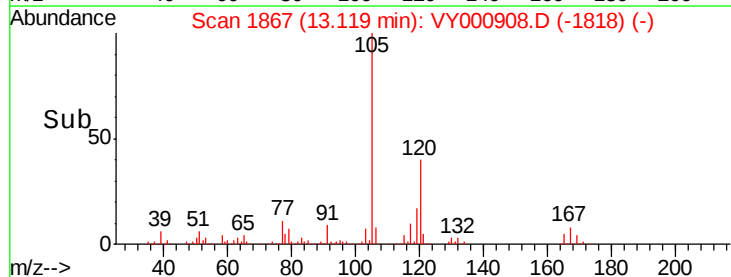
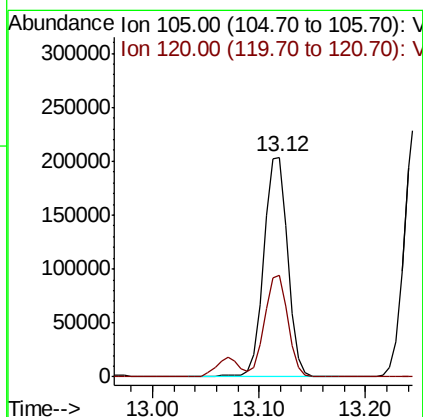
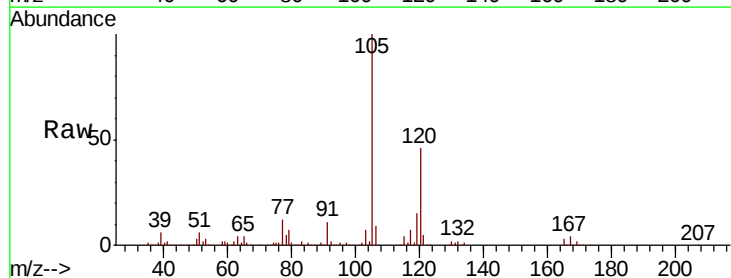
Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:119 Resp: 262982
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.3 96.8
 134 26.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.064 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion:105 Resp: 320672
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8





#85

sec-Butylbenzene

Concen: 21.160 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

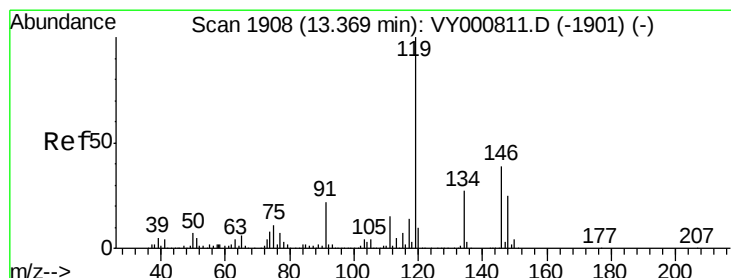
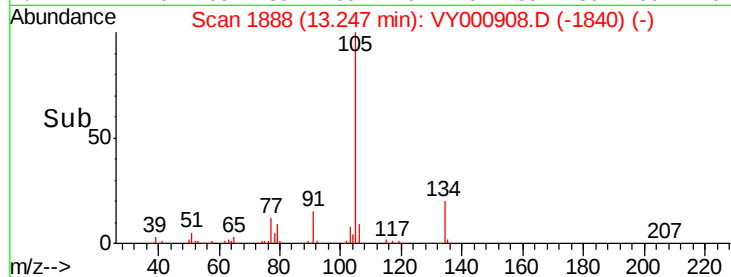
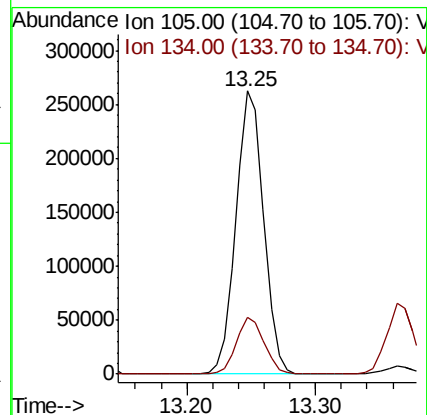
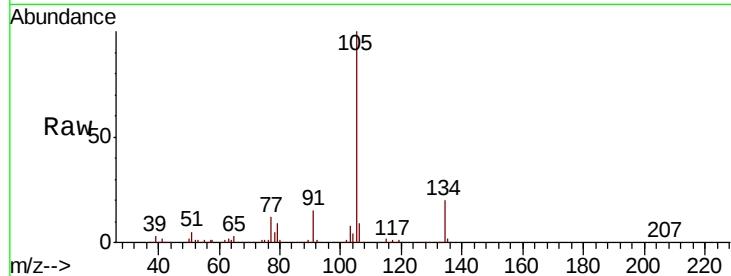
ClientSampled :

Tot Ion:105 Resp: 393704

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 21.270 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

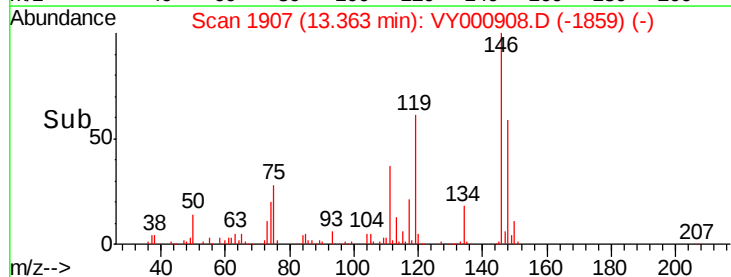
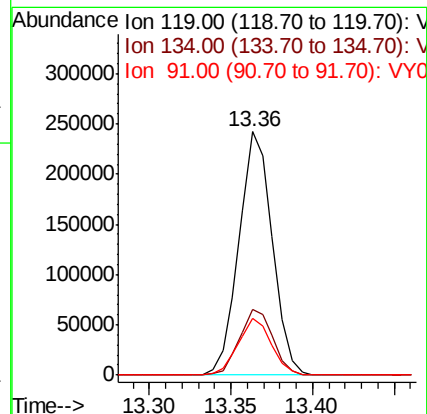
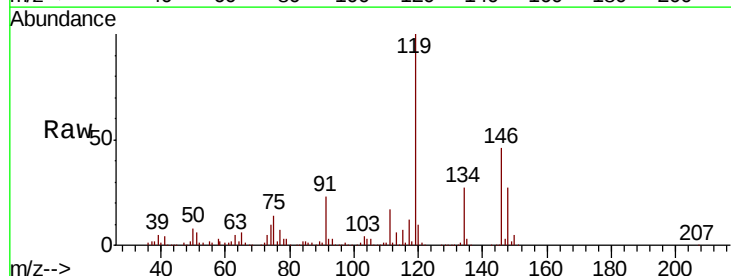
Tgt Ion:119 Resp: 344203

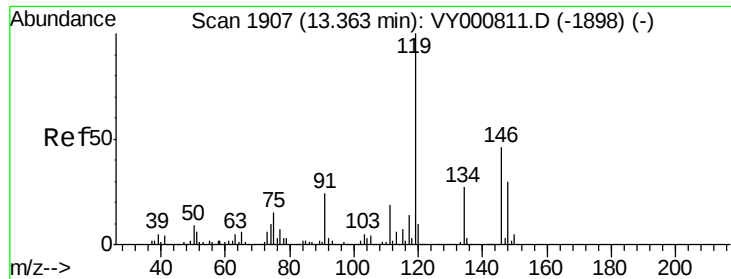
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 23.3 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 21.006 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

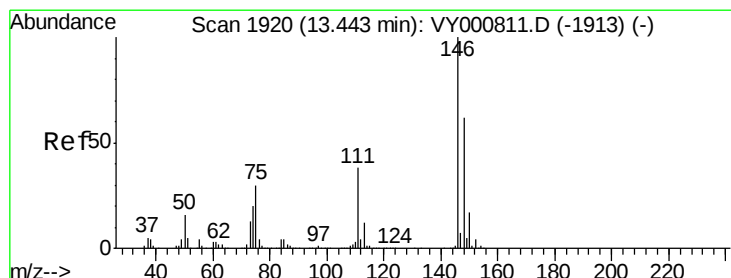
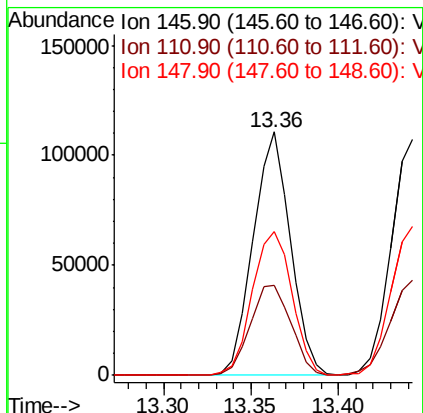
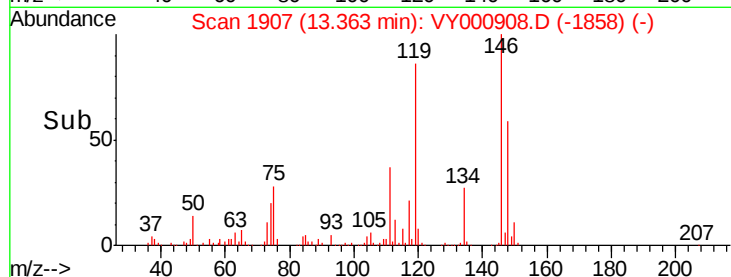
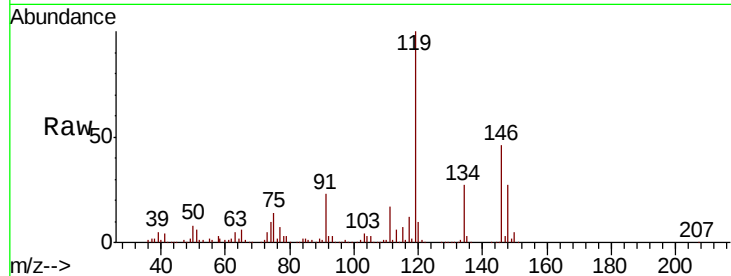
Tot Ion:146 Resp: 164158

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

148 63.0 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 21.259 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

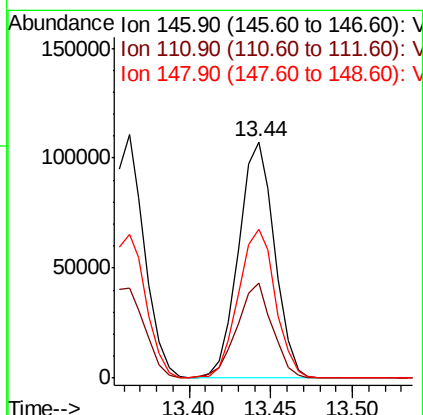
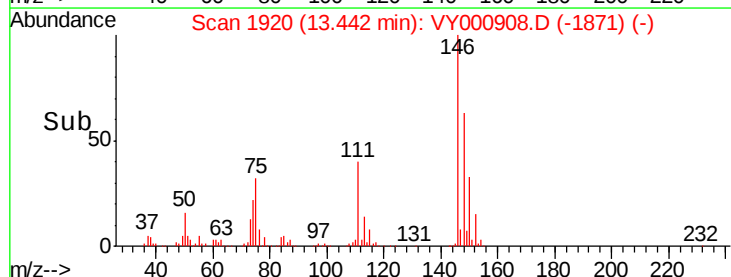
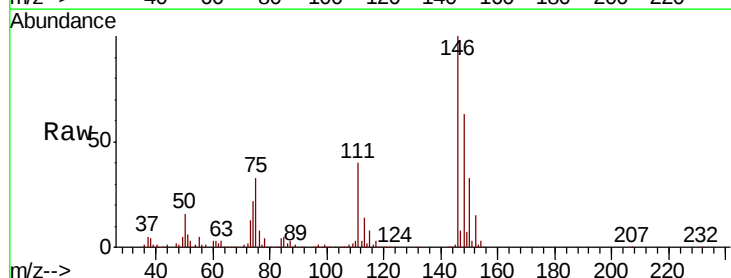
Tgt Ion:146 Resp: 164501

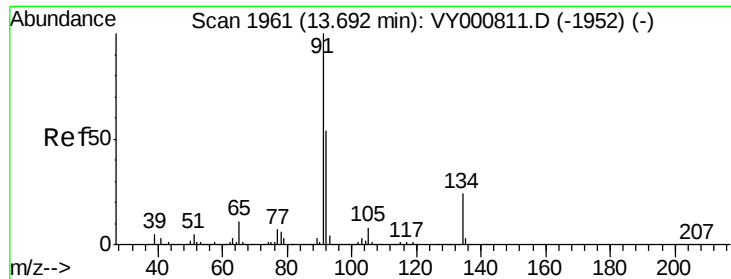
Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

148 65.1 31.7 95.1

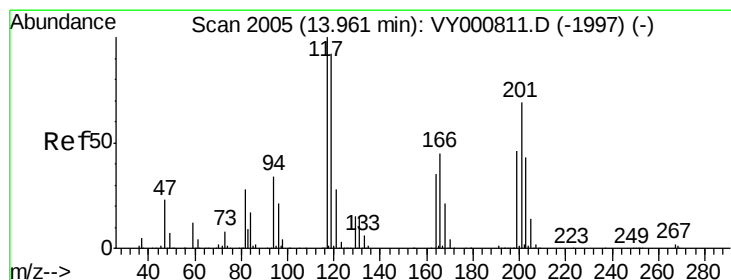
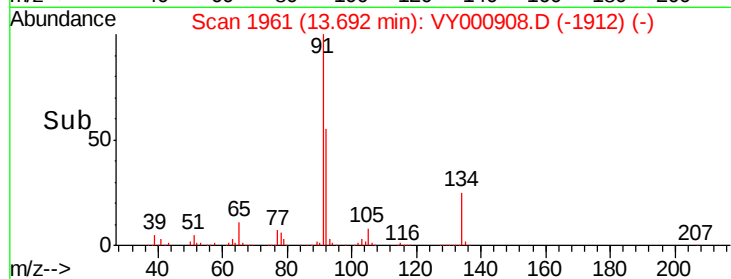
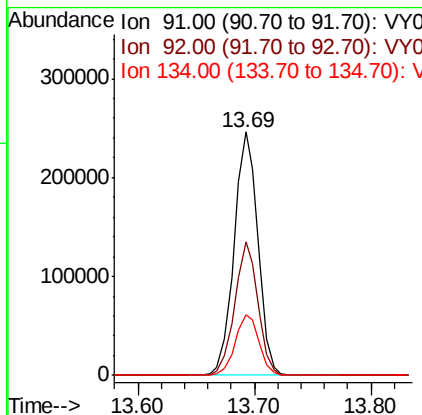
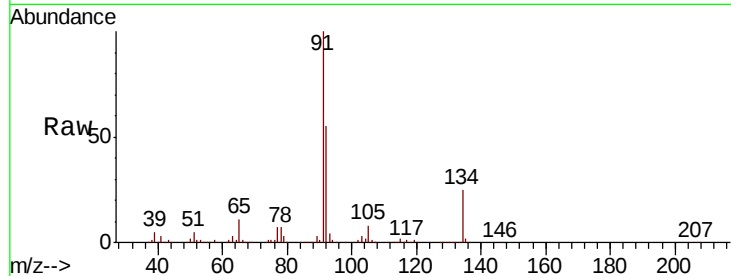




#89
n-Butylbenzene
Concen: 21.357 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

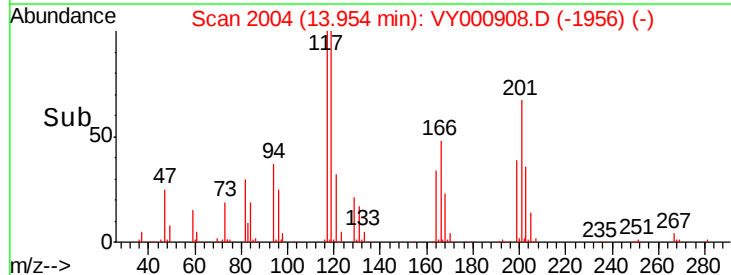
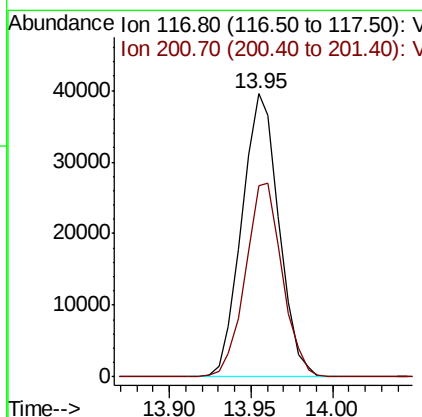
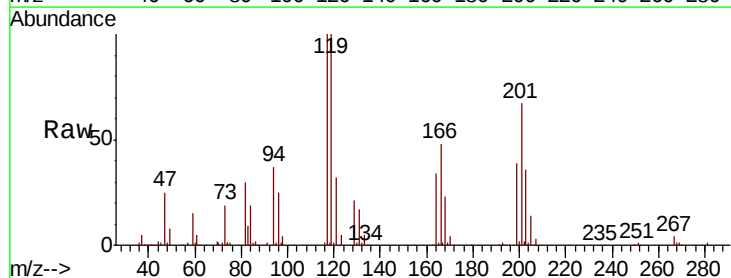
Instrument :
MSVOA_Y
ClientSampleId :

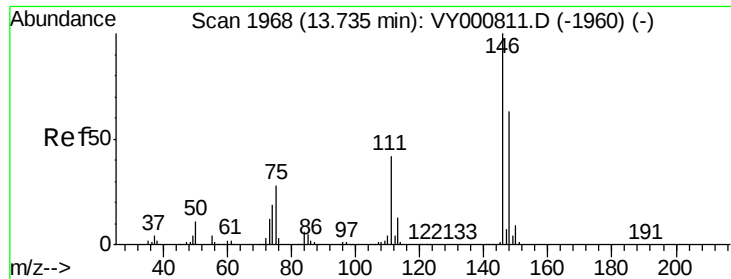
Tot Ion: 91 Resp: 349433
Ion Ratio Lower Upper
91 100
92 53.2 26.9 80.7
134 24.9 12.6 37.6



#90
Hexachloroethane
Concen: 21.011 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion: 117 Resp: 62636
Ion Ratio Lower Upper
117 100
201 67.9 34.0 102.0





#91

1,2-Dichlorobenzene

Concen: 21.570 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

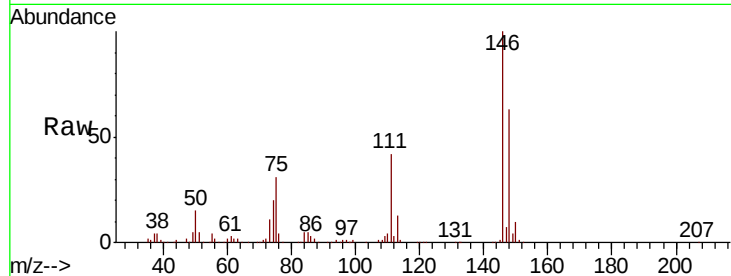
Tot Ion:146 Resp: 151624

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.7

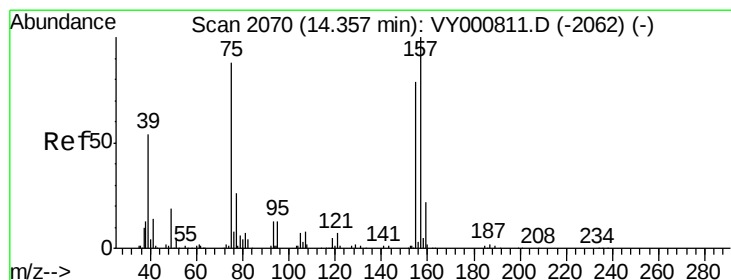
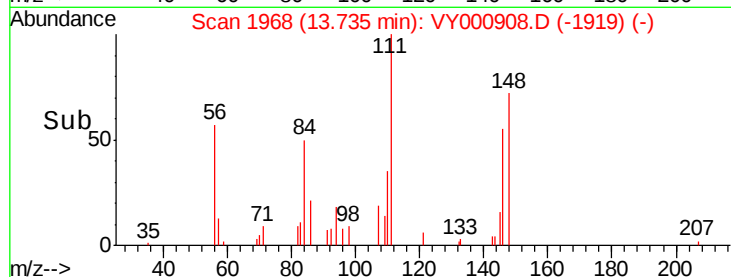
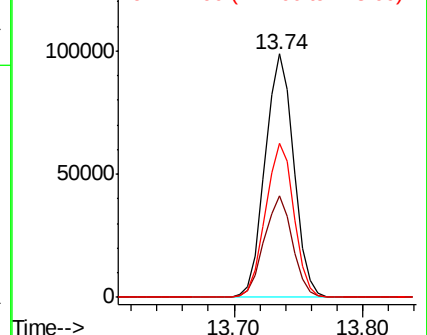
148 62.8 32.1 96.3



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: 22.496 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000908.D

Acq: 09 Dec 2019 12:09

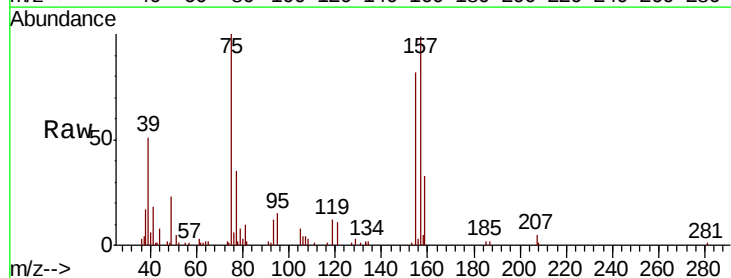
Tgt Ion: 75 Resp: 13638

Ion Ratio Lower Upper

75 100

155 77.0 44.3 132.9

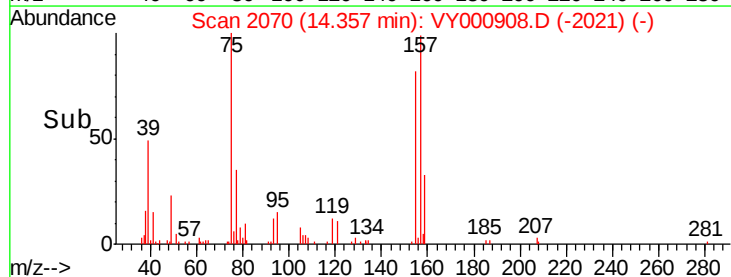
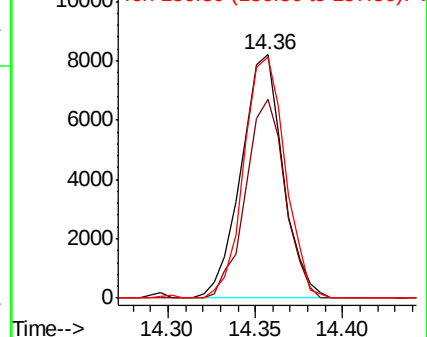
157 97.9 56.3 168.9



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

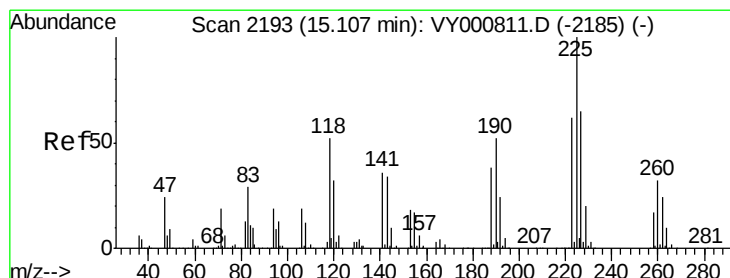
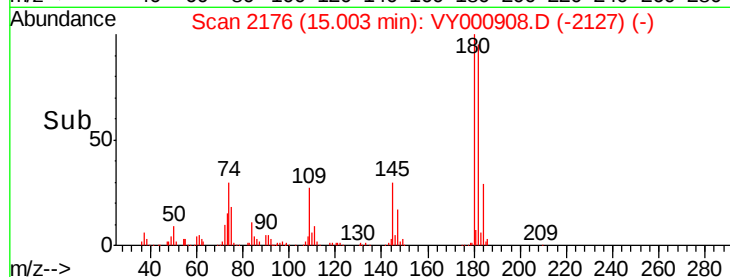
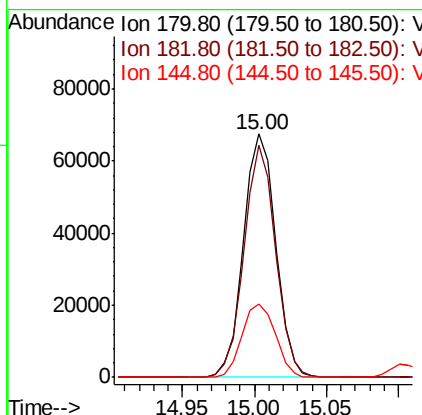
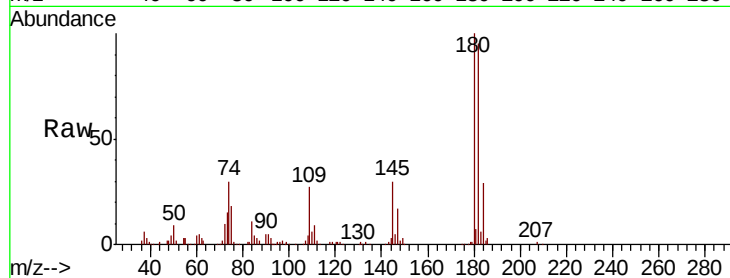




#93
 1,2,4-Trichlorobenzene
 Concen: 21.918 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

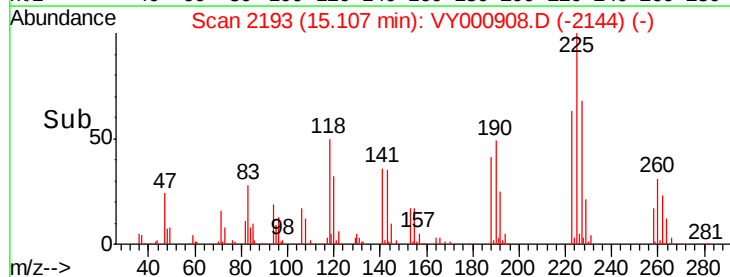
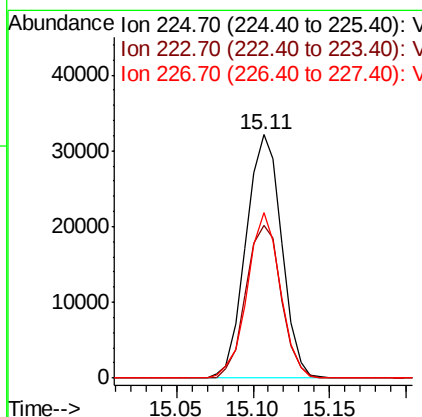
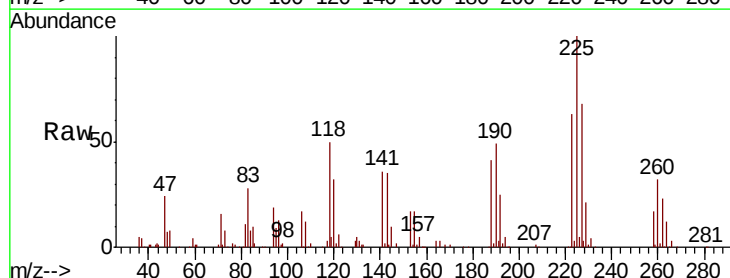
Instrument :
 MSVOA_Y
 ClientSampleId :

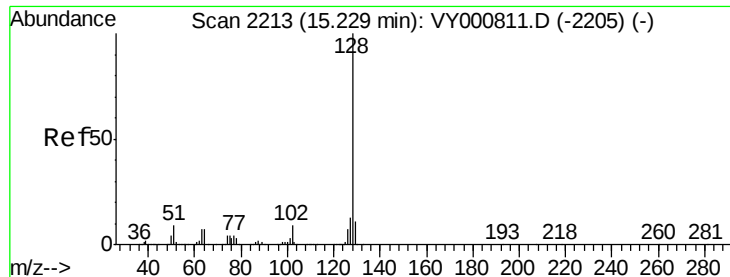
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.9
145	31.5	16.0	47.9



#94
 Hexachlorobutadiene
 Concen: 22.102 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000908.D
 Acq: 09 Dec 2019 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.3
227	62.8	31.8	95.3

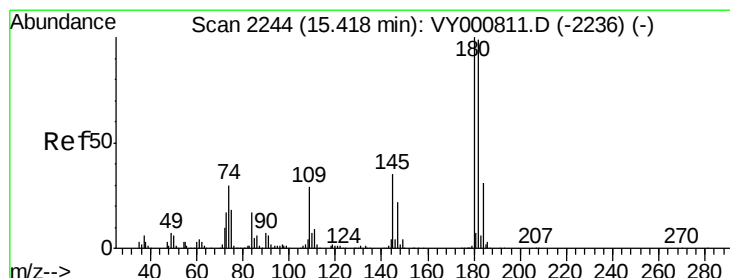
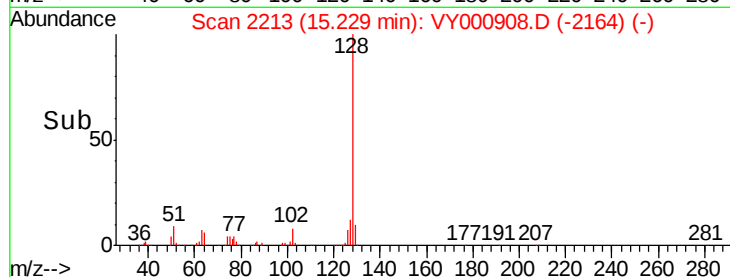
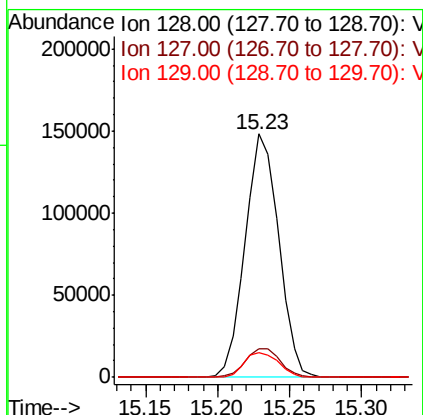
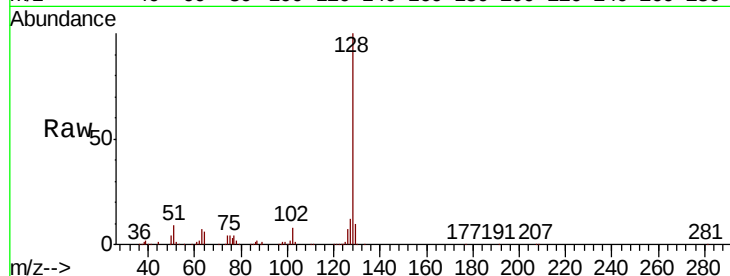




#95
Naphthalene
Concen: 21.670 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.5	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.204 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000908.D
Acq: 09 Dec 2019 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.0	144.0
145	32.2	16.9	50.6

