

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000099.D
 Acq On : 20 Sep 2019 11:43
 Operator : SY/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	101934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	199860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	177815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	60745	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.73	113	58321	48.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.18	98	239386	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.48	95	85890	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	1331	Below Cal	99
3) Chloromethane	2.11	50	10544	4.885 ug/l #	87
4) Vinyl Chloride	2.25	62	9217	8.104 ug/l	97
5) Bromomethane	2.62	94	9171	10.921 ug/l	99
6) Chloroethane	2.78	64	10894	14.289 ug/l	92
7) Trichlorofluoromethane	3.12	101	23142	14.715 ug/l	91
8) Diethyl Ether	3.53	74	12117	17.995 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20267	18.785 ug/l	94
10) Methyl Iodide	4.09	142	16561	14.760 ug/l	97
11) Tert butyl alcohol	4.98	59	15246	109.658 ug/l	97
12) 1,1-Dichloroethene	3.87	96	16553	16.643 ug/l	98
13) Acrolein	3.73	56	8243	97.921 ug/l	99
14) Allyl chloride	4.48	41	28184	18.541 ug/l	98
15) Acrylonitrile	5.17	53	41259	102.182 ug/l	95
16) Acetone	3.95	43	24269	88.879 ug/l	98
17) Carbon Disulfide	4.18	76	26171	12.167 ug/l	99
18) Methyl Acetate	4.48	43	16958	18.589 ug/l	94
19) Methyl tert-butyl Ether	5.23	73	65703	21.139 ug/l	96
20) Methylene Chloride	4.71	84	26499	20.629 ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	20616	18.647 ug/l	94
22) Diisopropyl ether	6.13	45	71347	20.774 ug/l	90
23) Vinyl Acetate	6.07	43	233650	101.647 ug/l	100
24) 1,1-Dichloroethane	6.01	63	40323	19.836 ug/l	96
25) 2-Butanone	6.99	43	47087	95.207 ug/l	99
26) 2,2-Dichloropropane	6.99	77	39762	20.727 ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	28913	20.655 ug/l	97
28) Bromochloromethane	7.34	49	18185	19.299 ug/l	92
29) Tetrahydrofuran	7.35	42	29841	100.506 ug/l	98
30) Chloroform	7.51	83	45175	21.534 ug/l	100
31) Cyclohexane	7.79	56	30433	18.229 ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	34869	20.464 ug/l	99
36) 1,1-Dichloropropene	7.92	75	28561	19.112 ug/l	96
37) Ethyl Acetate	7.09	43	20594	20.674 ug/l	99
38) Carbon Tetrachloride	7.90	117	27205	19.288 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	34586	18.822	ug/l	92
40) Benzene	8.16	78	95220	19.292	ug/l	92
41) Methacrylonitrile	7.34	41	26451	37.456	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	27509	21.041	ug/l	98
43) Isopropyl Acetate	8.28	43	39499	20.275	ug/l	99
44) Trichloroethene	8.94	130	24678	19.571	ug/l	78
45) 1,2-Dichloropropane	9.21	63	26156	20.457	ug/l	92
46) Dibromomethane	9.31	93	14326	20.513	ug/l	97
47) Bromodichloromethane	9.50	83	35444	20.915	ug/l	98
48) Methyl methacrylate	9.29	41	16502	19.261	ug/l	94
49) 1,4-Dioxane	9.31	88	5240	386.443	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	108023	101.558	ug/l	97
52) Toluene	10.24	92	62595	19.961	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	36635	20.388	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41910	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	22741	20.770	ug/l	97
56) Ethyl methacrylate	10.51	69	32054	20.573	ug/l	96
57) 1,3-Dichloropropane	10.79	76	38565	20.968	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	82041	97.409	ug/l	100
59) 2-Hexanone	10.84	43	73946	97.448	ug/l	96
60) Dibromochloromethane	10.99	129	23534	20.517	ug/l	95
61) 1,2-Dibromoethane	11.09	107	19883	19.881	ug/l	98
64) Tetrachloroethene	10.72	164	22644	20.290	ug/l	94
65) Chlorobenzene	11.51	112	71914	20.446	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	25034	21.051	ug/l	97
67) Ethyl Benzene	11.59	91	123128	19.616	ug/l	97
68) m/p-Xylenes	11.70	106	94618	39.615	ug/l	97
69) o-Xylene	12.02	106	46759	20.219	ug/l	97
70) Styrene	12.04	104	83709	20.618	ug/l	98
71) Bromoform	12.21	173	13986	20.315	ug/l #	98
73) Isopropylbenzene	12.33	105	123028	20.019	ug/l	99
74) N-amyl acetate	12.14	43	35198	20.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	28031	19.377	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	37606	35.050	ug/l #	100
77) Bromobenzene	12.61	156	26493	20.645	ug/l	95
78) n-propylbenzene	12.67	91	150373	20.059	ug/l	99
79) 2-Chlorotoluene	12.76	91	83538	19.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	103063	20.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	10264	18.399	ug/l	97
82) 4-Chlorotoluene	12.85	91	89237	20.592	ug/l	97
83) tert-Butylbenzene	13.07	119	89232	20.488	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	104519	20.825	ug/l	99
85) sec-Butylbenzene	13.25	105	134166	20.850	ug/l	99
86) p-Isopropyltoluene	13.37	119	110928	20.338	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	53485	21.011	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	54131	21.162	ug/l	98
89) n-Butylbenzene	13.69	91	115488	20.582	ug/l	99
90) Hexachloroethane	13.96	117	22804	21.276	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	49611	20.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5183	20.123	ug/l	93

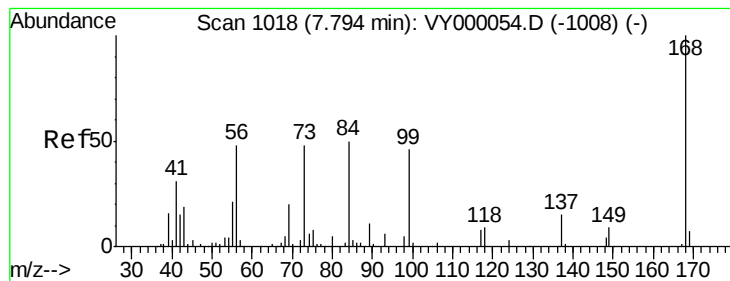
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32137	22.269	ug/l	98
94) Hexachlorobutadiene	15.11	225	14627	21.111	ug/l	96
95) Naphthalene	15.23	128	84231	20.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	27920	20.272	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

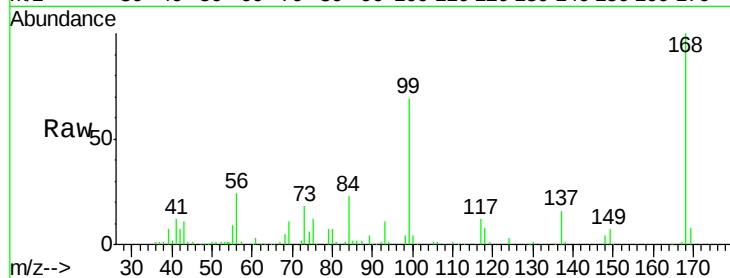
ClientSampleId :

Tot Ion:168 Resp: 101934

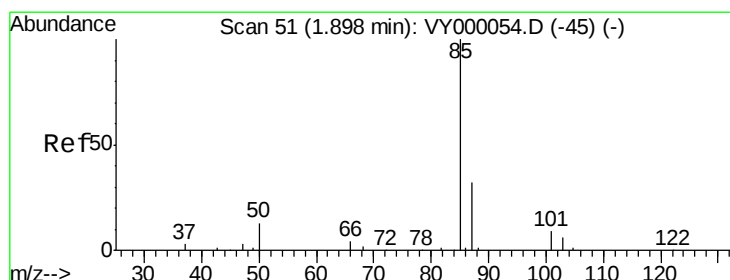
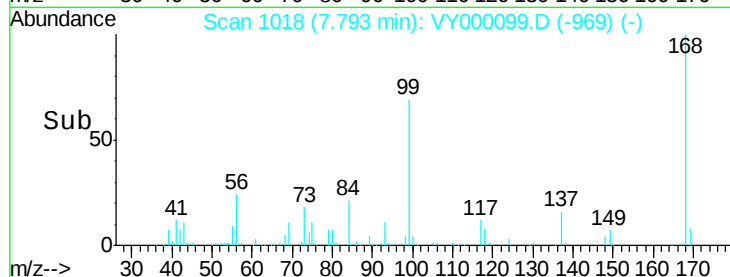
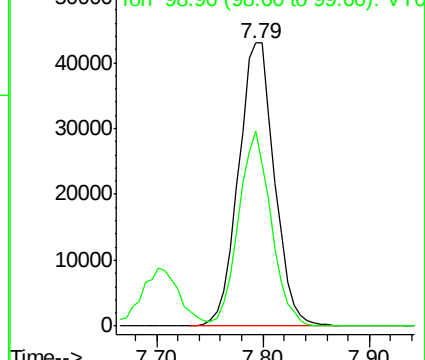
Ion Ratio Lower Upper

168 100

99 68.8 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000099.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000099.D

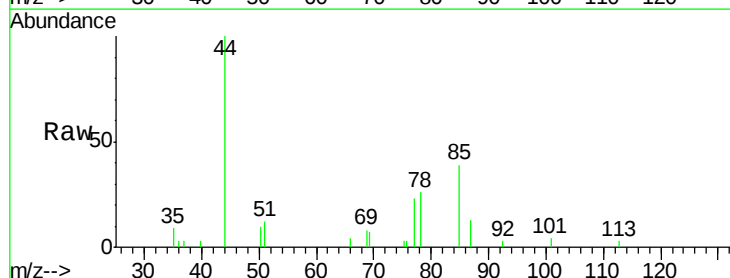
Acq: 20 Sep 2019 11:43

Tgt Ion: 85 Resp: 1331

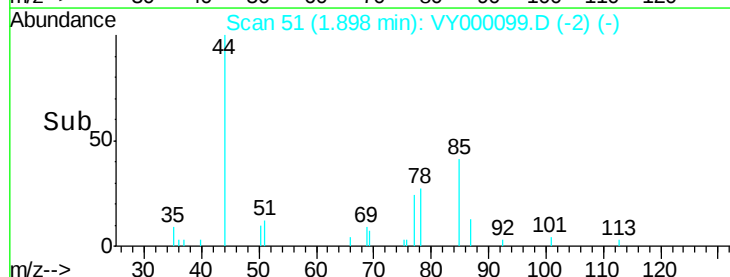
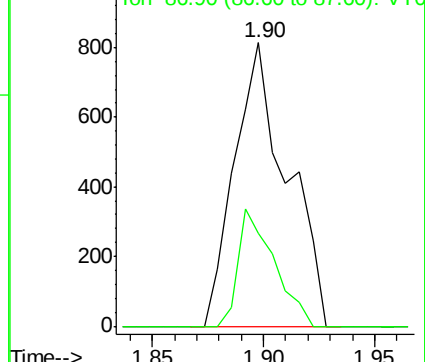
Ion Ratio Lower Upper

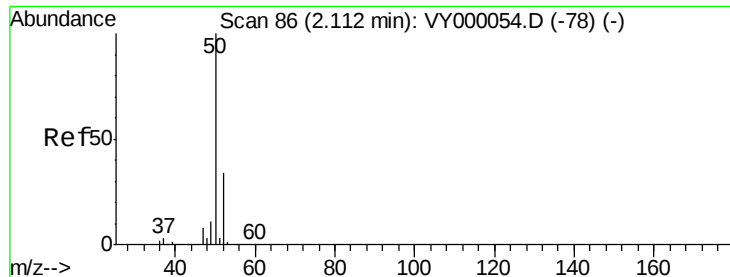
85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000099.D (-2) (-)





#3

Chloromethane

Concen: 4.885 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

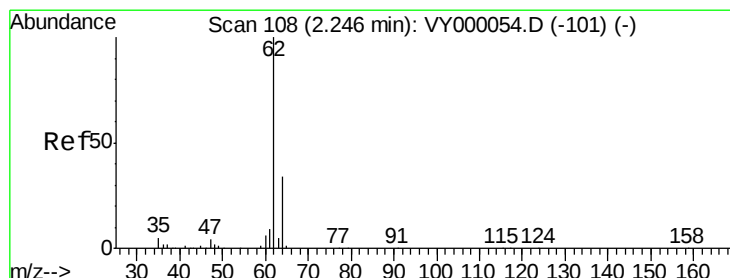
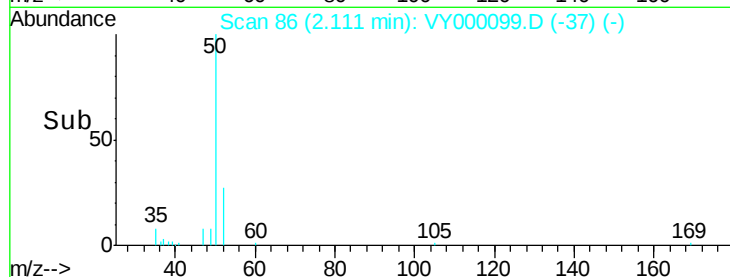
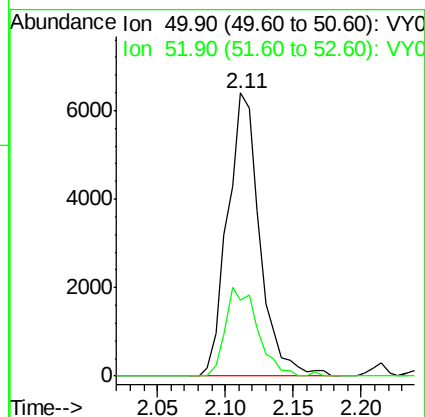
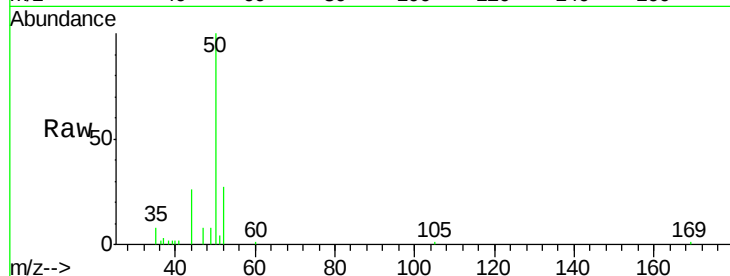
ClientSampleId :

Tot Ion: 50 Resp: 10544

Ion Ratio Lower Upper

50 100

52 26.8 27.3 40.9#



#4

Vinyl Chloride

Concen: 8.104 ug/l

RT: 2.25 min Scan# 109

Delta R.T. 0.01 min

Lab File: VY000099.D

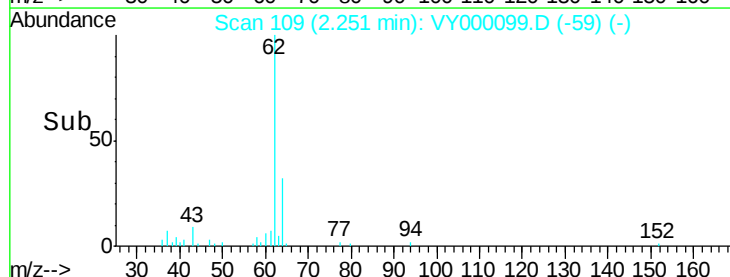
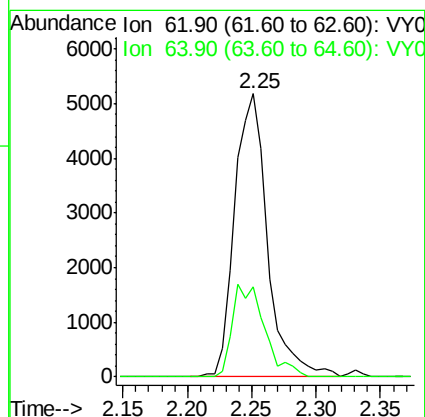
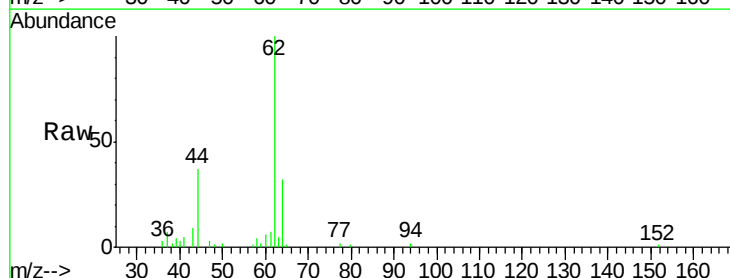
Acq: 20 Sep 2019 11:43

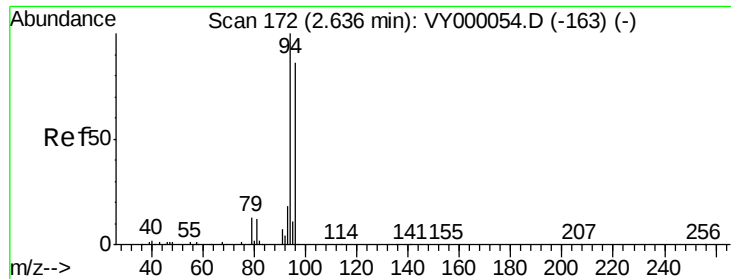
Tgt Ion: 62 Resp: 9217

Ion Ratio Lower Upper

62 100

64 31.8 26.9 40.3





#5

Bromomethane

Concen: 10.921 ug/l

RT: 2.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

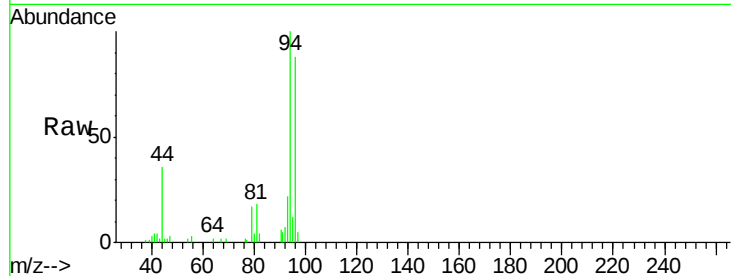
ClientSampleId :

Tot Ion: 94 Resp: 9171

Ion Ratio Lower Upper

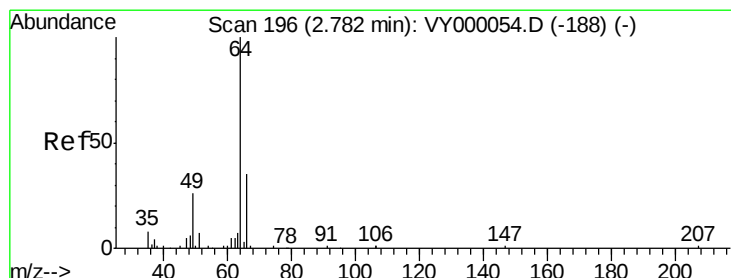
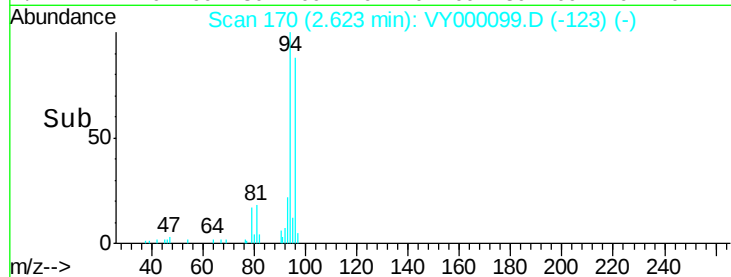
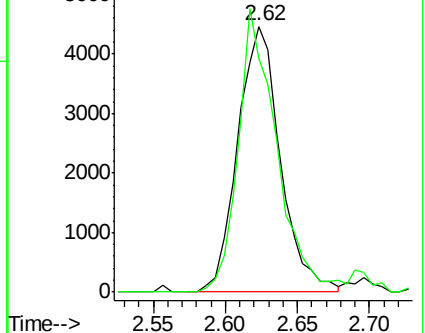
94 100

96 87.7 69.1 103.7



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 14.289 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000099.D

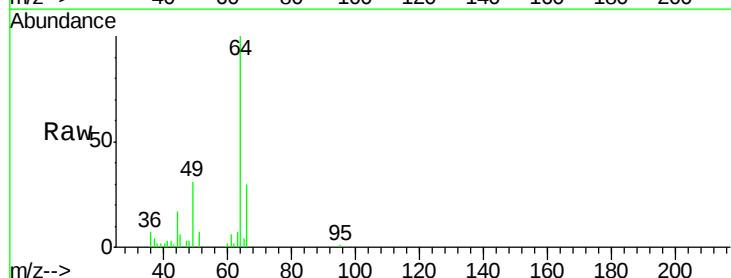
Acq: 20 Sep 2019 11:43

Tgt Ion: 64 Resp: 10894

Ion Ratio Lower Upper

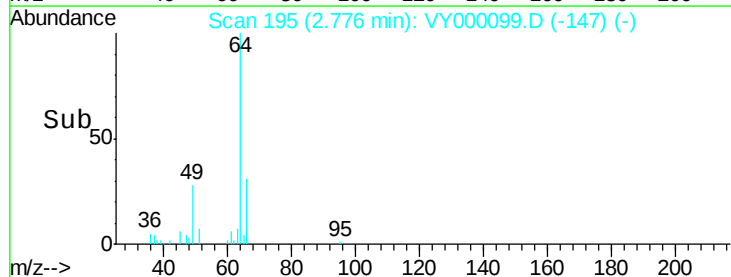
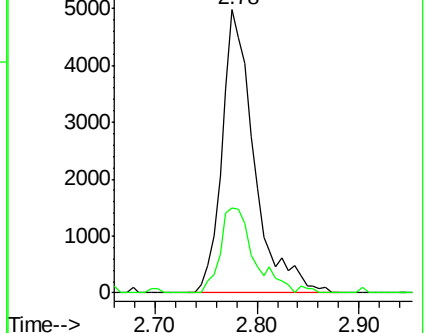
64 100

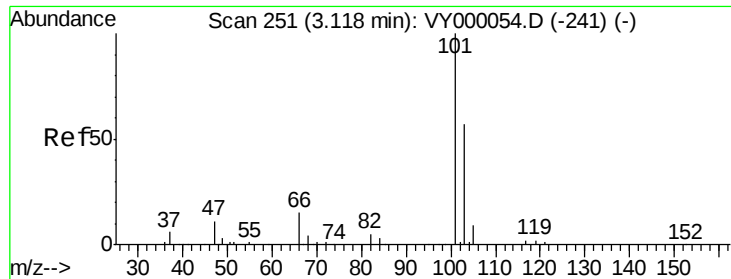
66 30.0 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



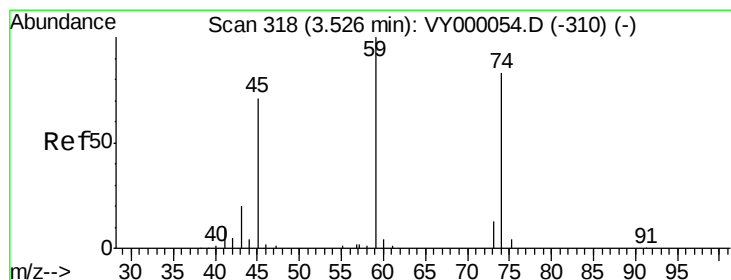
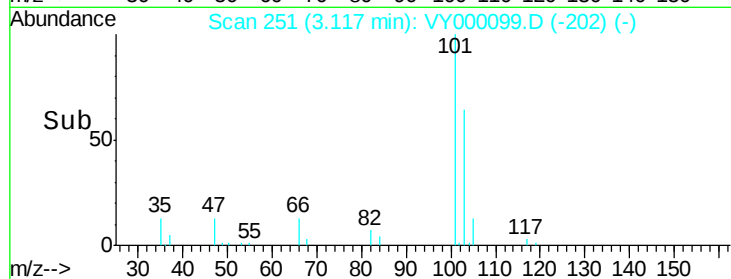
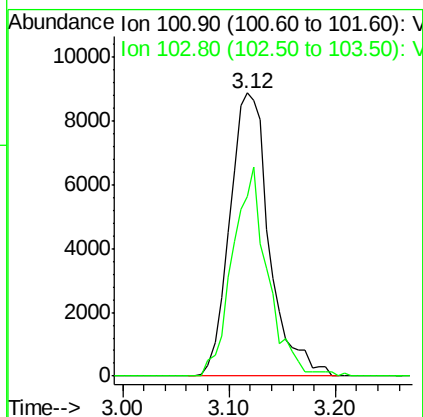
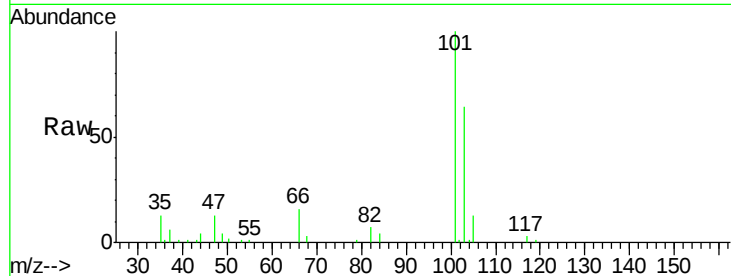


#7

Trichlorofluoromethane
Concen: 14.715 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

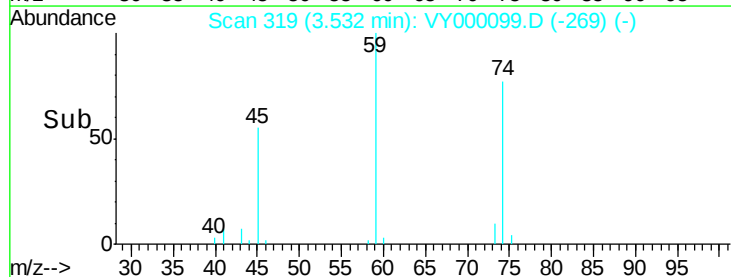
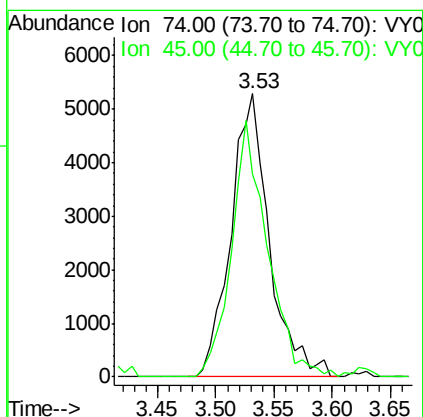
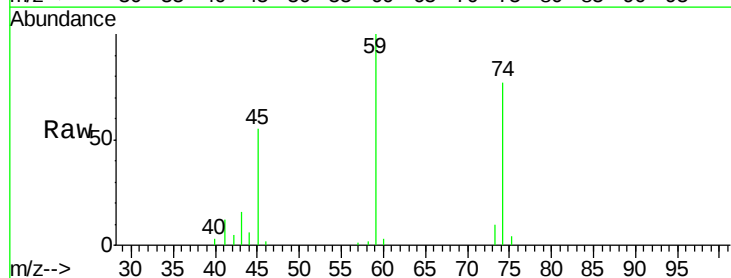
Tot Ion:101 Resp: 23142
Ion Ratio Lower Upper
101 100
103 63.6 45.7 68.5

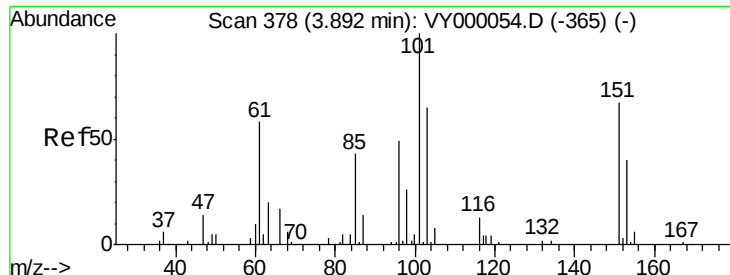


#8

Diethyl Ether
Concen: 17.995 ug/l
RT: 3.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 74 Resp: 12117
Ion Ratio Lower Upper
74 100
45 85.3 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.785 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

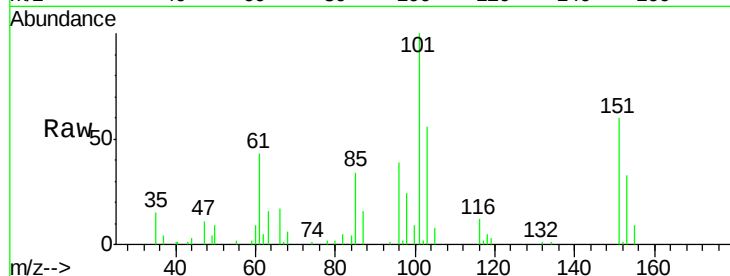
Tot Ion:101 Resp: 20267

Ion Ratio Lower Upper

101 100

85 41.0 36.8 55.2

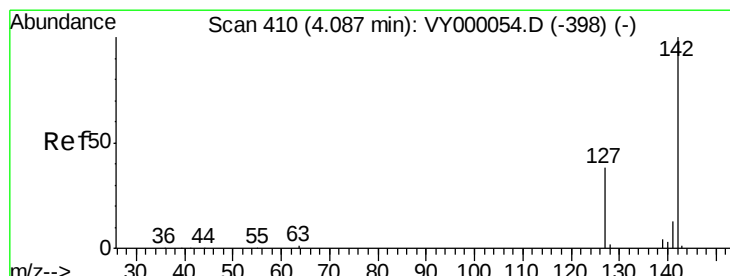
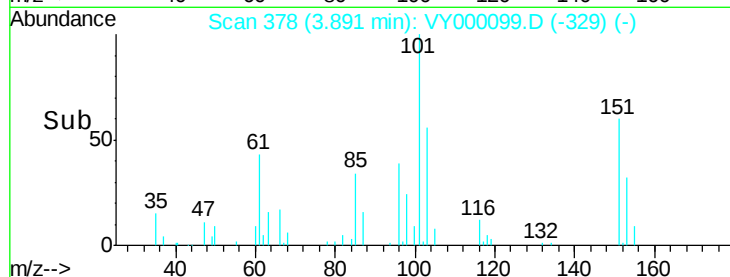
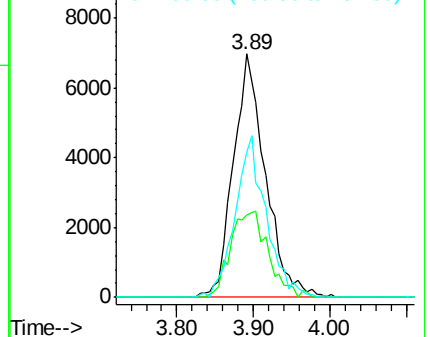
151 63.8 54.4 81.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.760 ug/l

RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

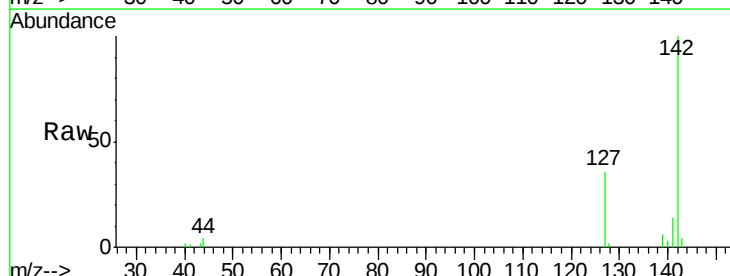
Tgt Ion:142 Resp: 16561

Ion Ratio Lower Upper

142 100

127 37.4 31.6 47.4

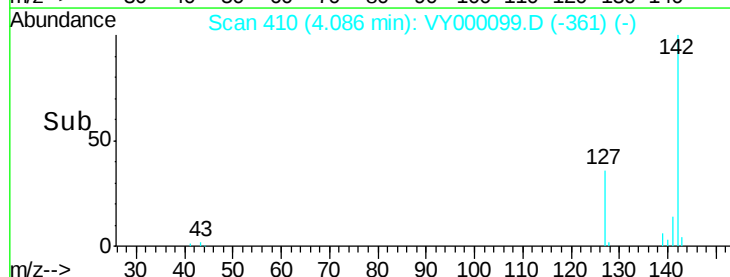
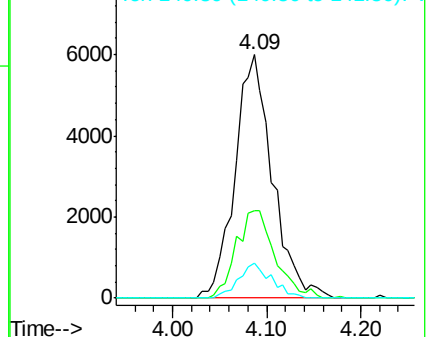
141 12.7 10.9 16.3

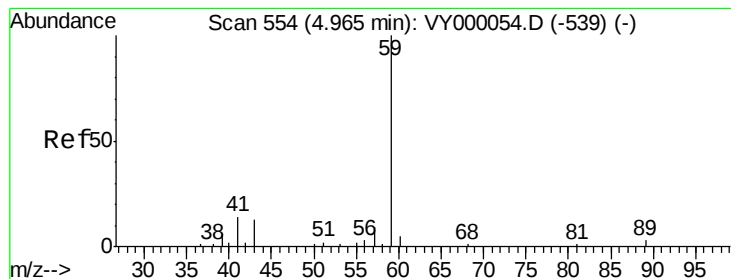


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



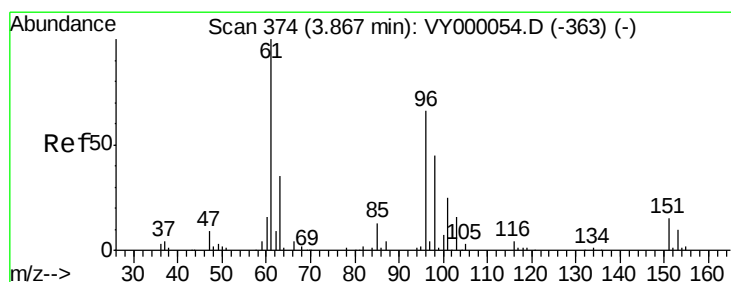
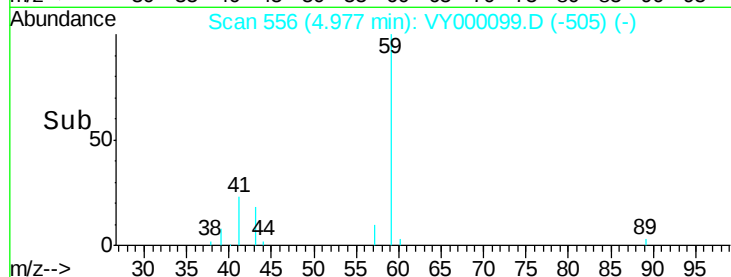
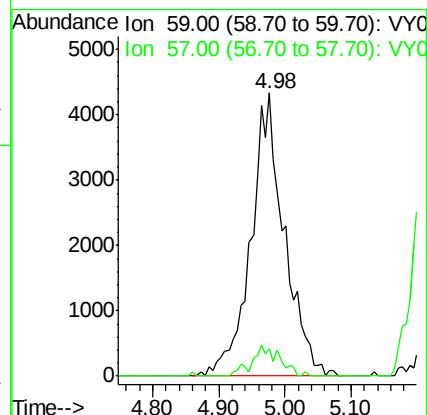
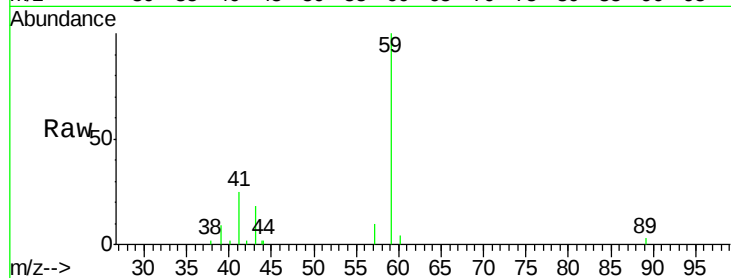


#11

Tert butyl alcohol
Concen: 109.658 ug/l
RT: 4.98 min Scan# 556
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

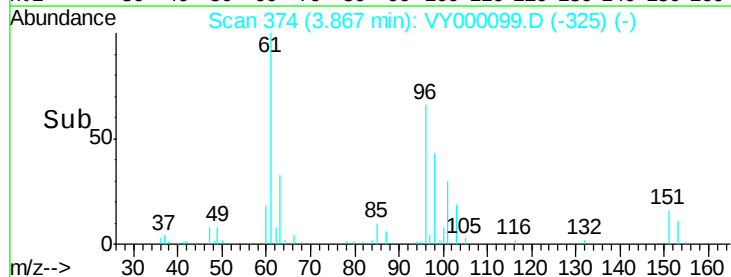
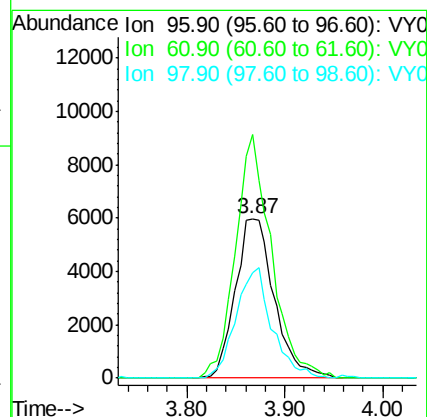
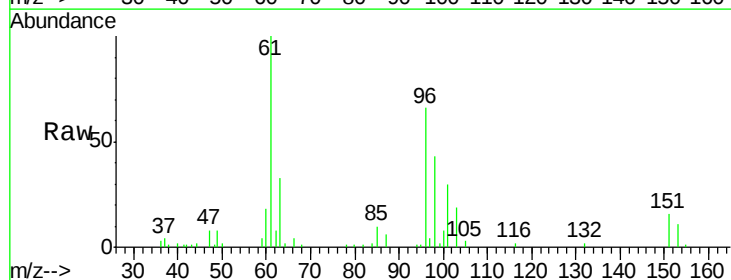
Tot Ion: 59 Resp: 15246
Ion Ratio Lower Upper
59 100
57 8.8 8.0 12.0

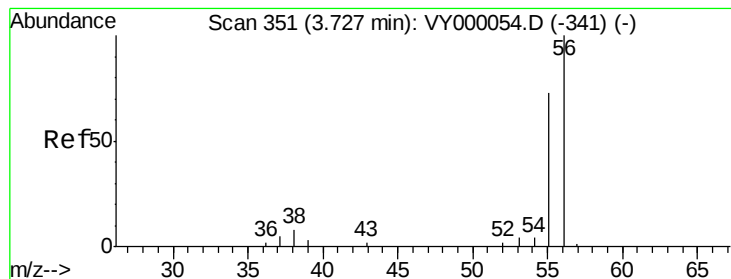


#12

1,1-Dichloroethene
Concen: 16.643 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 96 Resp: 16553
Ion Ratio Lower Upper
96 100
61 152.6 120.4 180.6
98 66.1 54.1 81.1





#13

Acrolein

Concen: 97.921 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

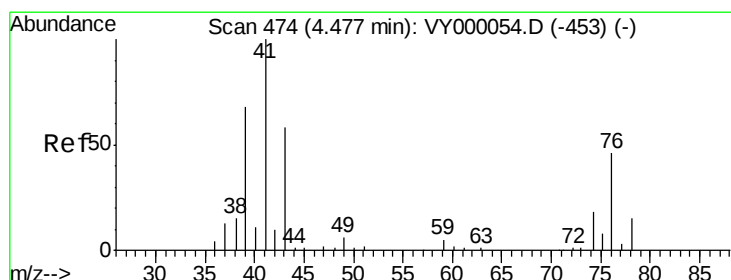
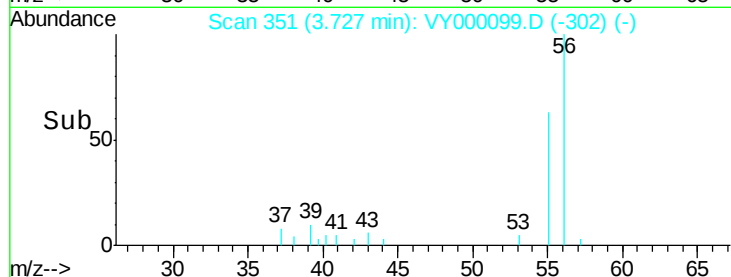
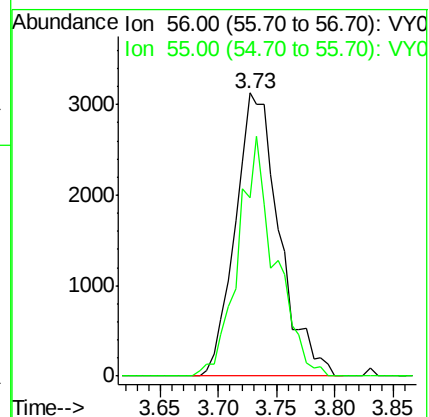
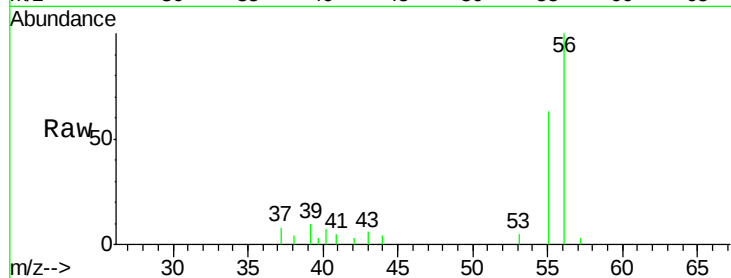
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 8243

Ion Ratio Lower Upper

56 100

55 71.3 57.8 86.8



#14

Allyl chloride

Concen: 18.541 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

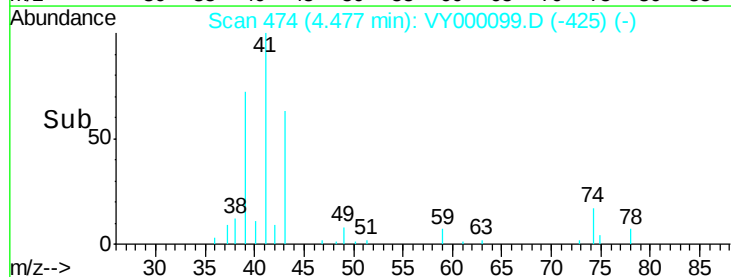
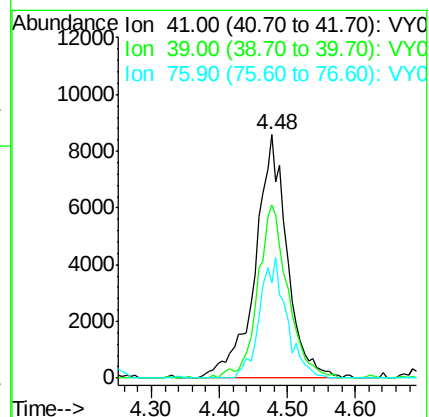
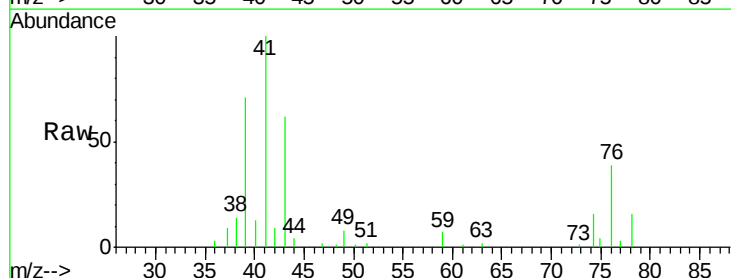
Tgt Ion: 41 Resp: 28184

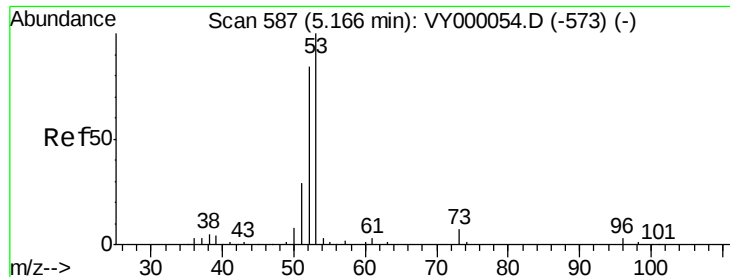
Ion Ratio Lower Upper

41 100

39 66.9 52.7 79.1

76 41.6 35.5 53.3





#15

Acrylonitrile

Concen: 102.182 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

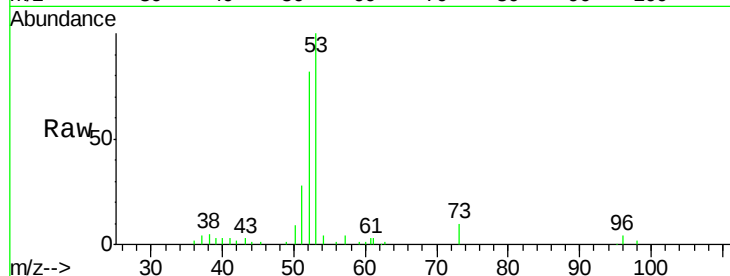
Tot Ion: 53 Resp: 41259

Ion Ratio Lower Upper

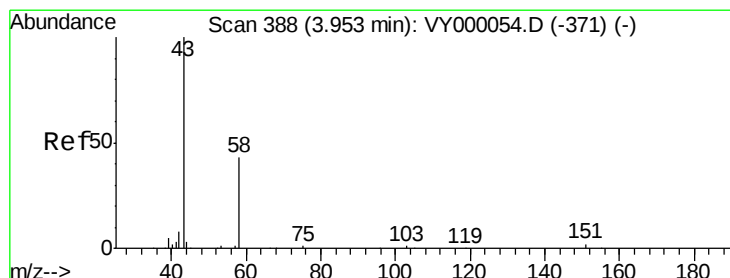
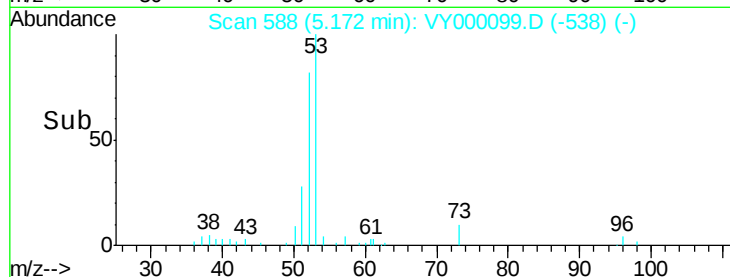
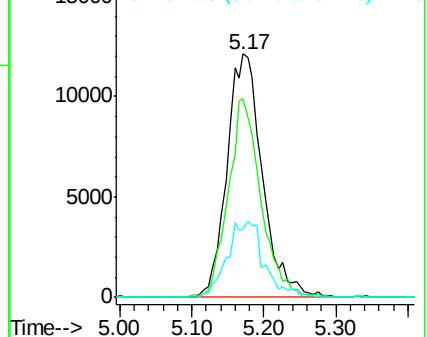
53 100

52 75.8 64.7 97.1

51 32.3 26.7 40.1



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



#16

Acetone

Concen: 88.879 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000099.D

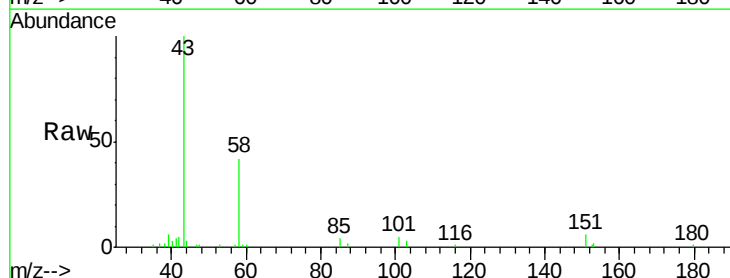
Acq: 20 Sep 2019 11:43

Tgt Ion: 43 Resp: 24269

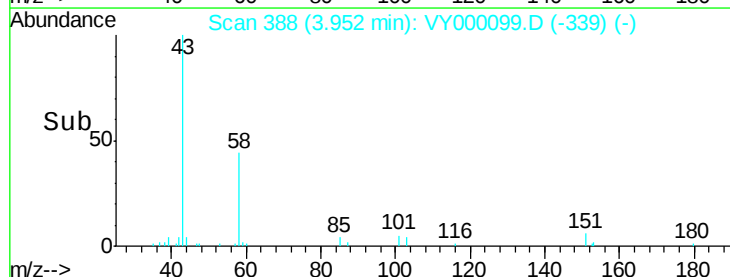
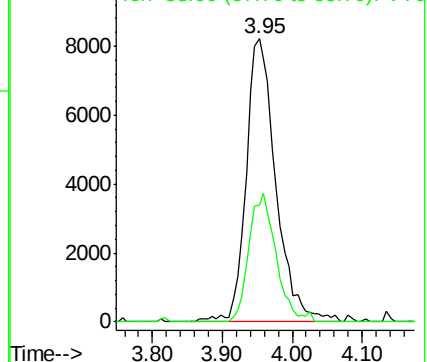
Ion Ratio Lower Upper

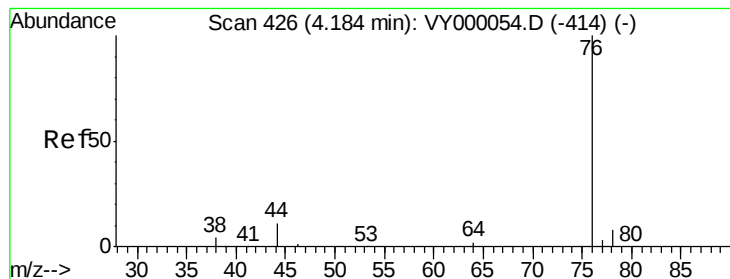
43 100

58 41.5 34.5 51.7



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





#17

Carbon Disulfide

Concen: 12.167 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

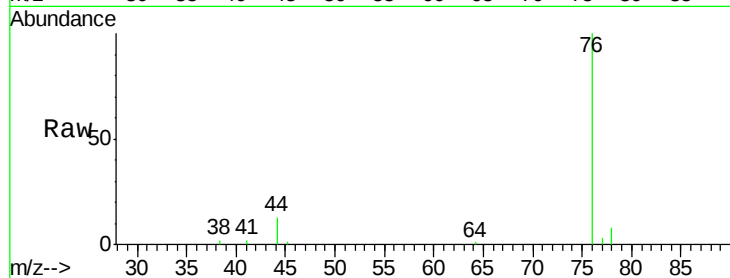
ClientSampleId :

Tot Ion: 76 Resp: 26171

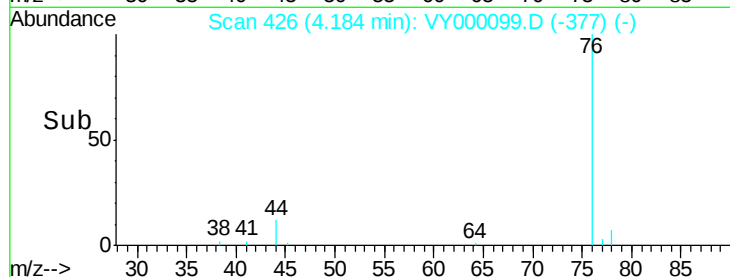
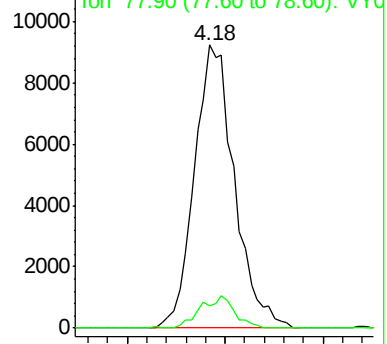
Ion Ratio Lower Upper

76 100

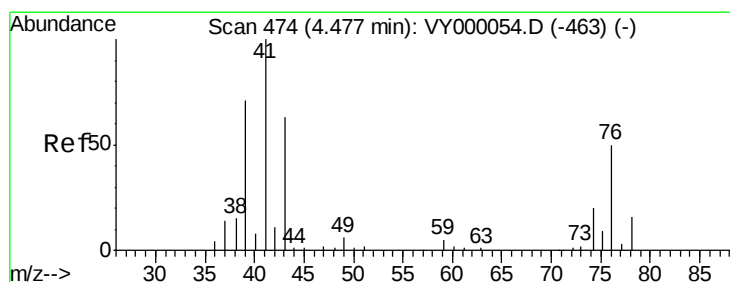
78 7.9 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VY000099.D (-377) (-)



Time-->



#18

Methyl Acetate

Concen: 18.589 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000099.D

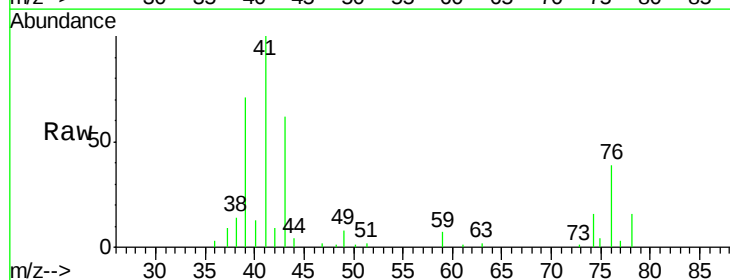
Acq: 20 Sep 2019 11:43

Tgt Ion: 43 Resp: 16958

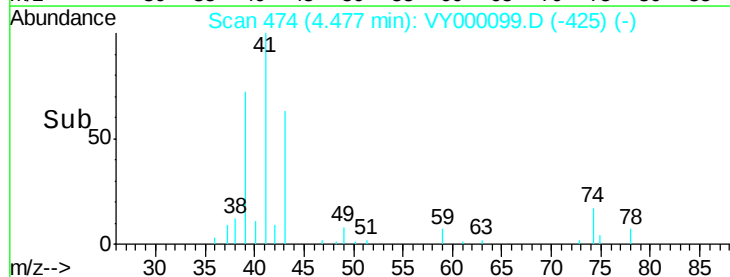
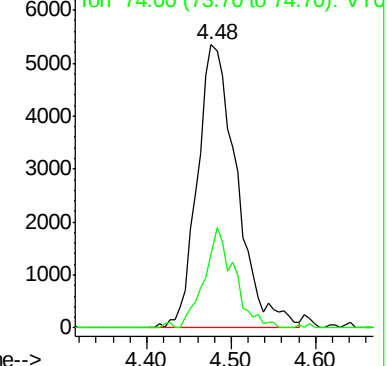
Ion Ratio Lower Upper

43 100

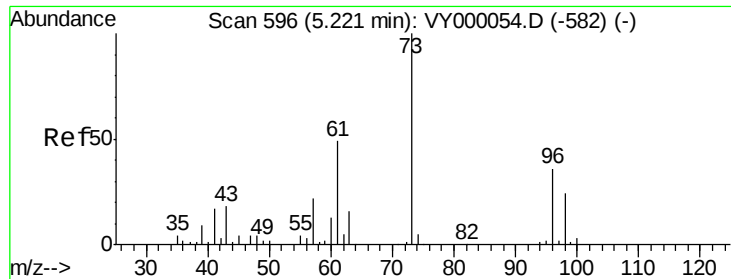
74 26.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.30): VY000099.D (-425) (-)



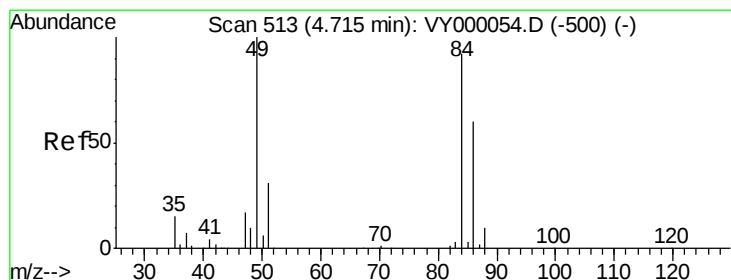
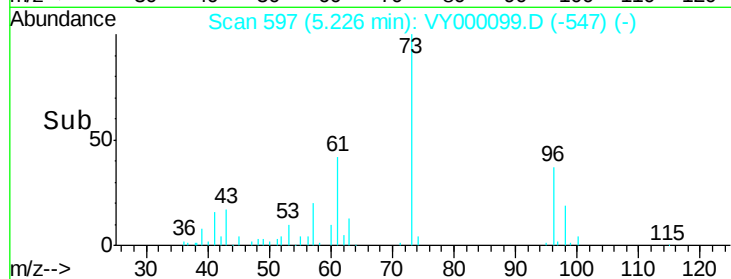
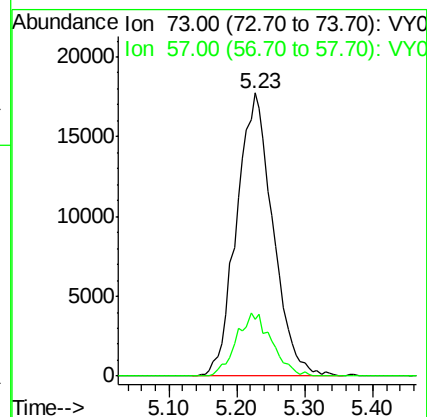
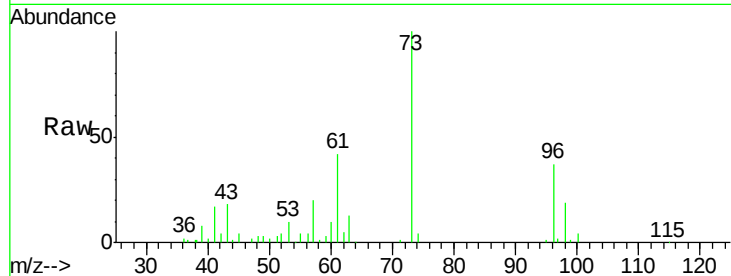
Time-->



#19
Methyl tert-butyl Ether
Concen: 21.139 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

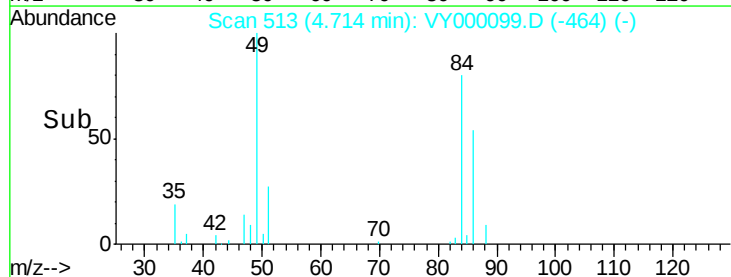
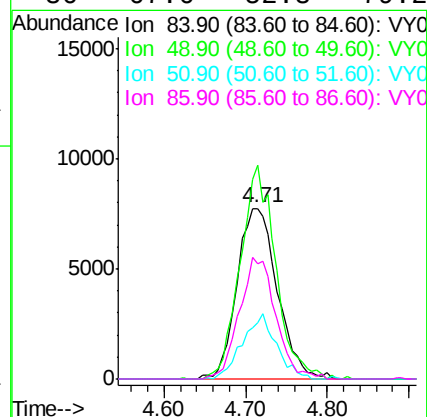
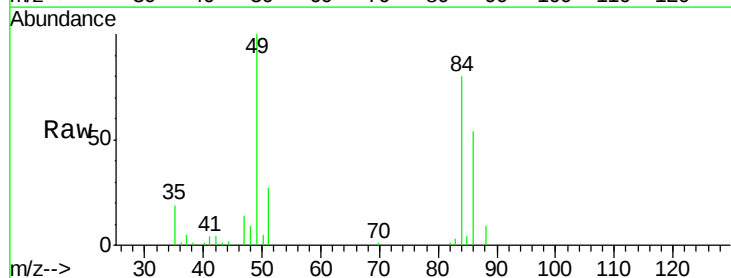
Instrument :
MSVOA_Y
ClientSampled :

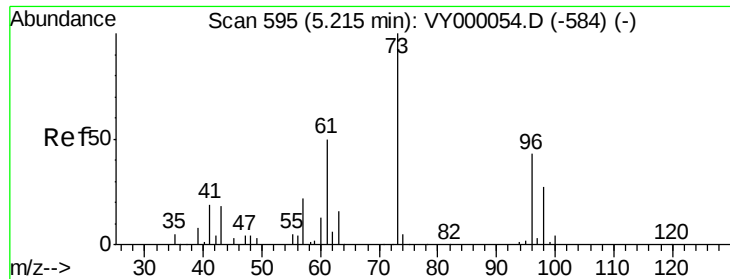
Tot Ion: 73 Resp: 65703
Ion Ratio Lower Upper
73 100
57 20.2 17.5 26.3



#20
Methylene Chloride
Concen: 20.629 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 84 Resp: 26499
Ion Ratio Lower Upper
84 100
49 125.1 87.4 131.0
51 33.3 27.2 40.8
86 67.6 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 18.647 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

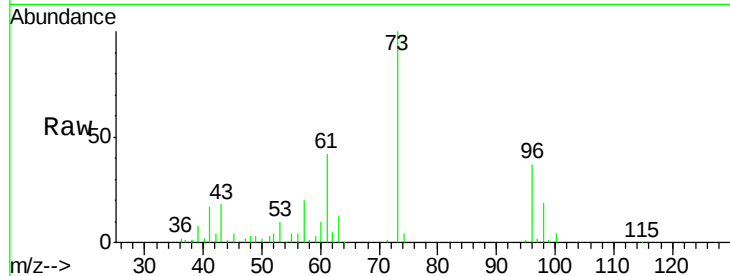
Tot Ion: 96 Resp: 20616

Ion Ratio Lower Upper

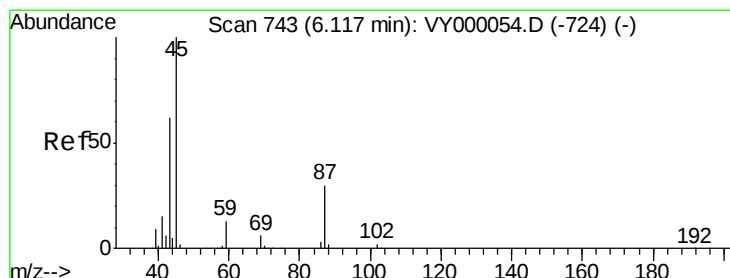
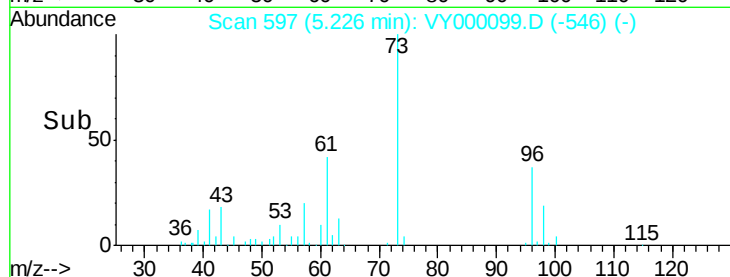
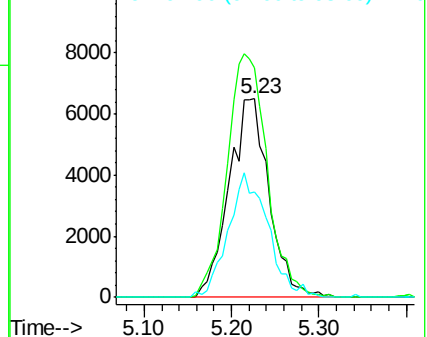
96 100

61 115.5 94.0 141.0

98 53.1 50.3 75.5



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



#22

Diisopropyl ether

Concen: 20.774 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion: 45 Resp: 71347

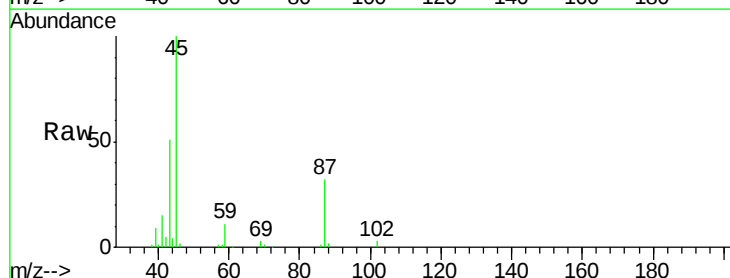
Ion Ratio Lower Upper

45 100

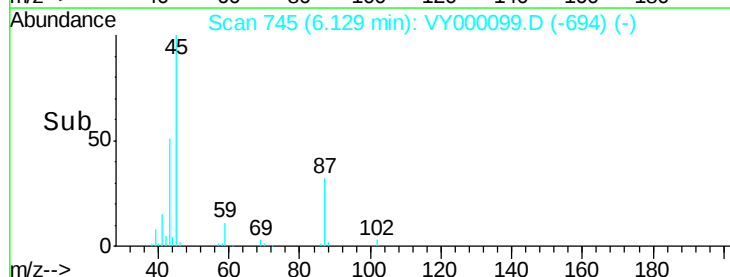
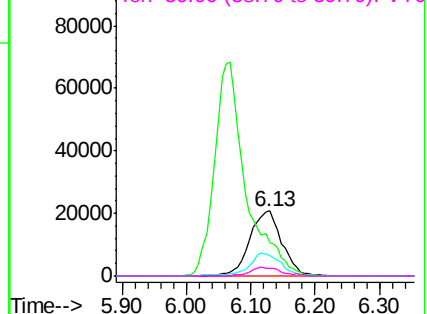
43 50.1 49.9 74.9

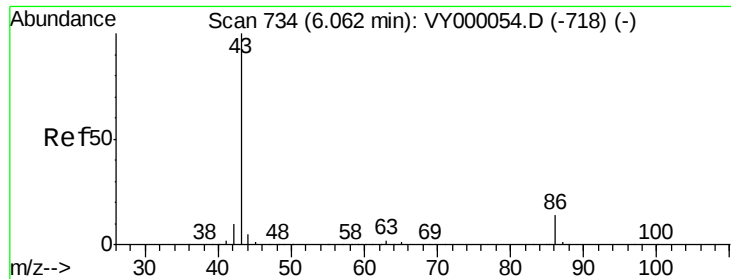
87 31.5 25.0 37.4

59 11.0 10.4 15.6



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





#23

Vinyl Acetate

Concen: 101.647 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

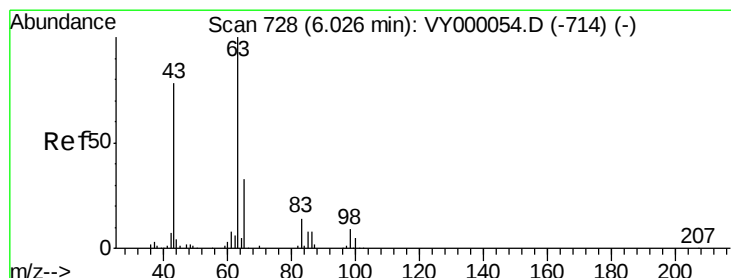
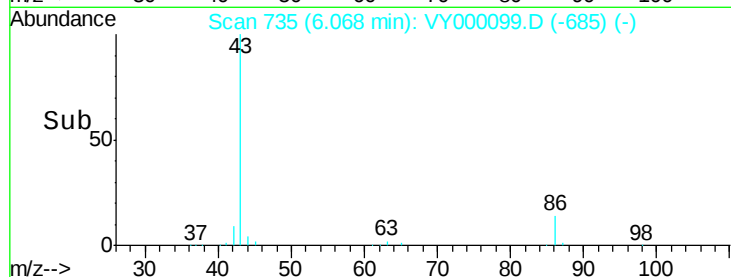
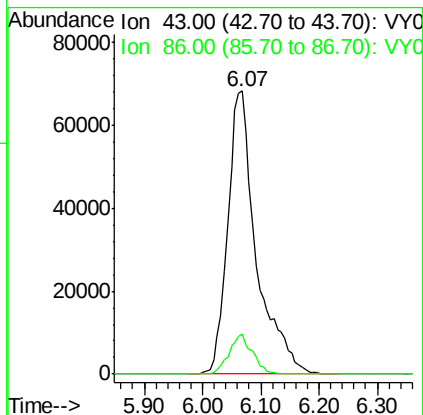
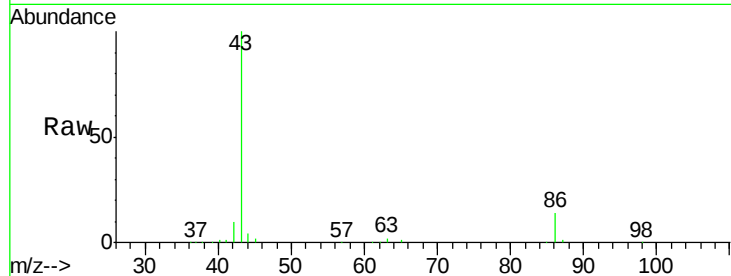
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 233650

Ion Ratio Lower Upper

43 100

86 14.0 11.3 16.9



#24

1,1-Dichloroethane

Concen: 19.836 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

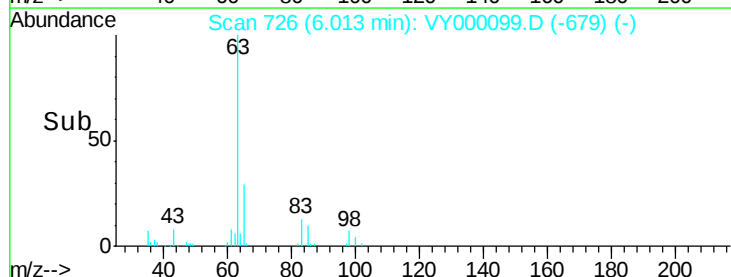
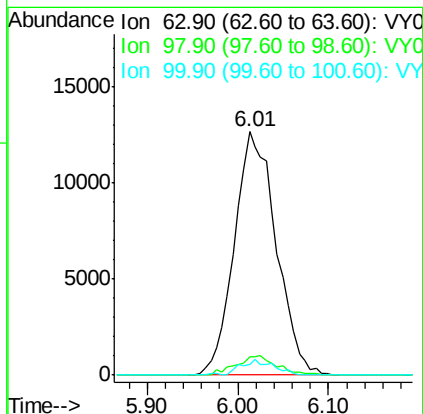
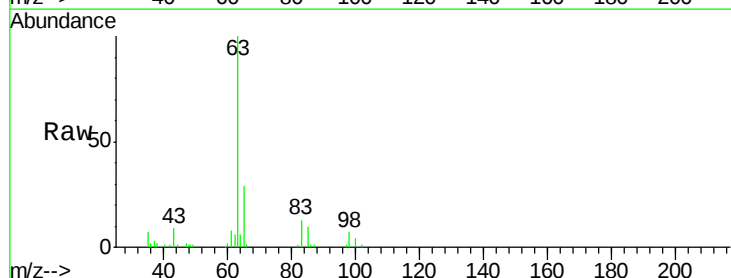
Tgt Ion: 63 Resp: 40323

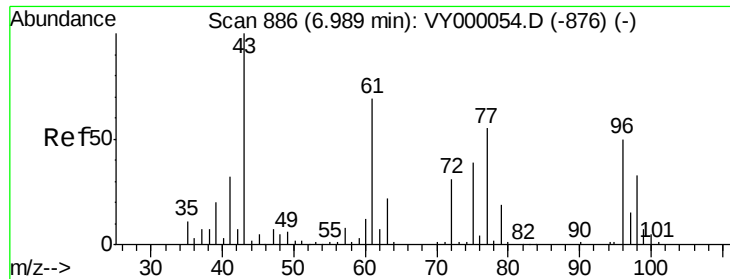
Ion Ratio Lower Upper

63 100

98 7.3 4.5 13.5

100 4.5 2.5 7.5

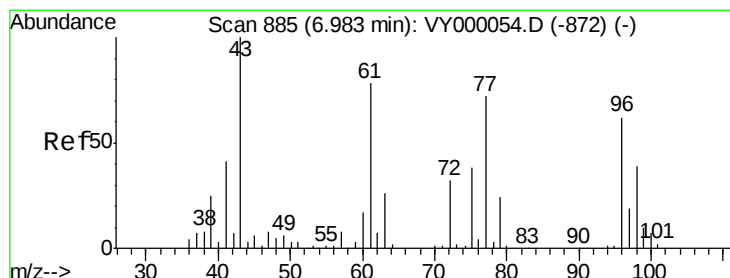
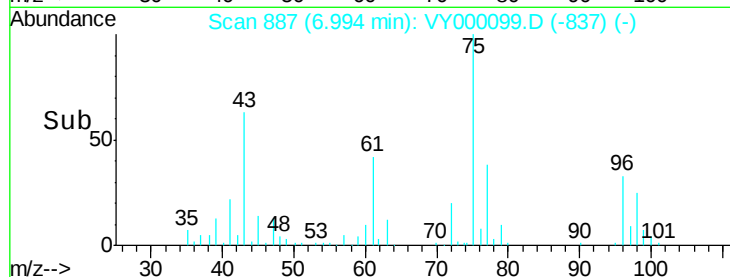
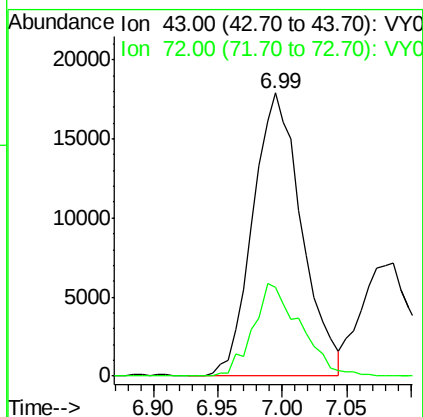
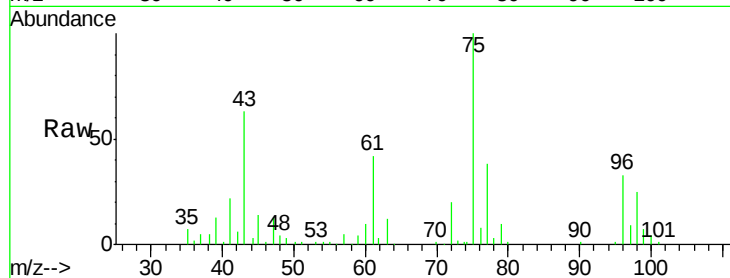




#25
2-Butanone
Concen: 95.207 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

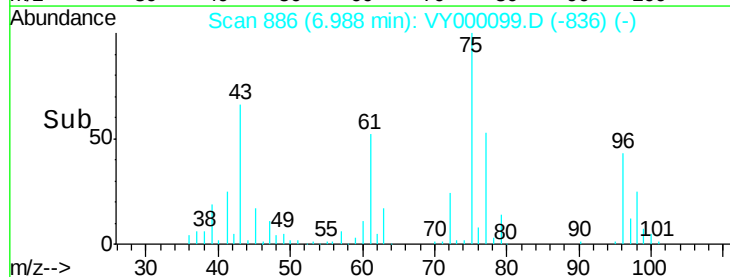
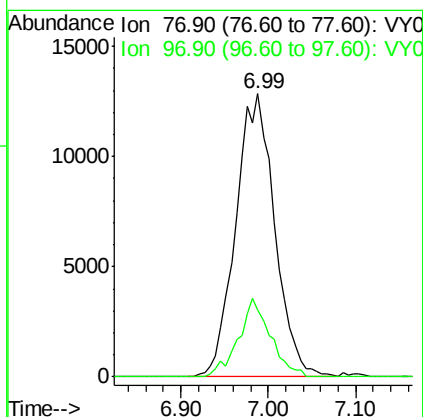
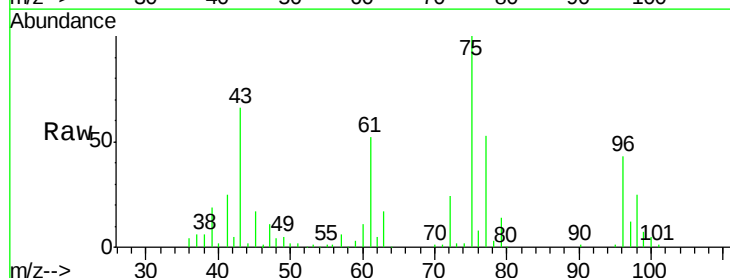
Instrument :
MSVOA_Y
ClientSampled :

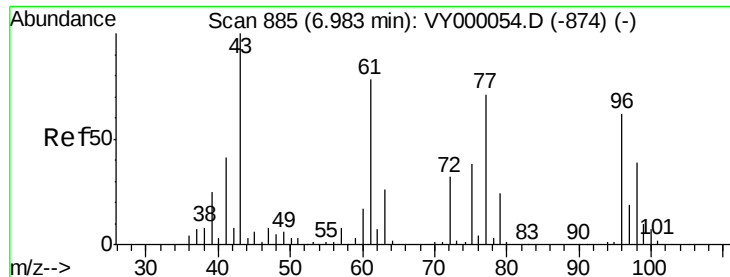
Tot Ion: 43 Resp: 47087
Ion Ratio Lower Upper
43 100
72 31.4 24.7 37.1



#26
2,2-Dichloropropane
Concen: 20.727 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 77 Resp: 39762
Ion Ratio Lower Upper
77 100
97 22.8 12.5 37.5





#27

cis-1,2-Dichloroethene

Concen: 20.655 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

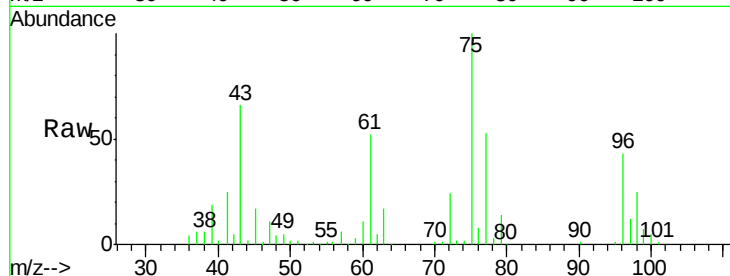
Tot Ion: 96 Resp: 28913

Ion Ratio Lower Upper

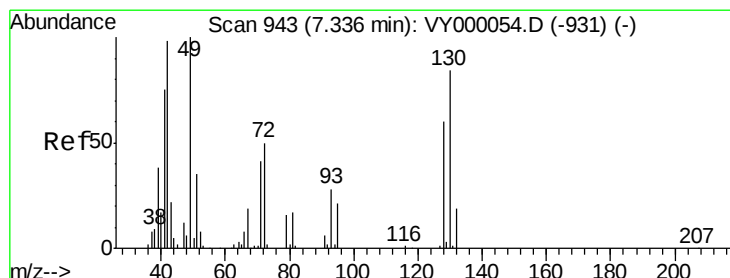
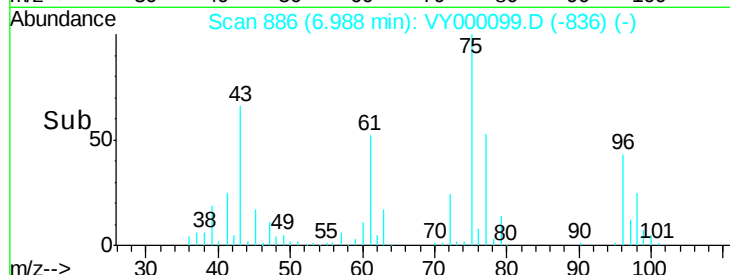
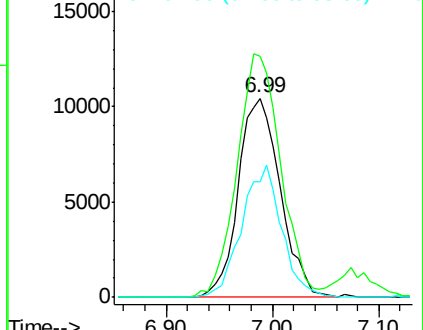
96 100

61 127.4 0.0 263.0

98 63.1 0.0 130.2



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



#28

Bromochloromethane

Concen: 19.299 ug/l

RT: 7.34 min Scan# 943

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

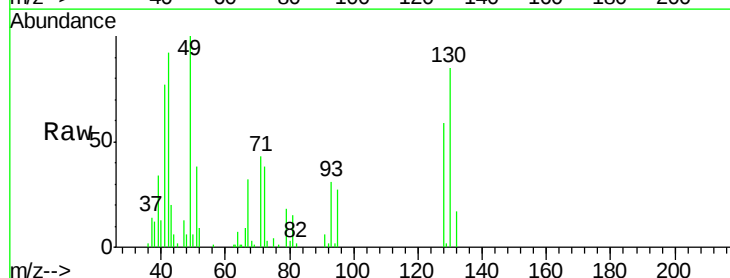
Tgt Ion: 49 Resp: 18185

Ion Ratio Lower Upper

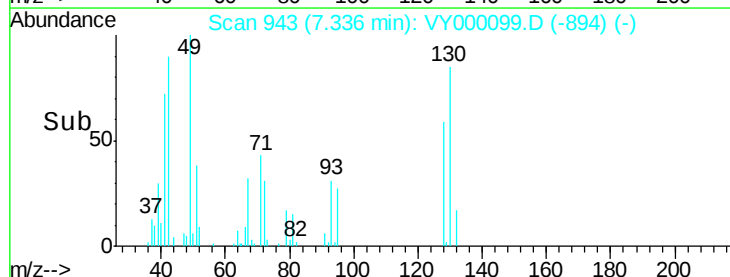
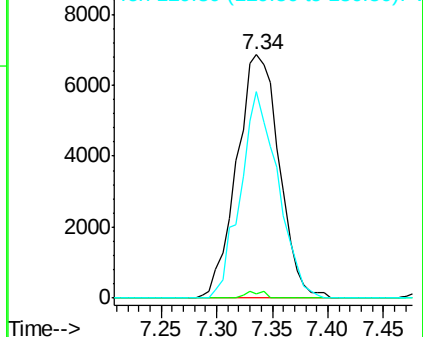
49 100

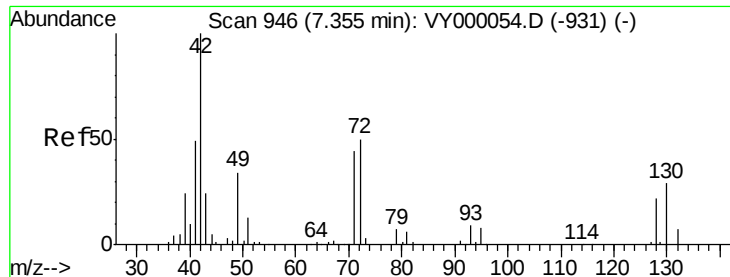
129 1.2 0.0 4.8

130 75.2 66.2 99.4



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

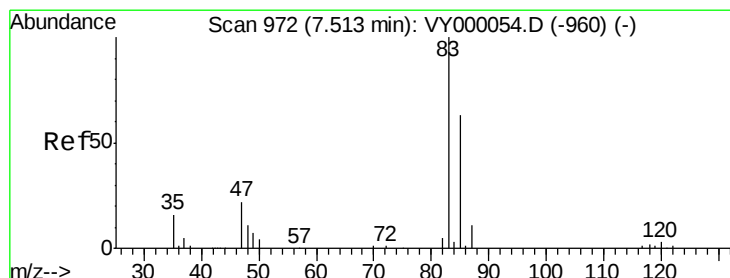
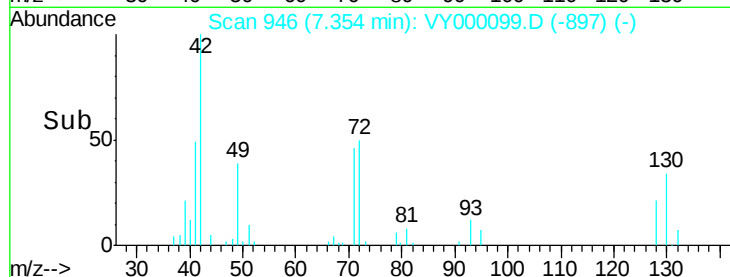
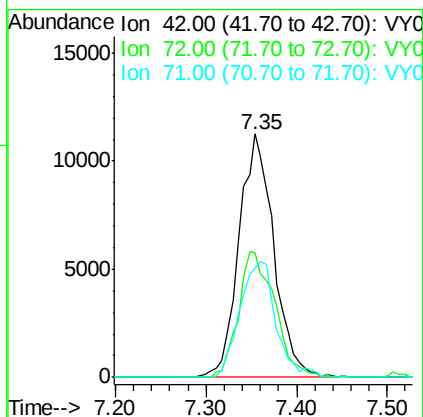
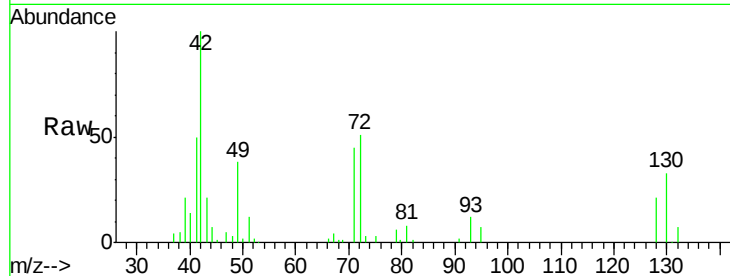




#29
Tetrahydrofuran
Concen: 100.506 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

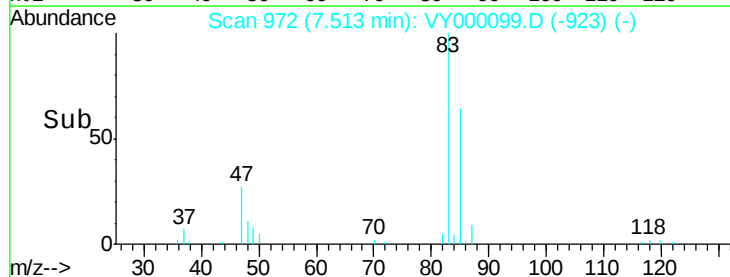
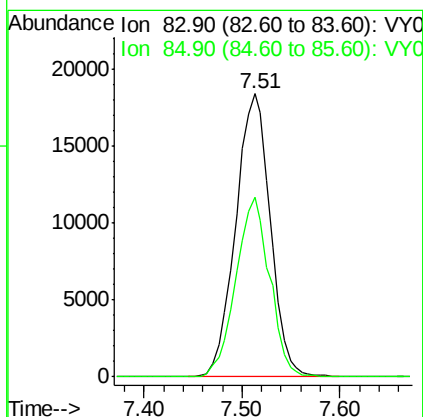
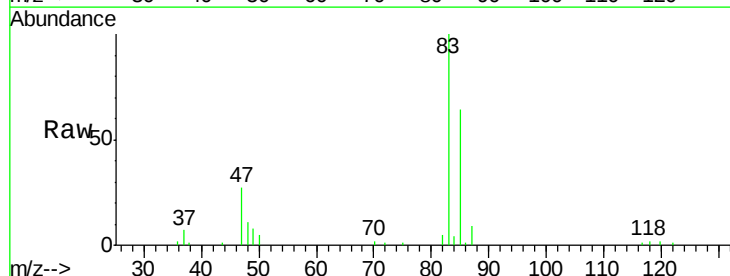
Instrument :
MSVOA_Y
ClientSampled :

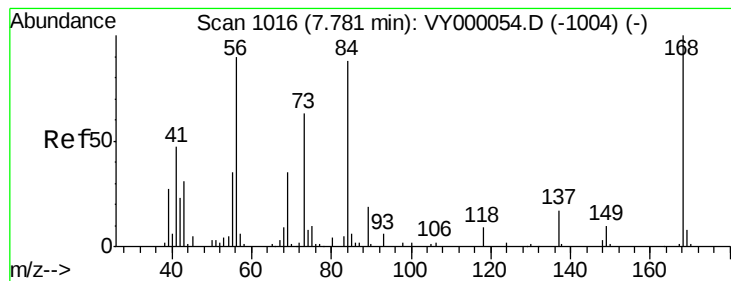
Tot Ion: 42 Resp: 29841
Ion Ratio Lower Upper
42 100
72 53.8 41.8 62.6
71 49.6 38.6 58.0



#30
Chloroform
Concen: 21.534 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 83 Resp: 45175
Ion Ratio Lower Upper
83 100
85 63.6 50.6 76.0





#31

Cyclohexane

Concen: 18.229 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

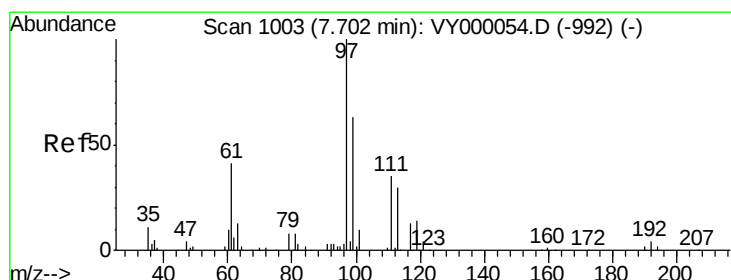
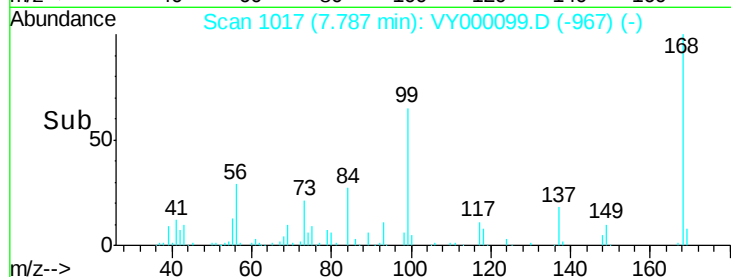
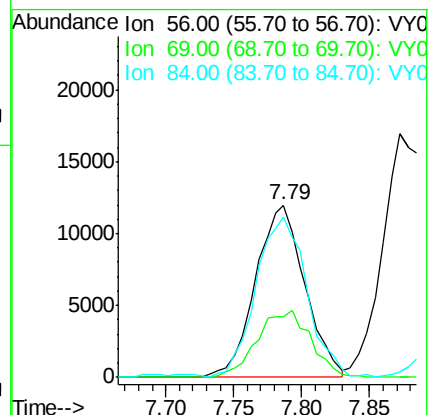
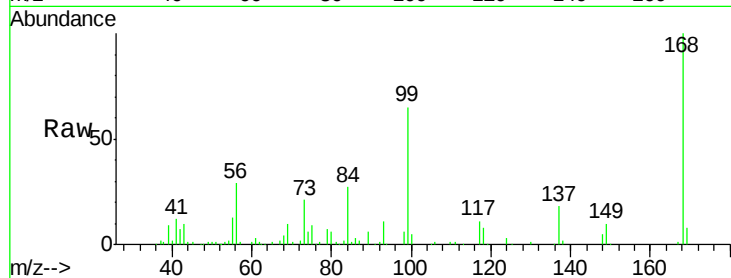
Tot Ion: 56 Resp: 30433

Ion Ratio Lower Upper

56 100

69 35.2 30.9 46.3

84 91.4 78.5 117.7



#32

1,1,1-Trichloroethane

Concen: 20.464 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

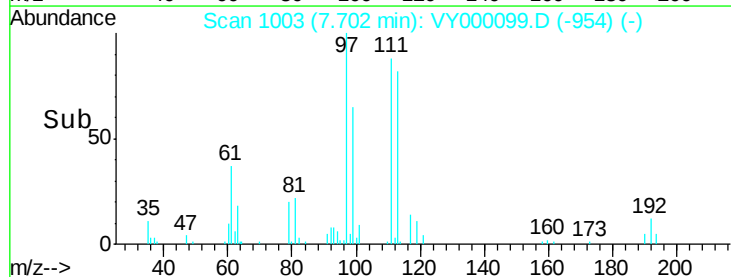
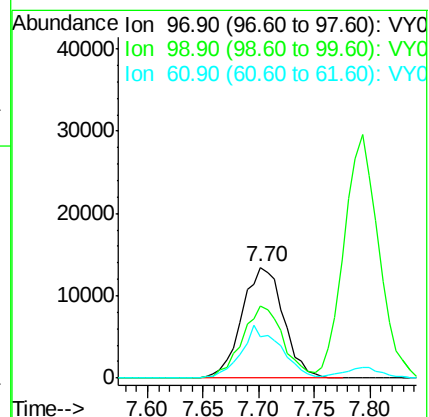
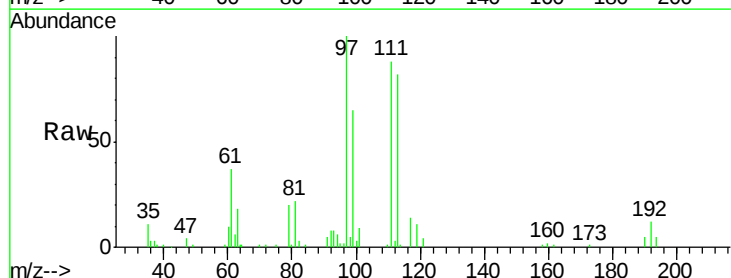
Tgt Ion: 97 Resp: 34869

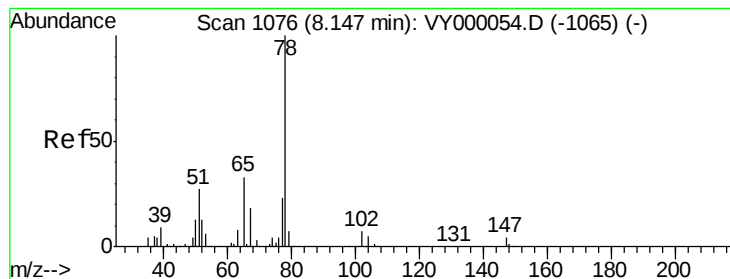
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 44.5 34.3 51.5





#33

1,2-Dichloroethane-d4

Concen: 51.796 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

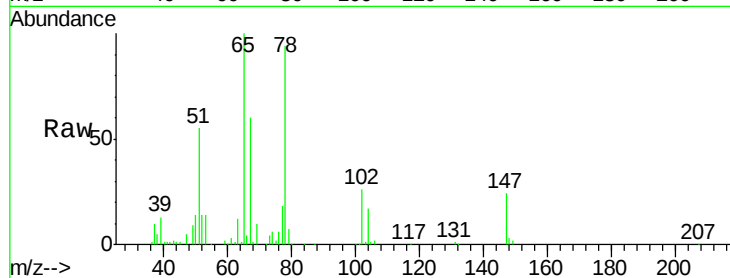
ClientSampleId :

Tot Ion: 65 Resp: 60745

Ion Ratio Lower Upper

65 100

67 58.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

25000

20000

15000

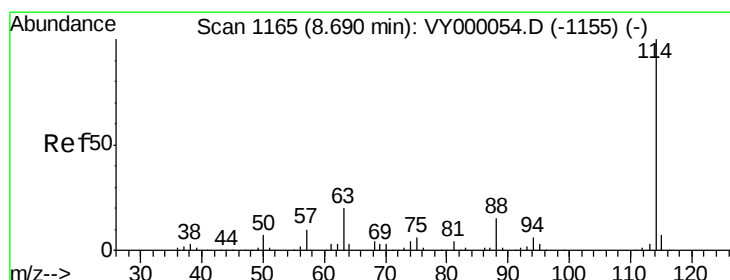
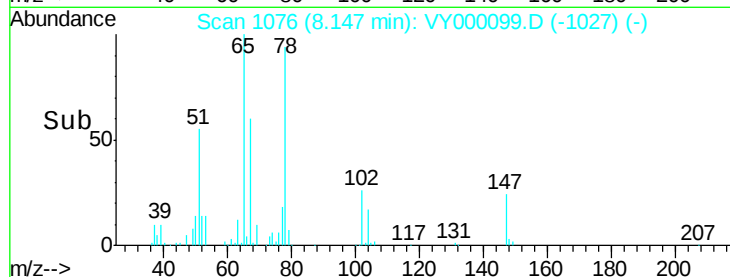
10000

5000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

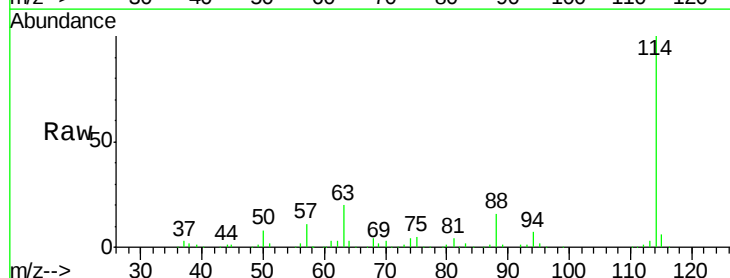
Tgt Ion: 114 Resp: 199860

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 16.3 0.0 30.2



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

8.69

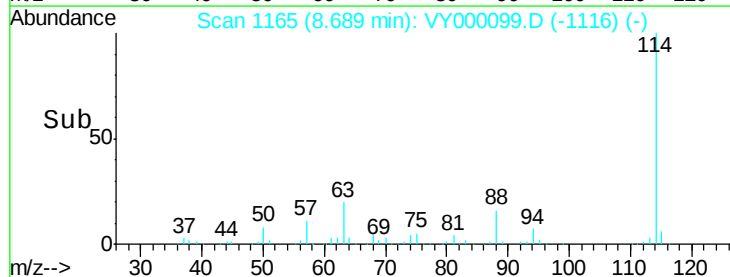
100000

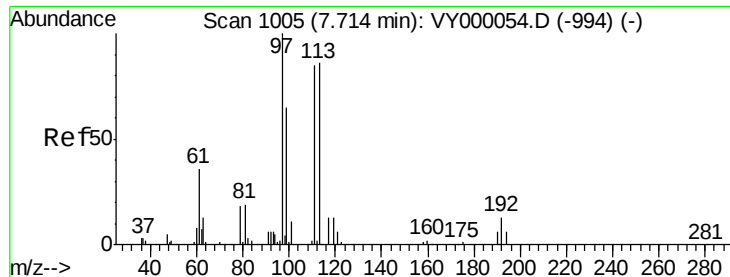
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 48.195 ug/l

RT: 7.73 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

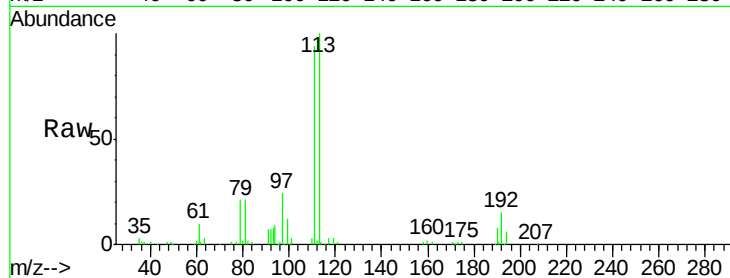
Tot Ion:113 Resp: 58321

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

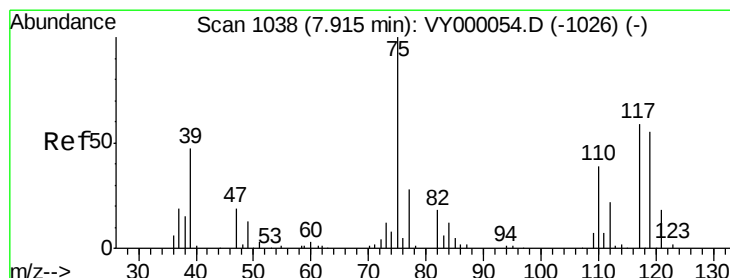
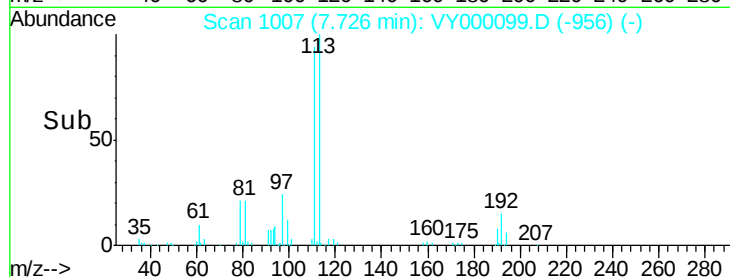
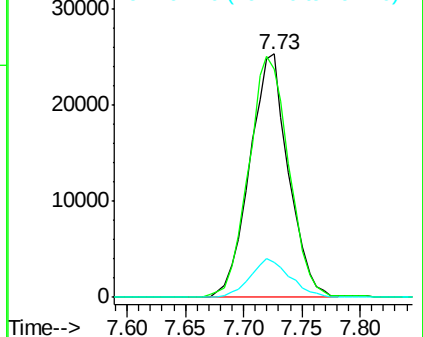
192 16.3 13.4 20.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.112 ug/l

RT: 7.92 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

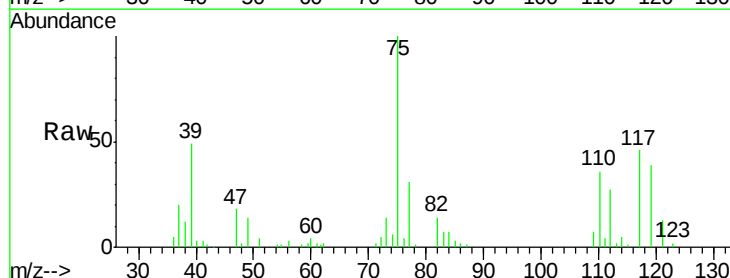
Tgt Ion: 75 Resp: 28561

Ion Ratio Lower Upper

75 100

110 36.2 19.6 58.7

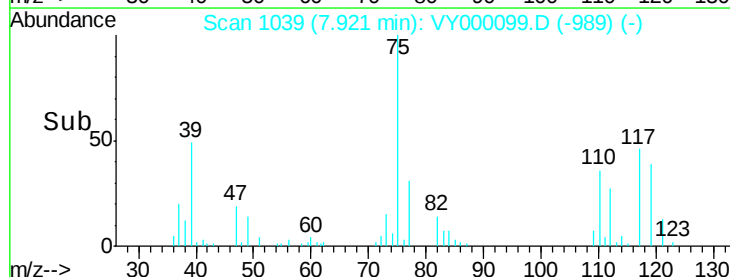
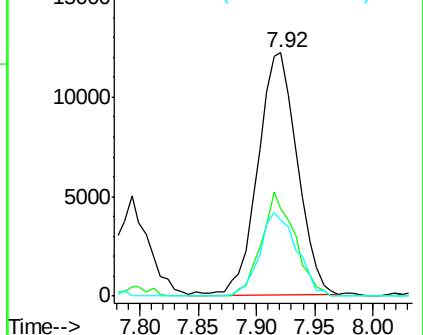
77 32.4 24.3 36.5

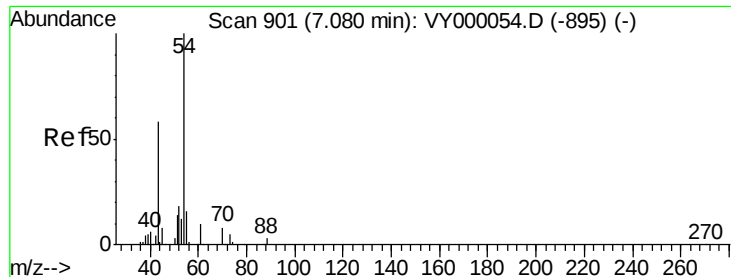


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

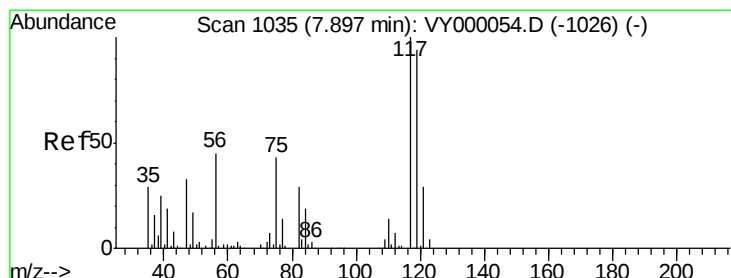
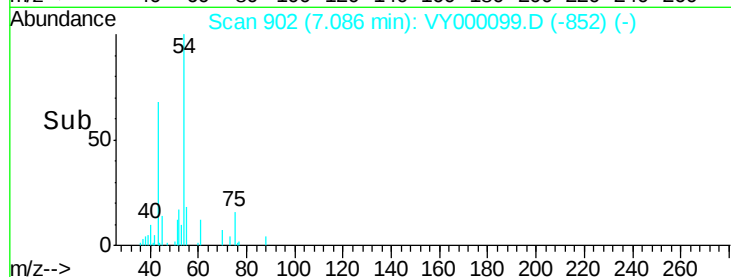
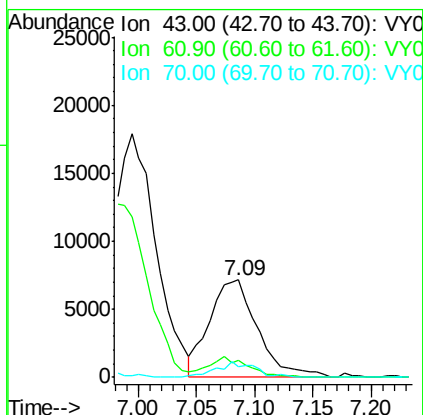
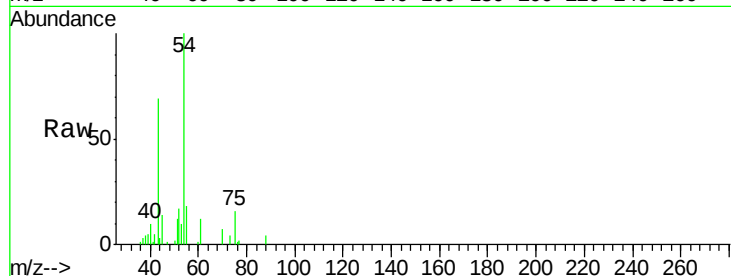




#37
Ethyl Acetate
Concen: 20.674 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

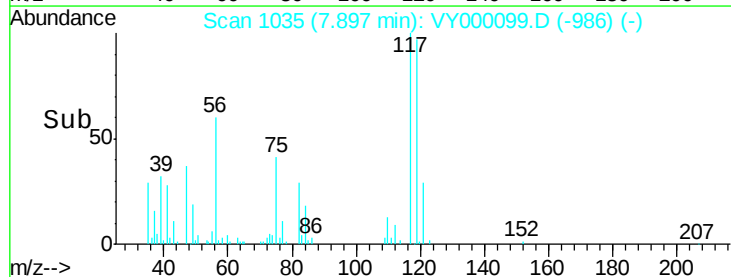
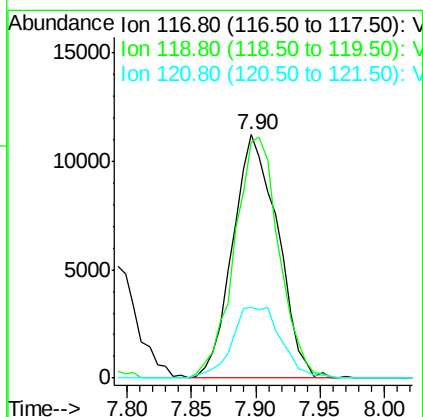
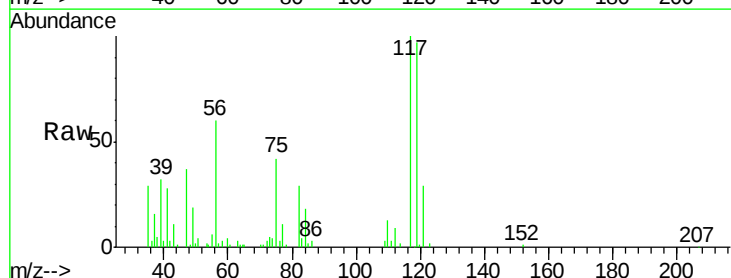
Instrument :
MSVOA_Y
ClientSampled :

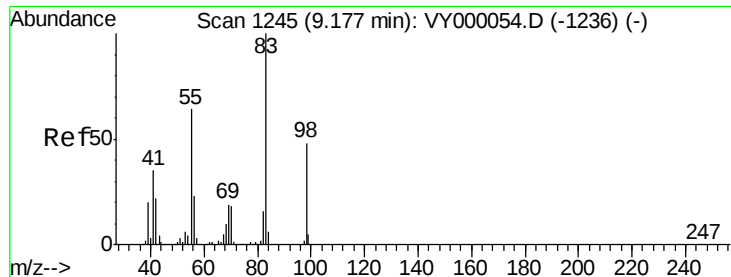
Tot Ion: 43 Resp: 20594
Ion Ratio Lower Upper
43 100
61 17.7 14.1 21.1
70 12.8 10.6 15.8



#38
Carbon Tetrachloride
Concen: 19.288 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 117 Resp: 27205
Ion Ratio Lower Upper
117 100
119 97.1 75.0 112.6
121 29.1 22.8 34.2

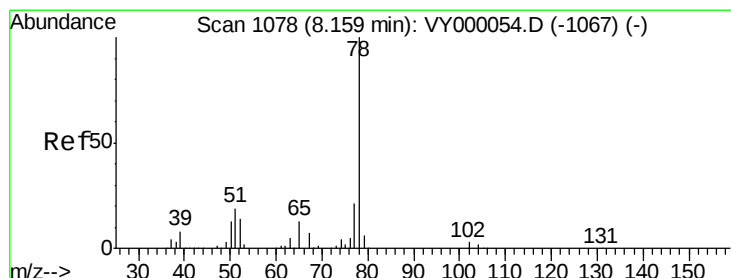
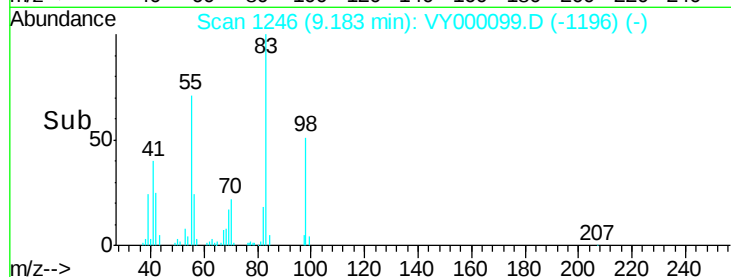
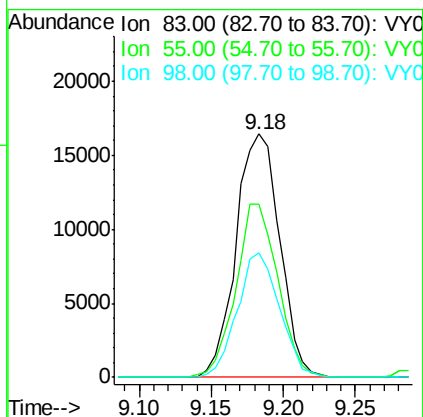
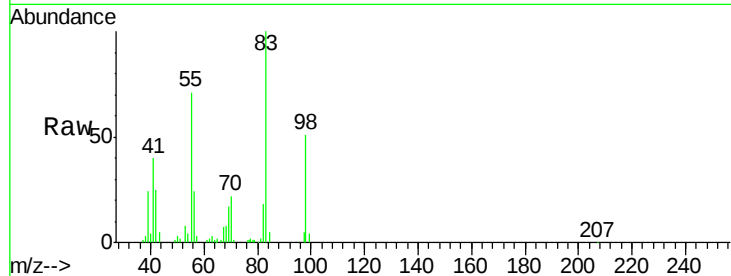




#39
Methvlcvclohexane
Concen: 18.822 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

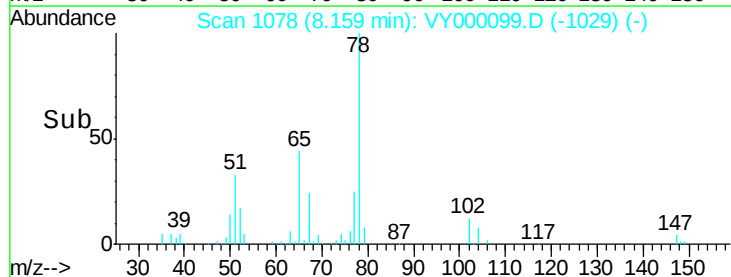
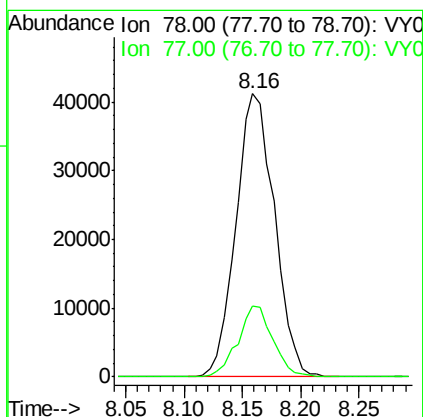
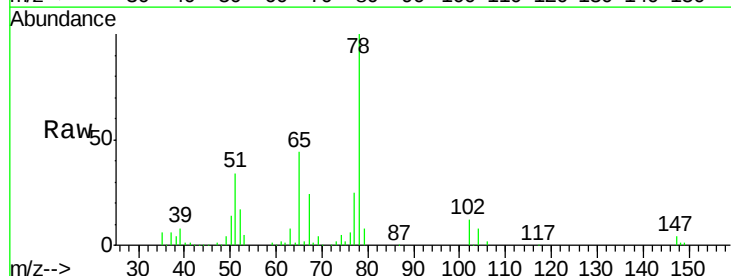
Instrument :
MSVOA_Y
ClientSampleId :

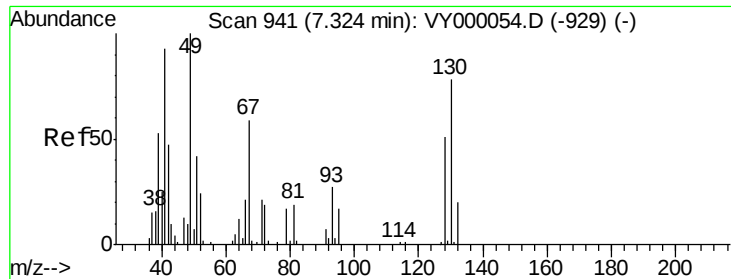
Tot Ion	83	Resp	34586
Ion	Ratio	Lower	Upper
83	100		
55	71.3	51.0	76.6
98	51.2	38.5	57.7



#40
Benzene
Concen: 19.292 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	78	Resp	95220
Ion	Ratio	Lower	Upper
78	100		
77	24.8	16.8	25.2

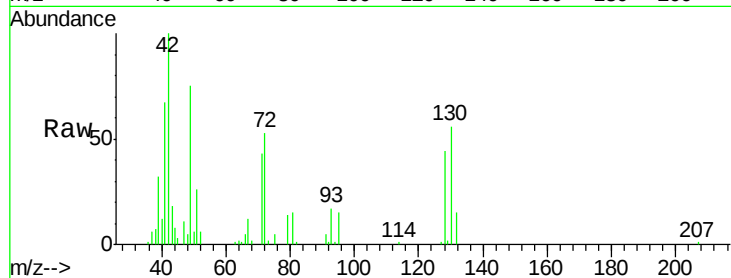




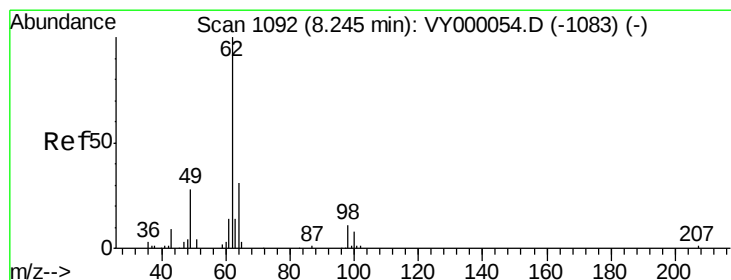
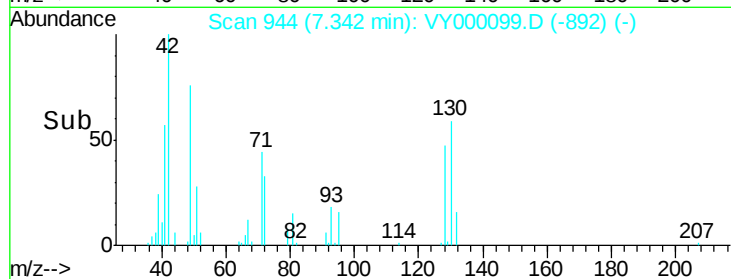
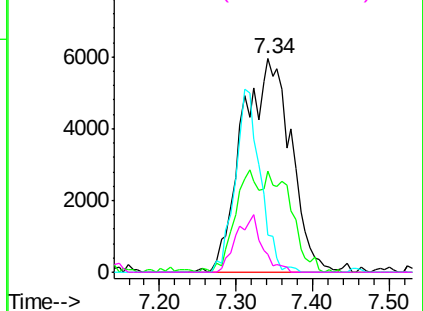
#41
Methacrylonitrile
Concen: 37.456 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 26451
Ion Ratio Lower Upper
41 100
39 0.0 91.8 137.6#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

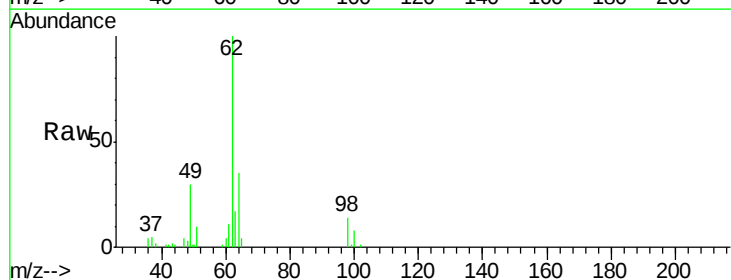


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

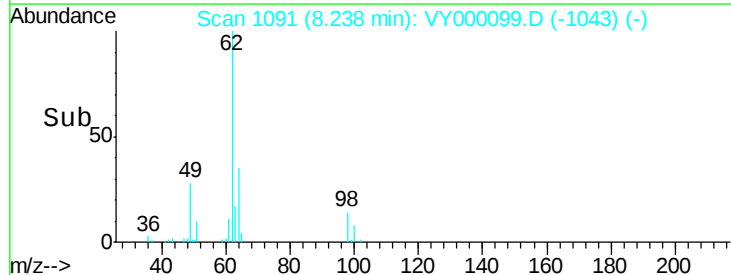
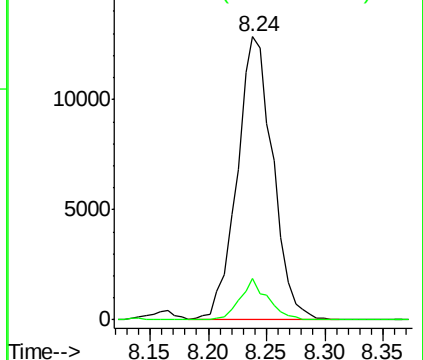


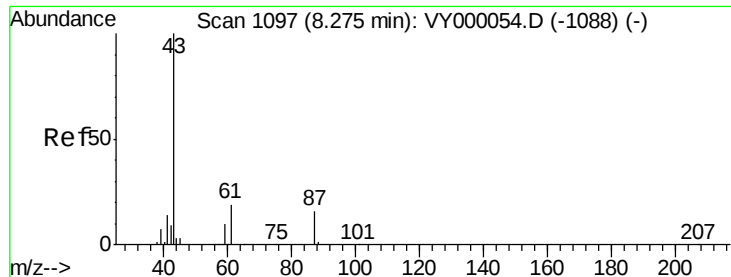
#42
1,2-Dichloroethane
Concen: 21.041 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 62 Resp: 27509
Ion Ratio Lower Upper
62 100
98 11.1 0.0 23.6



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



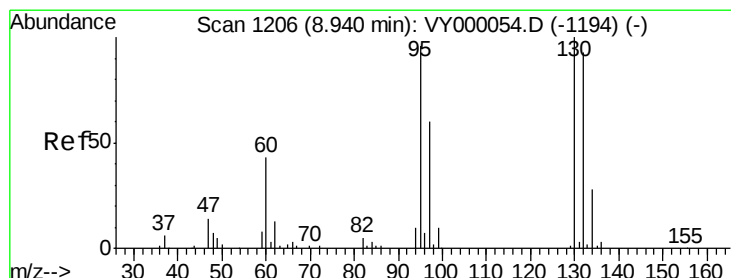
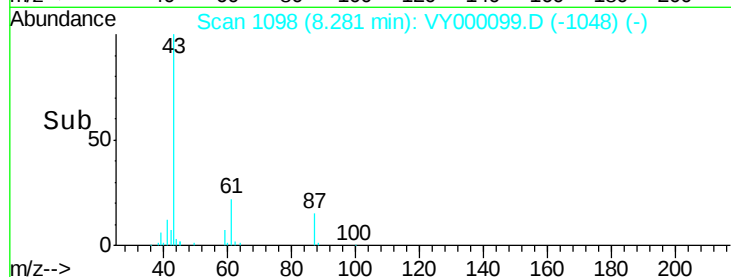
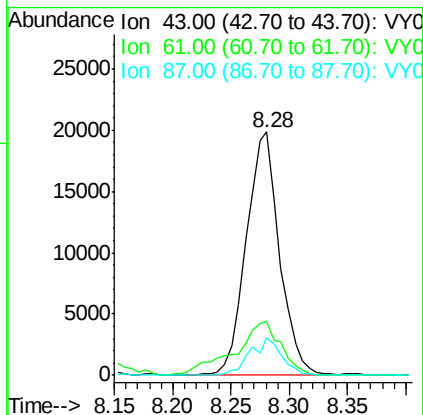
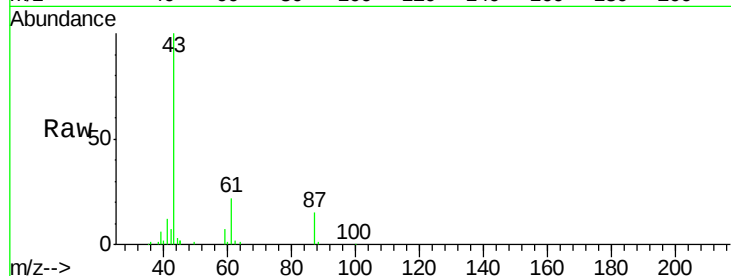


#43

Isopropyl Acetate
 Concen: 20.275 ug/l
 RT: 8.28 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampled :

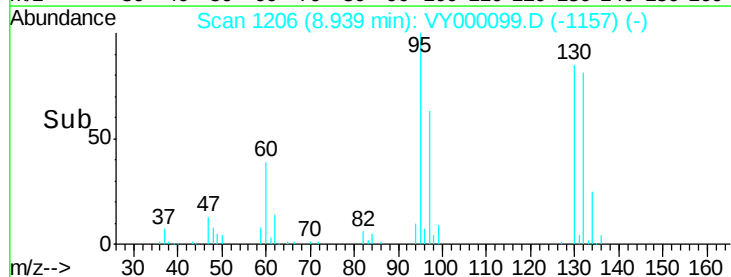
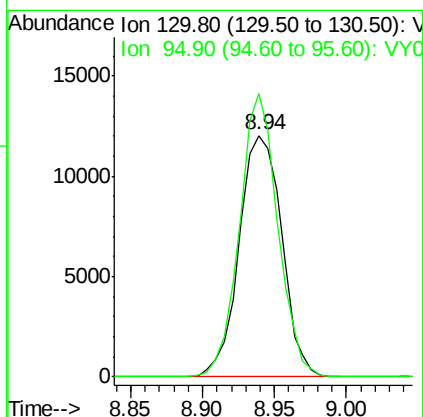
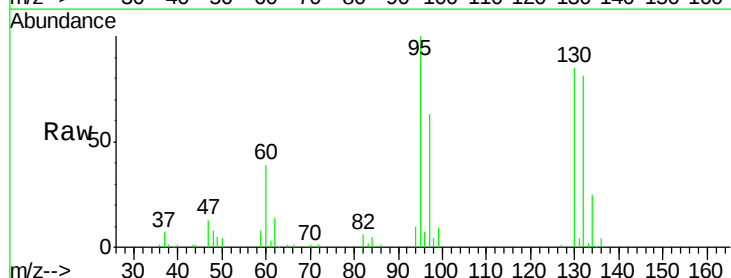
Tot Ion	43	Resp	39499
Ion Ratio	Lower	Upper	
43	100		
61	30.7	25.0	37.6
87	14.9	12.4	18.6

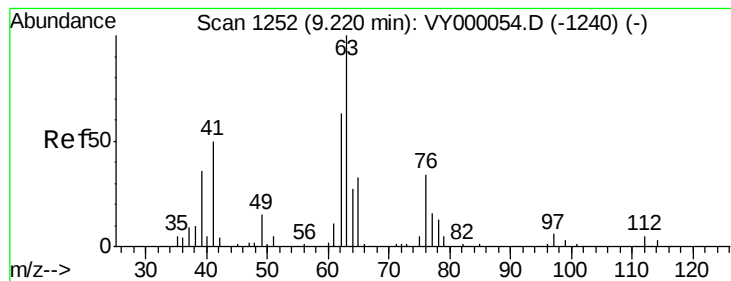


#44

Trichloroethene
 Concen: 19.571 ug/l
 RT: 8.94 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	130	Resp	24678
Ion Ratio	Lower	Upper	
130	100		
95	117.2	0.0	192.0





#45

1,2-Dichloropropane

Concen: 20.457 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

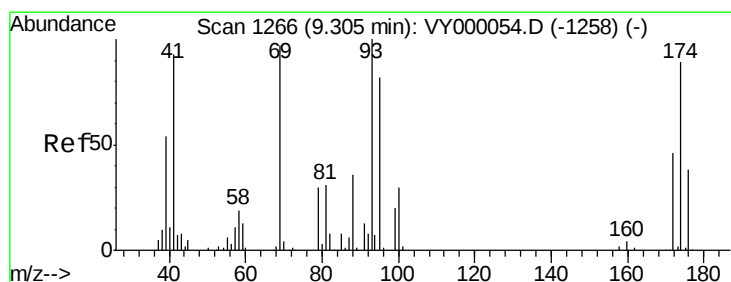
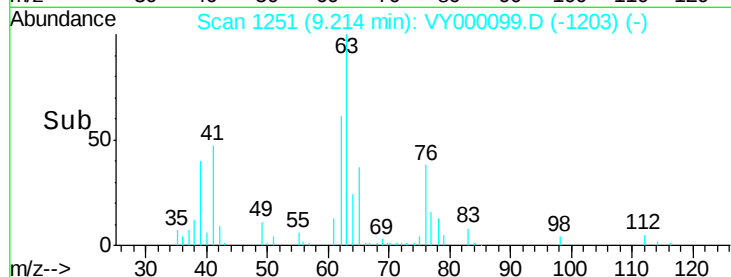
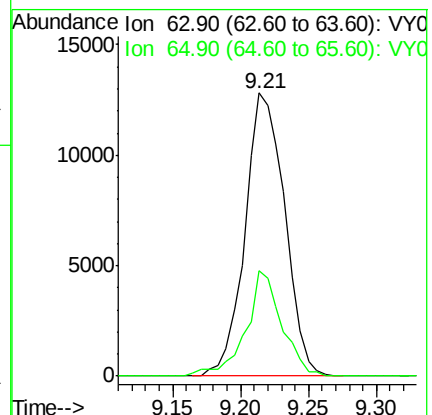
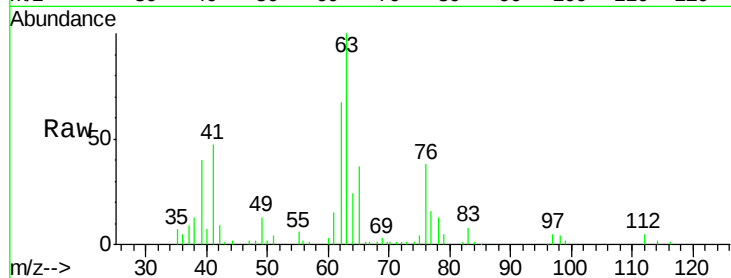
ClientSampled :

Tot Ion: 63 Resp: 26156

Ion Ratio Lower Upper

63 100

65 37.4 26.2 39.4



#46

Dibromomethane

Concen: 20.513 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

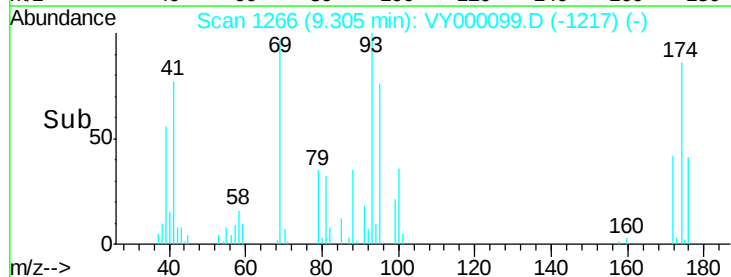
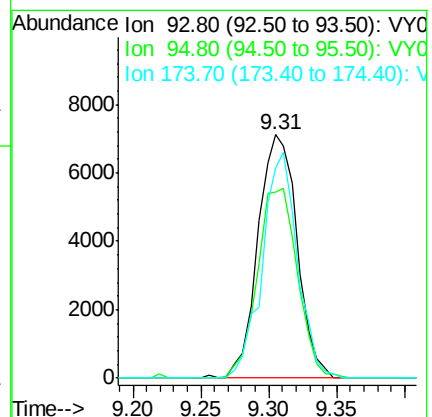
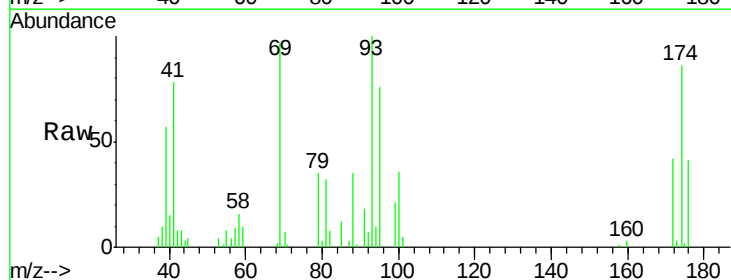
Tgt Ion: 93 Resp: 14326

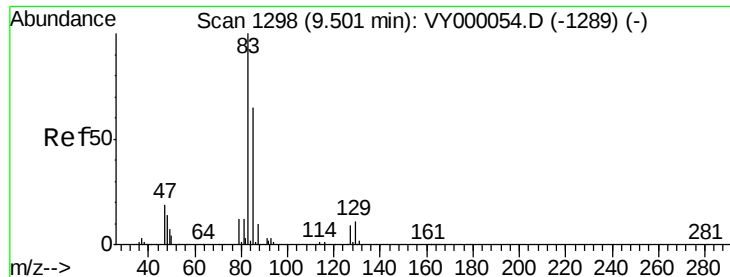
Ion Ratio Lower Upper

93 100

95 80.0 68.1 102.1

174 83.6 67.8 101.6





#47

Bromodichloromethane

Concen: 20.915 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

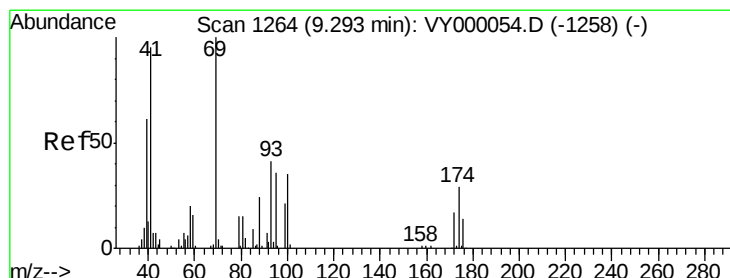
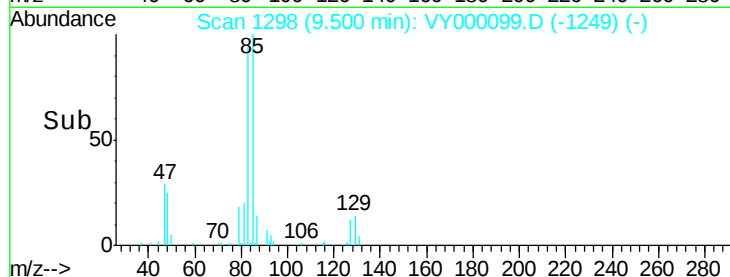
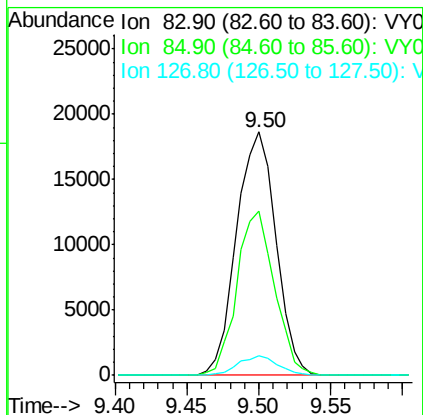
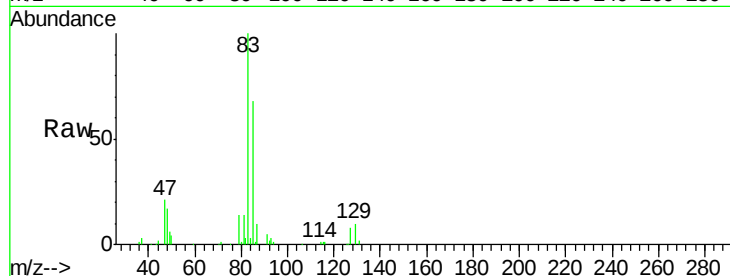
Tot Ion: 83 Resp: 35444

Ion Ratio Lower Upper

83 100

85 67.5 52.3 78.5

127 8.2 6.8 10.2



#48

Methyl methacrylate

Concen: 19.261 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

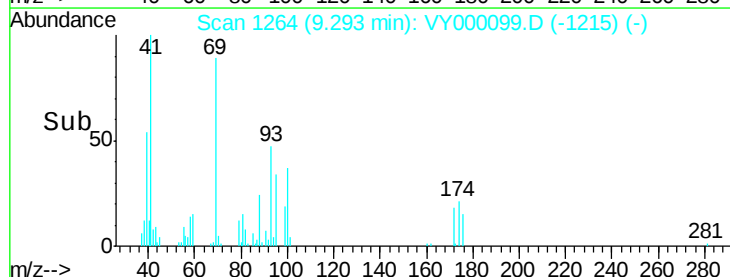
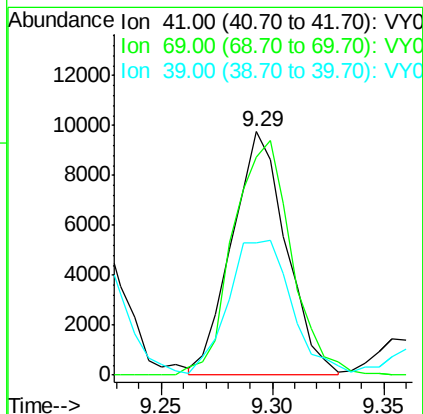
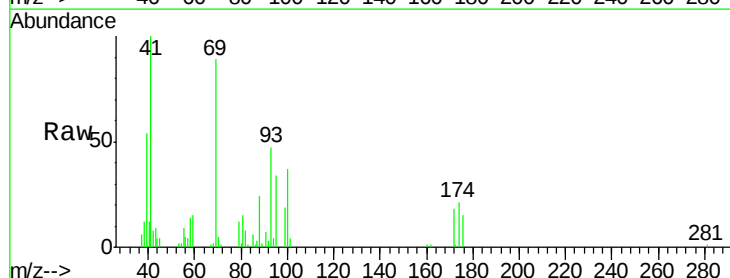
Tgt Ion: 41 Resp: 16502

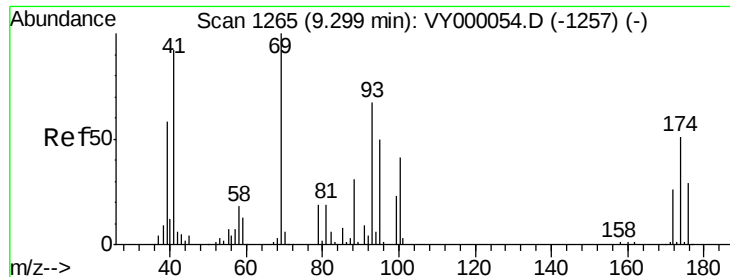
Ion Ratio Lower Upper

41 100

69 104.0 78.1 117.1

39 65.3 49.4 74.0

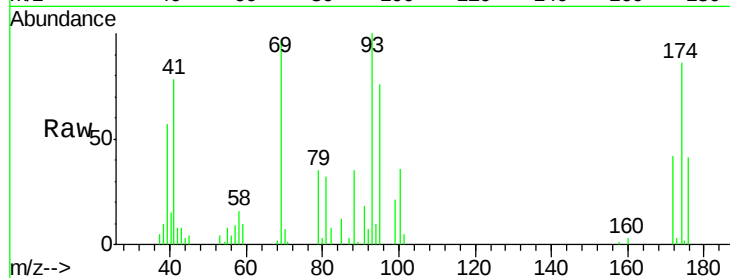




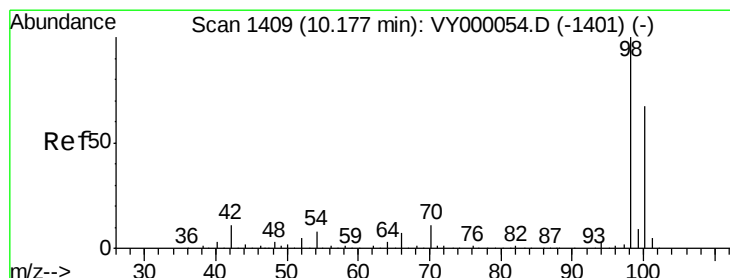
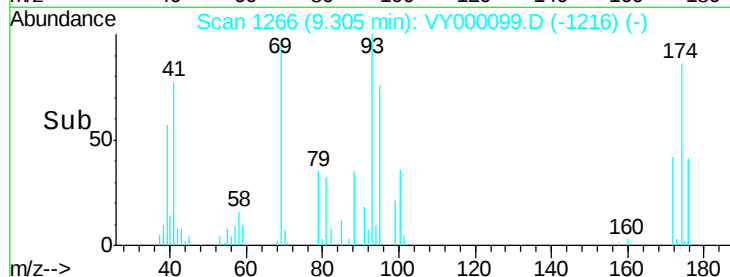
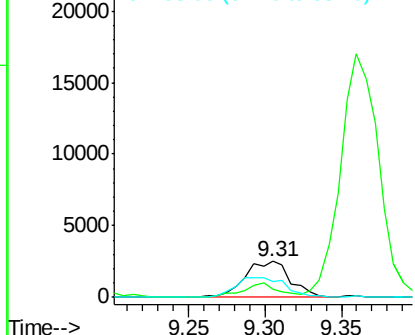
#49
1,4-Dioxane
Concen: 386.443 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 5240
Ion Ratio Lower Upper
88 100
43 31.6 18.7 28.1#
58 61.0 53.0 79.6

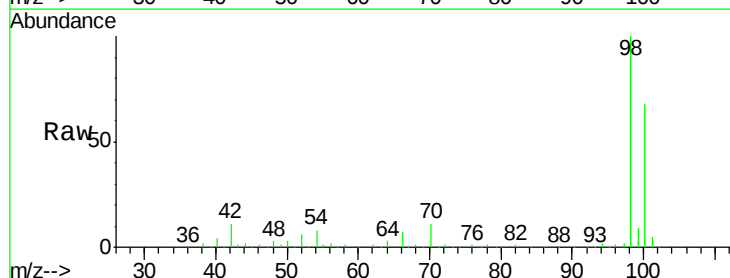


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

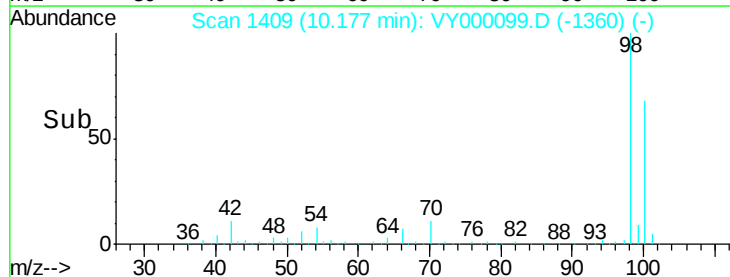
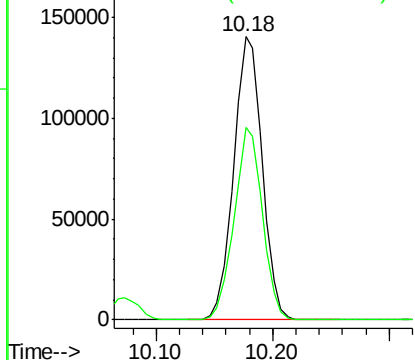


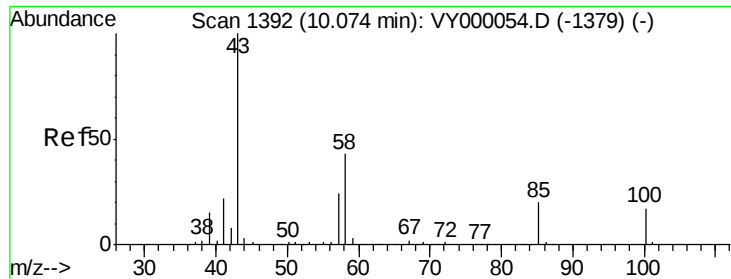
#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 98 Resp: 239386
Ion Ratio Lower Upper
98 100
100 67.2 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: 101.558 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

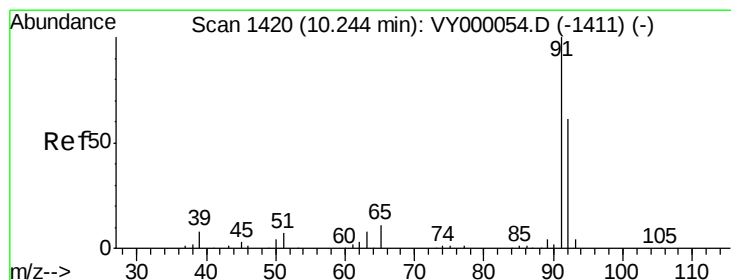
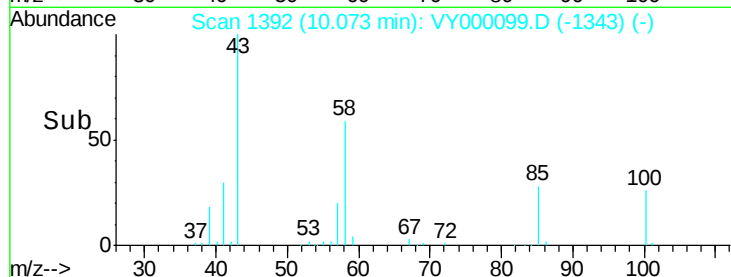
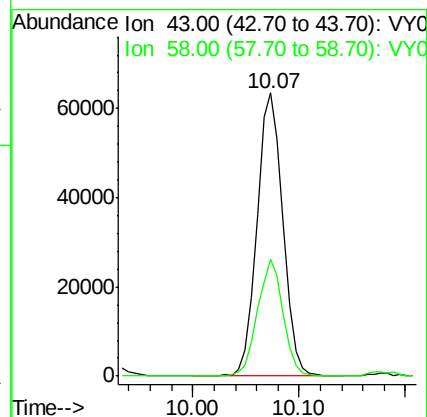
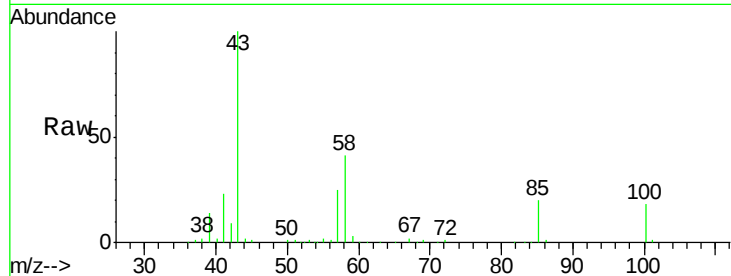
ClientSampleId :

Tot Ion: 43 Resp: 108023

Ion Ratio Lower Upper

43 100

58 40.8 34.2 51.2



#52

Toluene

Concen: 19.961 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000099.D

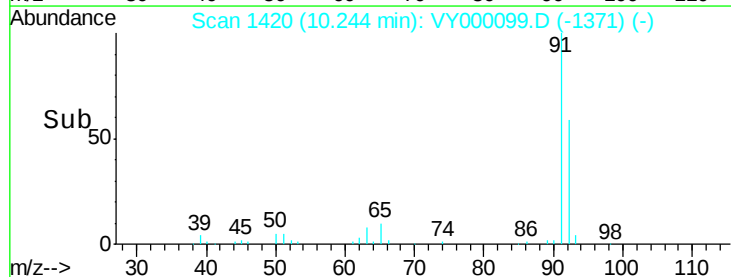
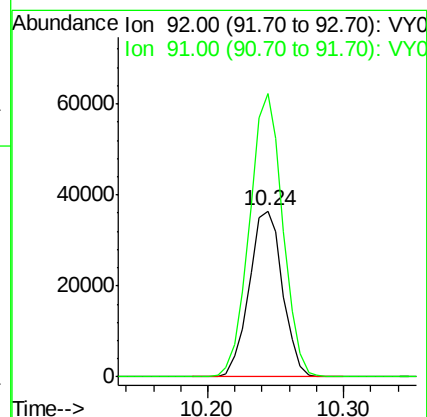
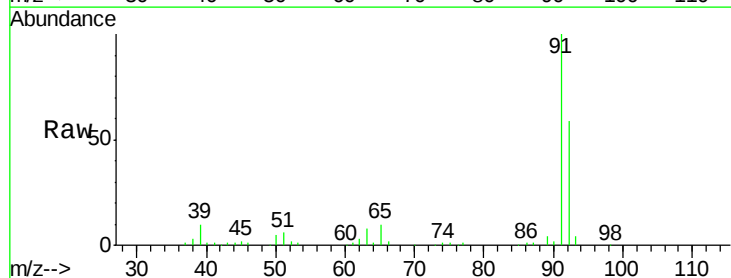
Acq: 20 Sep 2019 11:43

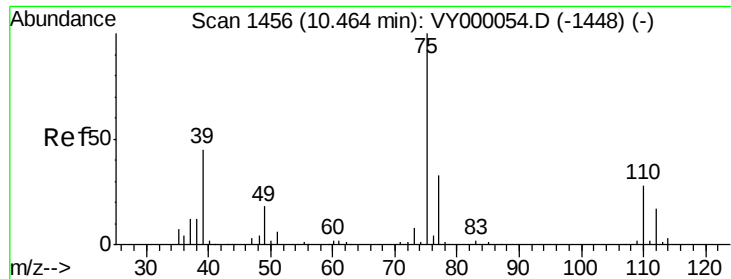
Tgt Ion: 92 Resp: 62595

Ion Ratio Lower Upper

92 100

91 170.3 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 20.388 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

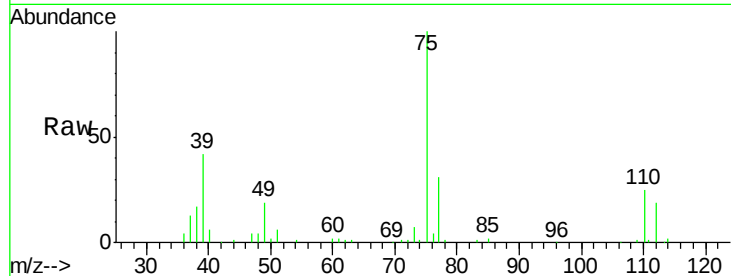
ClientSampled :

Tot Ion: 75 Resp: 36635

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.46

25000

20000

15000

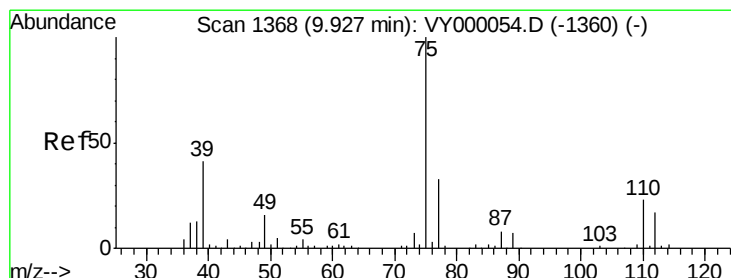
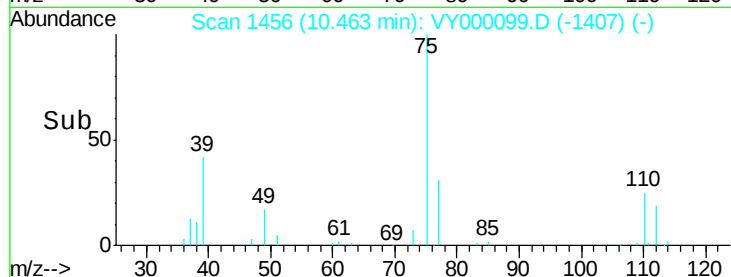
10000

5000

0

Time-->

10.40 10.45 10.50



#54

cis-1,3-Dichloropropene

Concen: 20.197 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

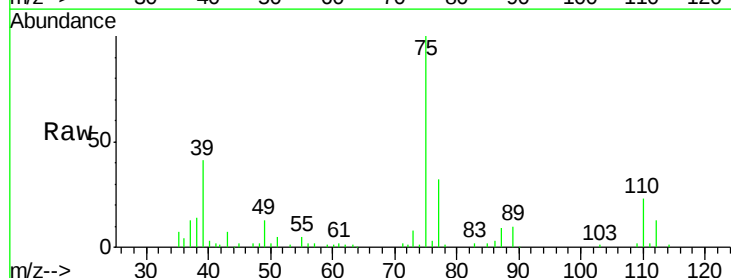
Tgt Ion: 75 Resp: 41910

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1

39 41.2 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

30000

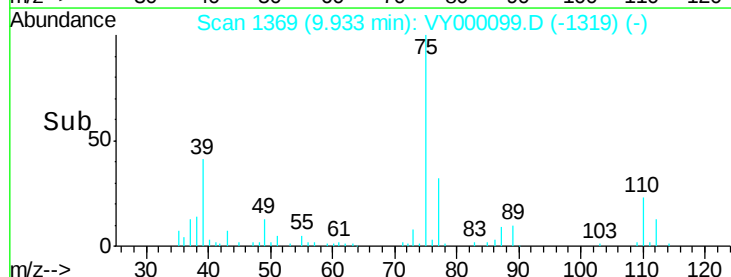
20000

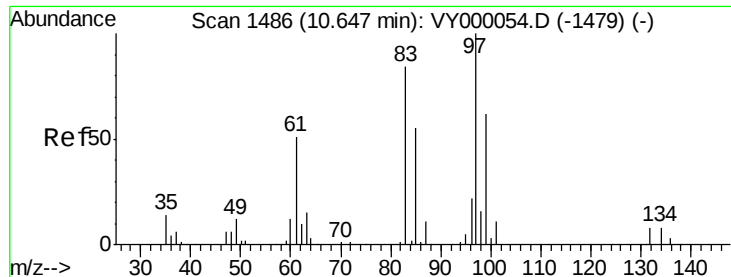
10000

0

Time-->

9.90 9.95 10.00

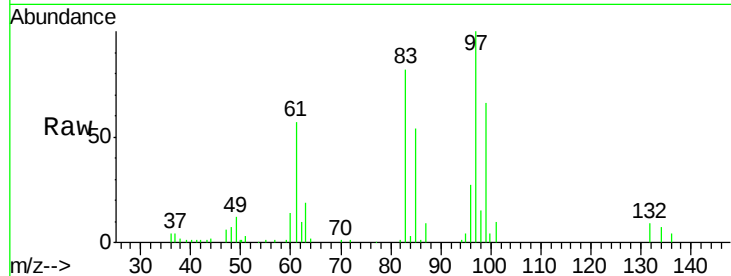




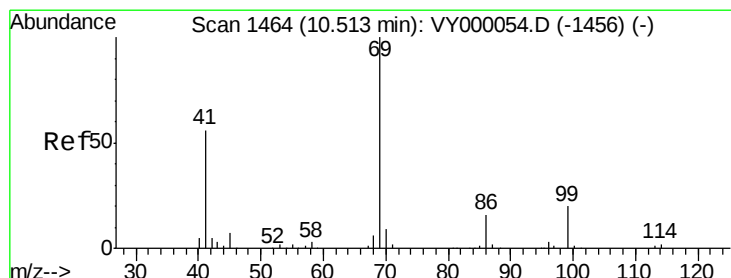
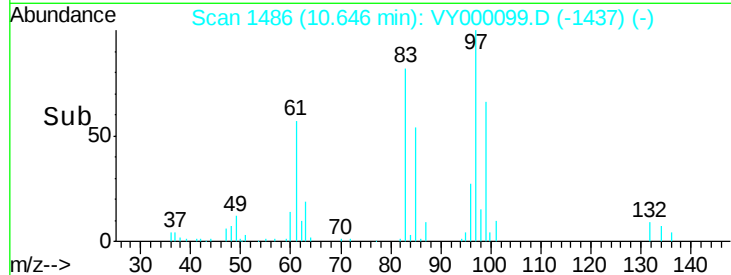
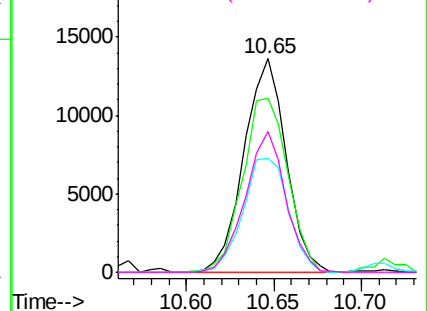
#55
 1,1,2-Trichloroethane
 Concen: 20.770 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 97 Resp: 22741
 Ion Ratio Lower Upper
 97 100
 83 81.8 67.3 100.9
 85 53.6 43.6 65.4
 99 65.9 49.8 74.6

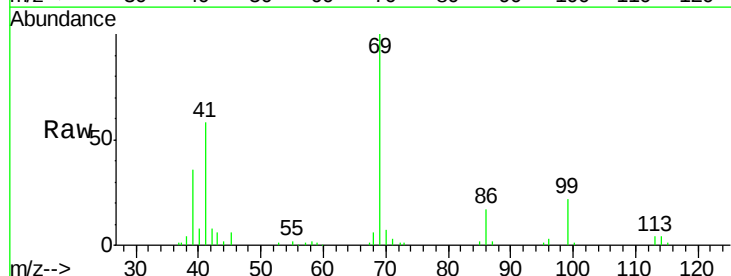


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

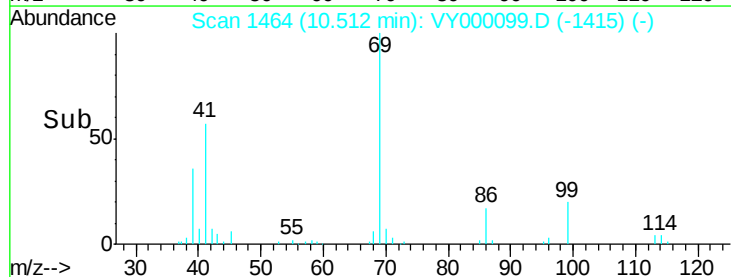
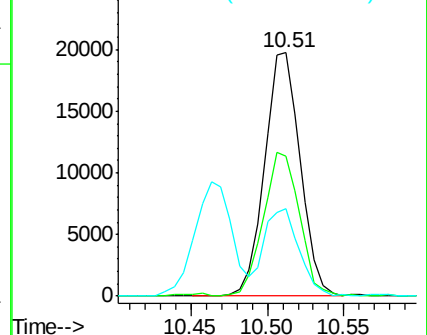


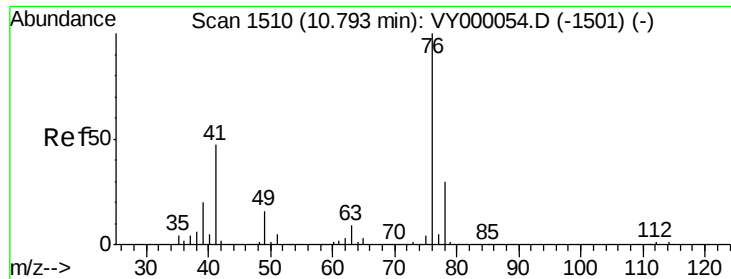
#56
 Ethyl methacrylate
 Concen: 20.573 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion: 69 Resp: 32054
 Ion Ratio Lower Upper
 69 100
 41 60.1 45.6 68.4
 39 35.5 27.3 40.9



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

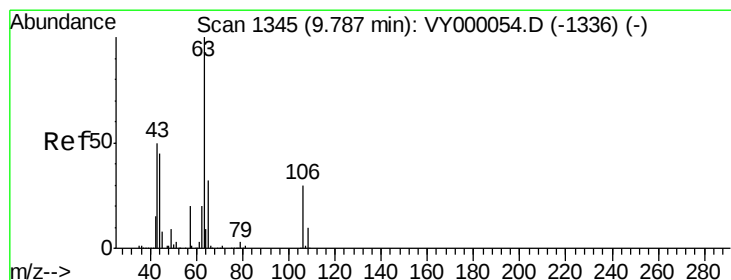
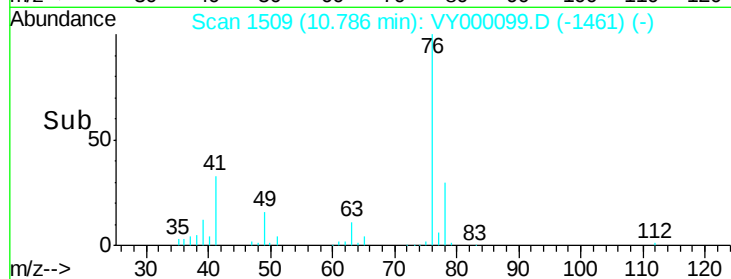
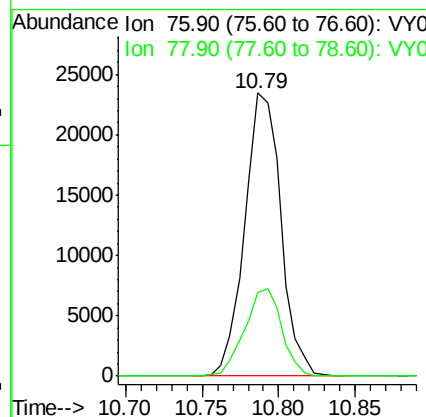
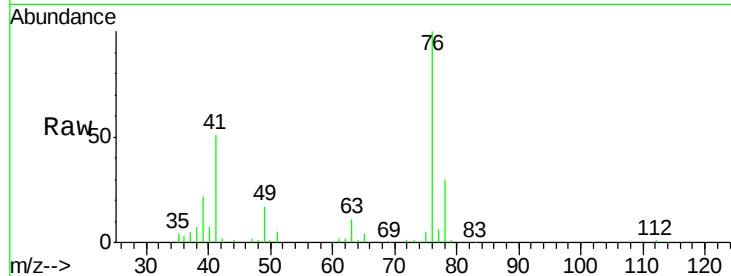




#57
 1,3-Dichloropropane
 Concen: 20.968 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

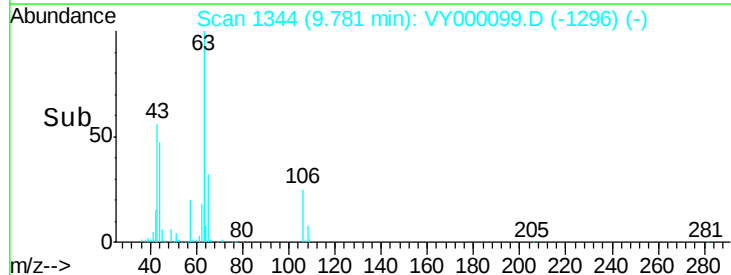
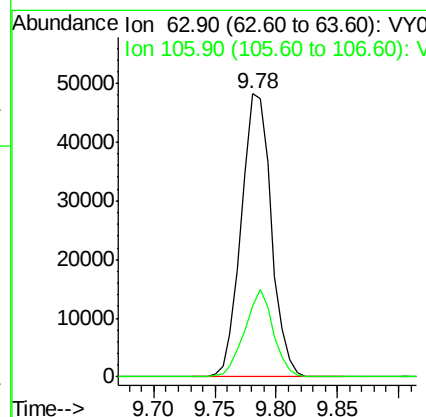
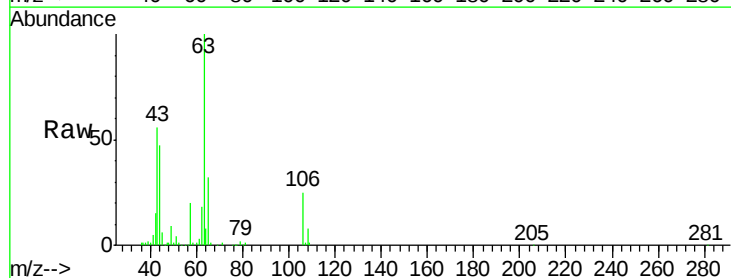
Instrument :
 MSVOA_Y
 ClientSampleId :

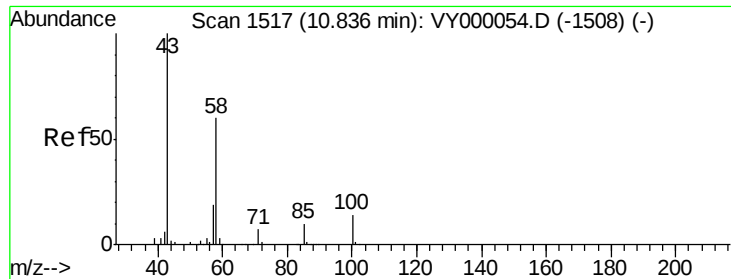
Tot Ion: 76 Resp: 38565
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.409 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion: 63 Resp: 82041
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.3 34.9

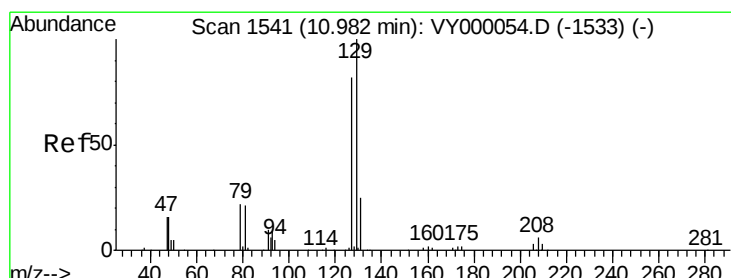
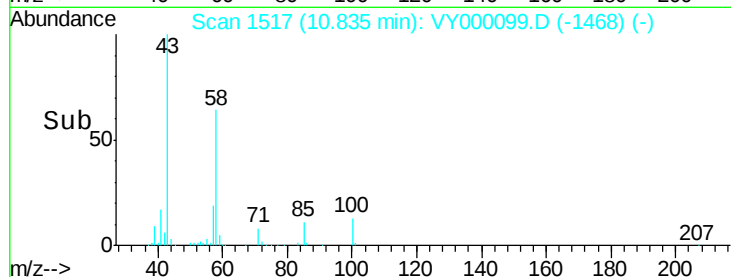
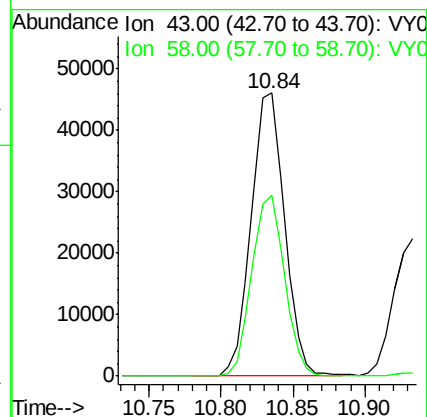
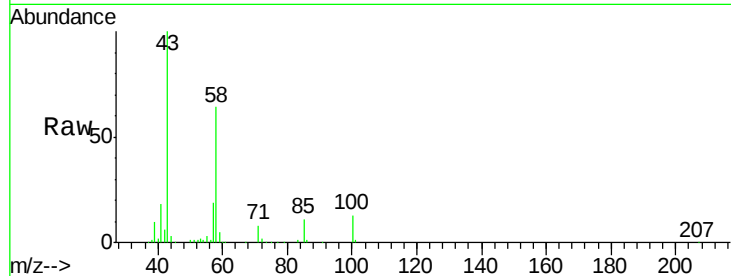




#59
2-Hexanone
Concen: 97.448 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

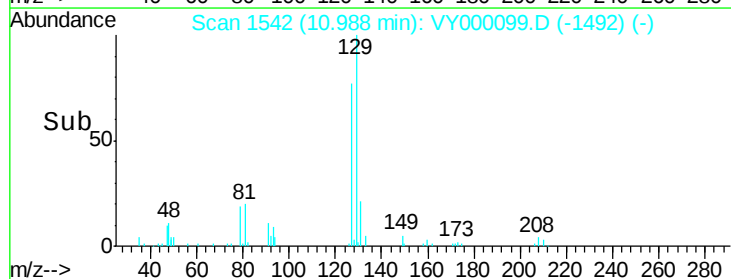
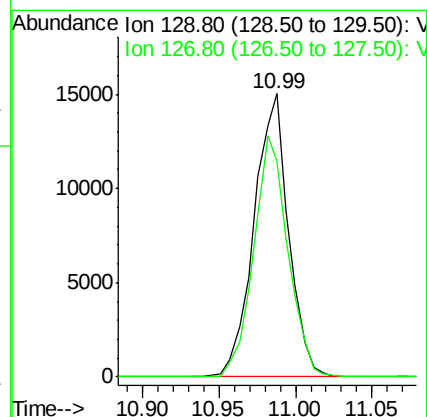
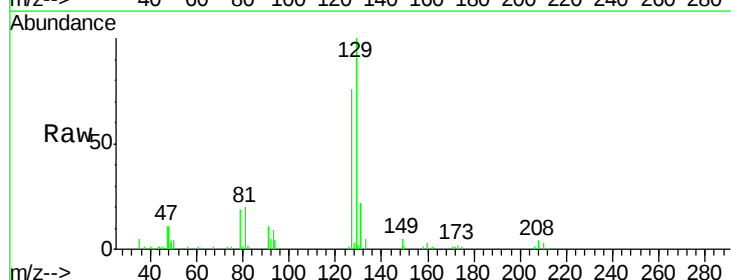
Instrument :
MSVOA_Y
ClientSampleId :

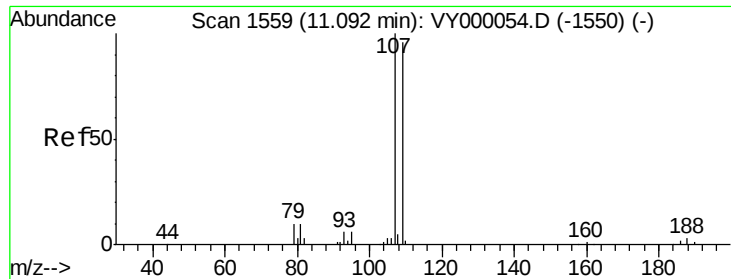
Tot Ion: 43 Resp: 73946
Ion Ratio Lower Upper
43 100
58 62.7 29.9 89.7



#60
Dibromochloromethane
Concen: 20.517 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 129 Resp: 23534
Ion Ratio Lower Upper
129 100
127 84.6 40.2 120.6

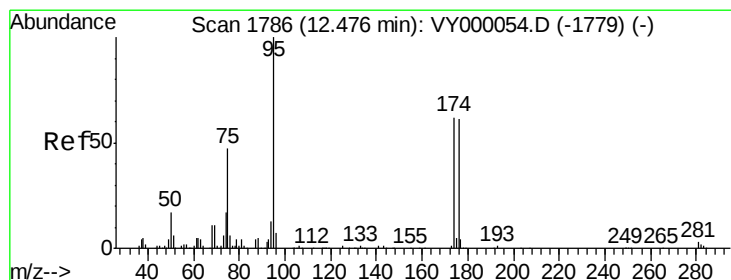
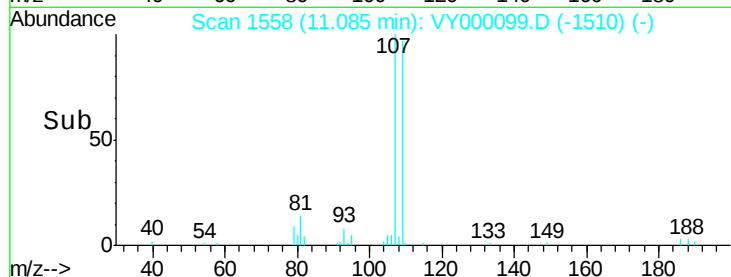
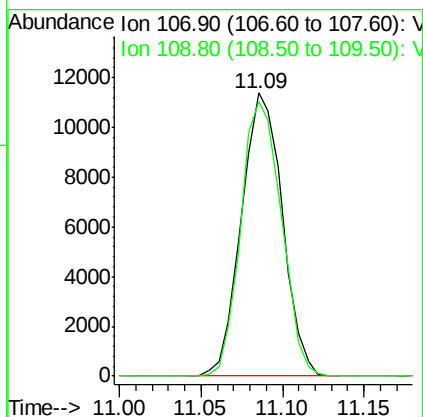
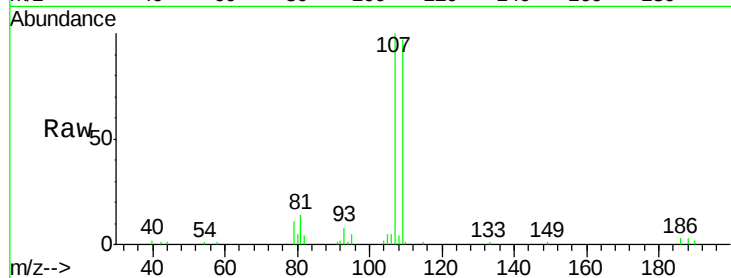




#61
 1,2-Dibromoethane
 Concen: 19.881 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

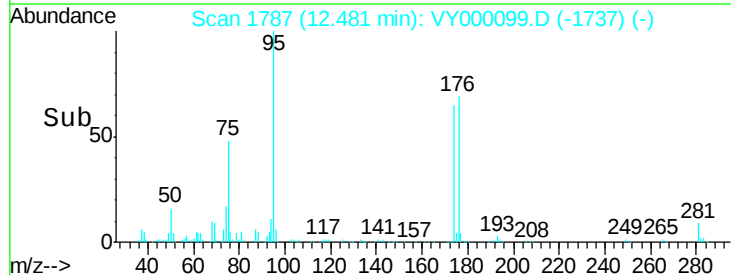
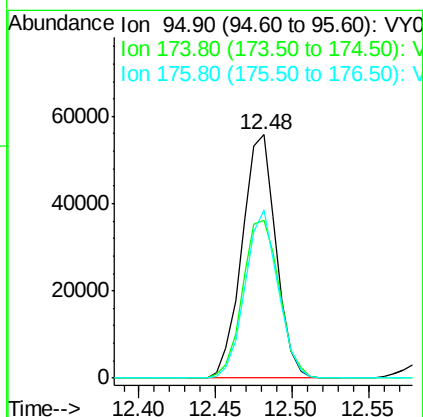
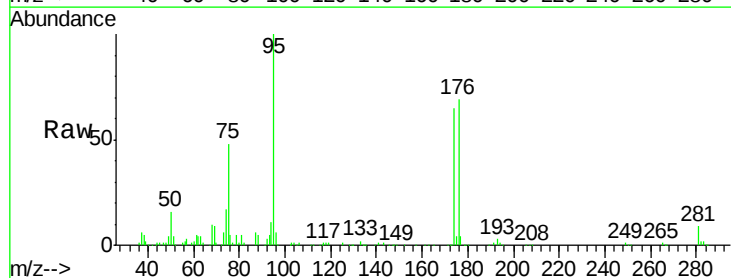
Instrument :
 MSVOA_Y
 ClientSampleId :

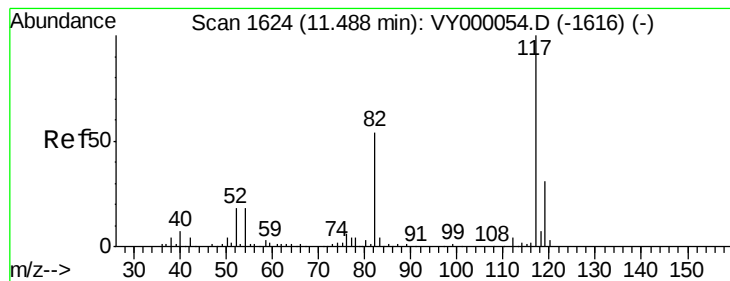
Tot Ion:107 Resp: 19883
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.673 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion: 95 Resp: 85890
 Ion Ratio Lower Upper
 95 100
 174 70.1 0.0 137.2
 176 67.0 0.0 135.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

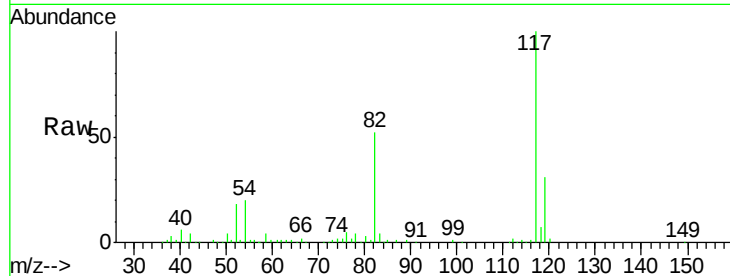
Tot Ion:117 Resp: 177815

Ion Ratio Lower Upper

117 100

82 52.0 43.5 65.3

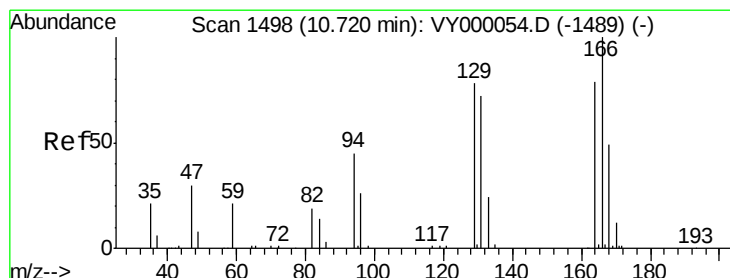
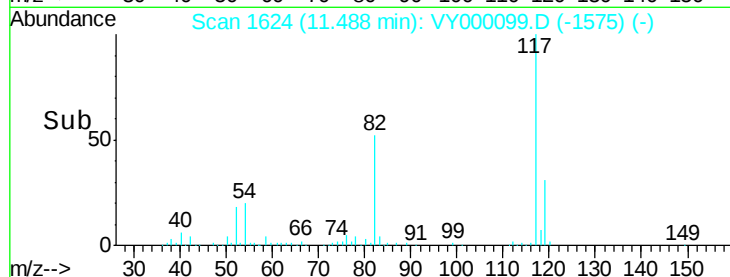
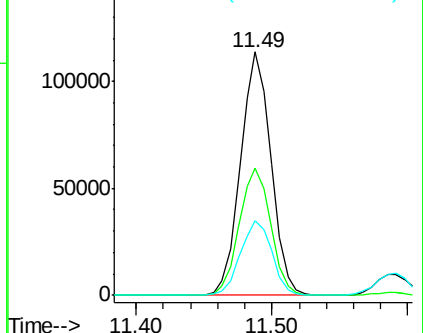
119 30.8 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.290 ug/l

RT: 10.72 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:164 Resp: 22644

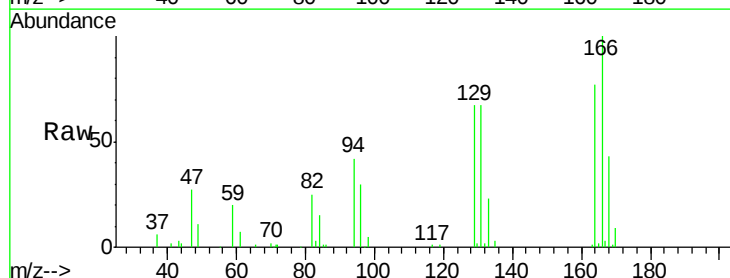
Ion Ratio Lower Upper

164 100

166 130.6 100.9 151.3

129 88.0 78.4 117.6

131 87.5 72.2 108.2

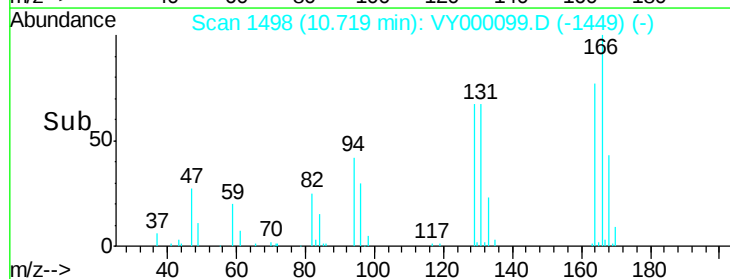
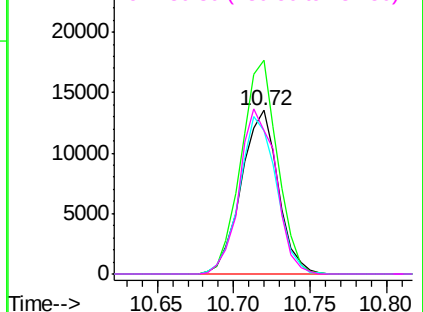


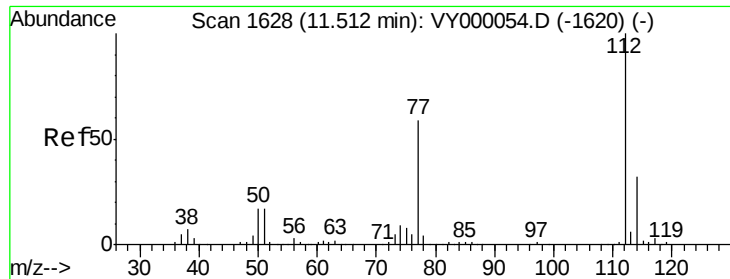
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

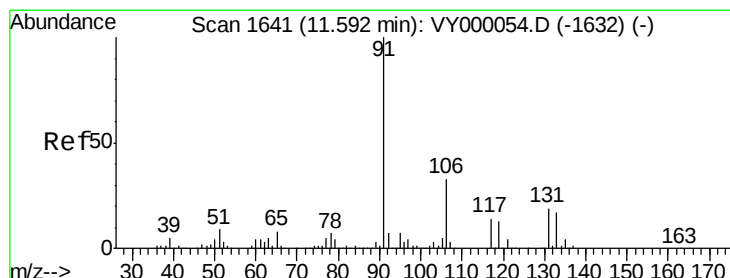
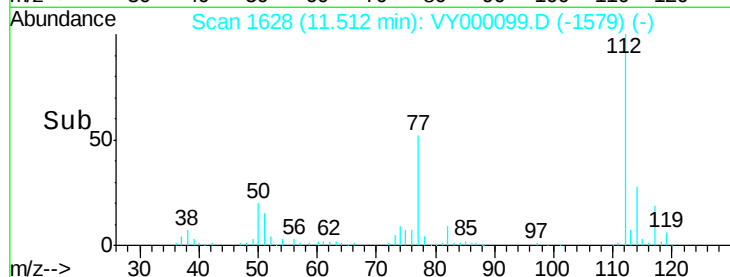
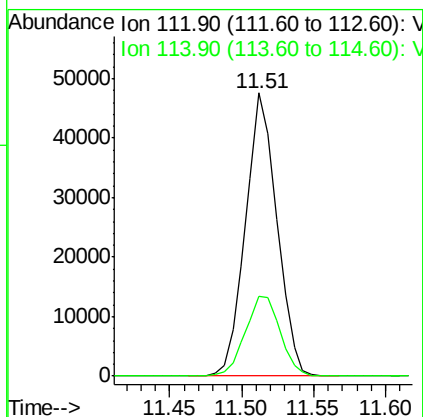
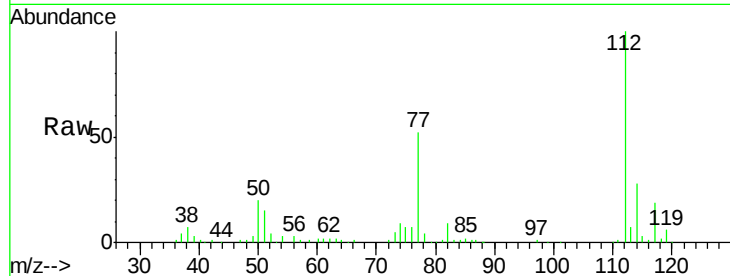




#65
Chlorobenzene
Concen: 20.446 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

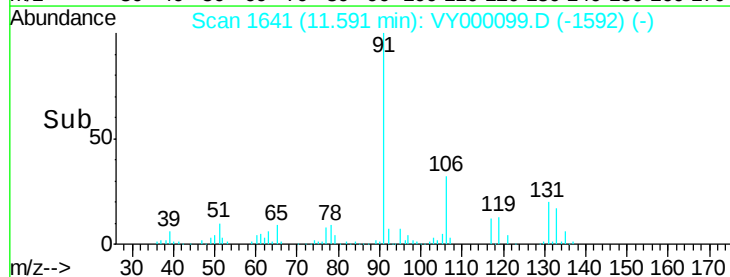
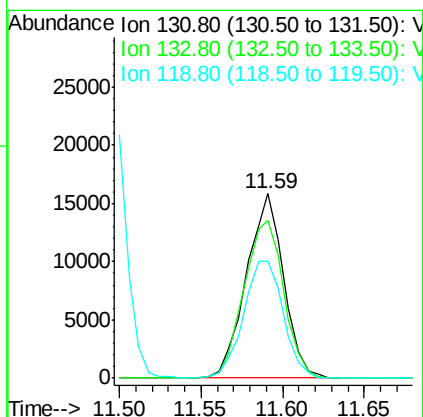
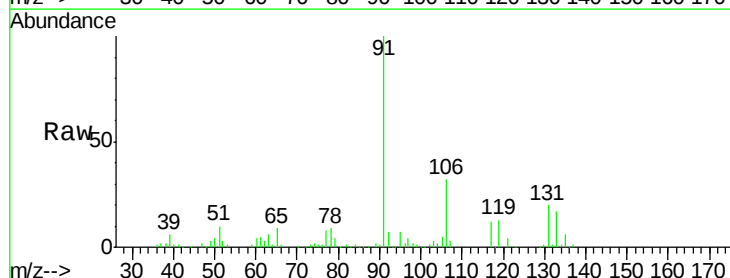
Instrument :
MSVOA_Y
ClientSampleId :

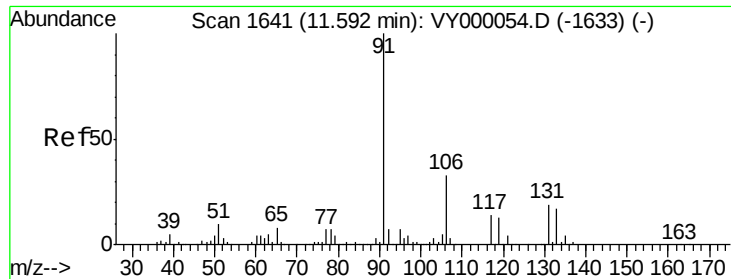
Tot Ion:112 Resp: 71914
Ion Ratio Lower Upper
112 100
114 28.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.051 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion:131 Resp: 25034
Ion Ratio Lower Upper
131 100
133 91.6 46.6 139.8
119 67.9 36.2 108.6

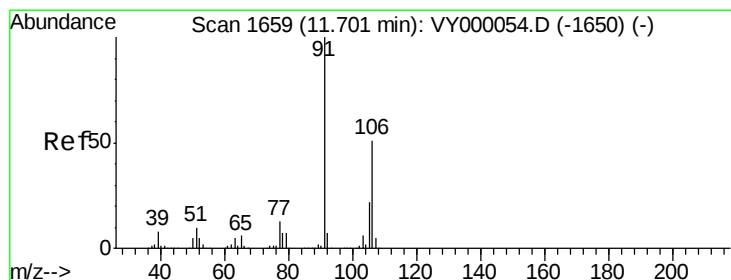
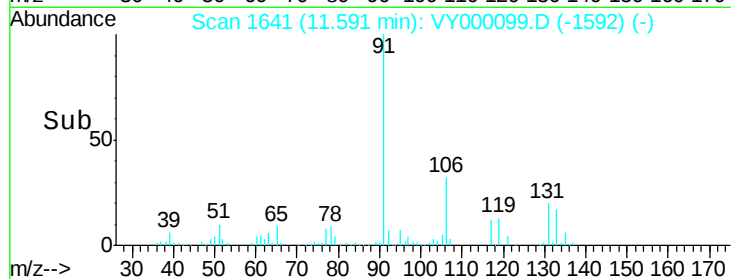
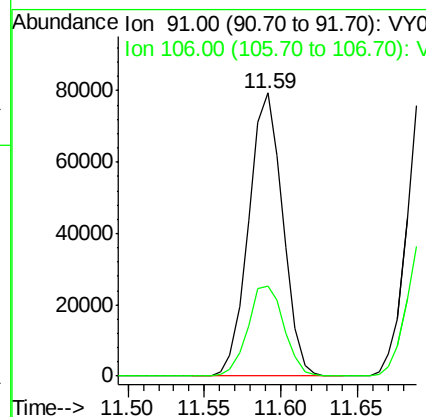
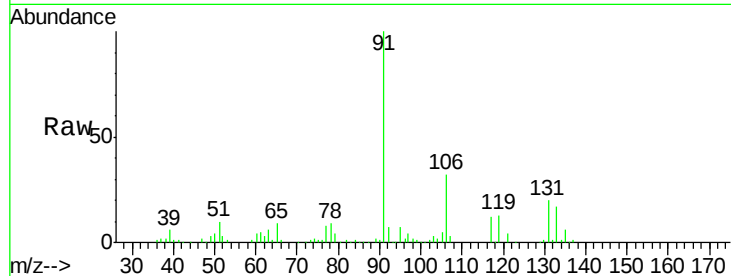




#67
Ethyl Benzene
Concen: 19.616 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

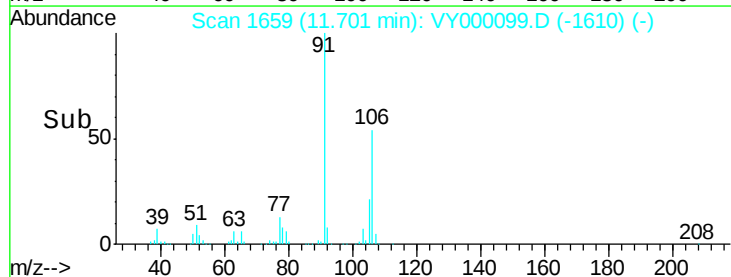
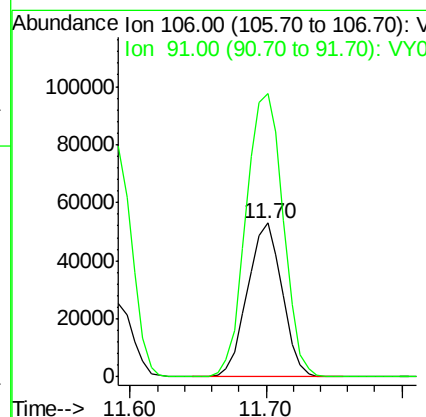
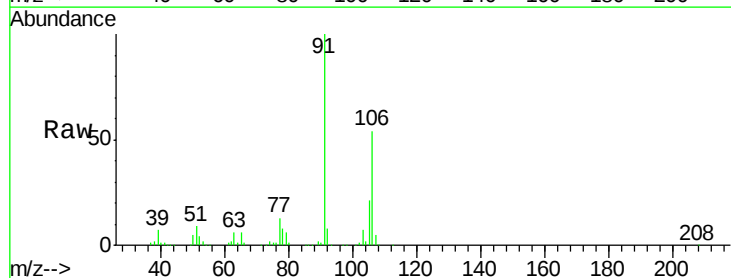
Instrument :
MSVOA_Y
ClientSampleId :

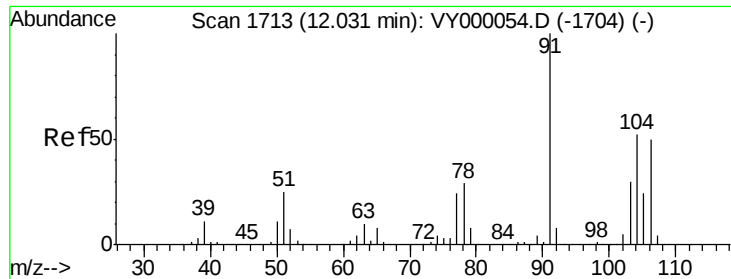
Tot Ion: 91 Resp: 123128
Ion Ratio Lower Upper
91 100
106 31.7 26.6 40.0



#68
m/p-Xylenes
Concen: 39.615 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 106 Resp: 94618
Ion Ratio Lower Upper
106 100
91 197.4 154.5 231.7

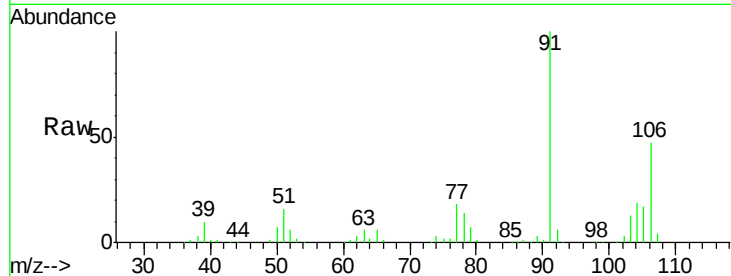




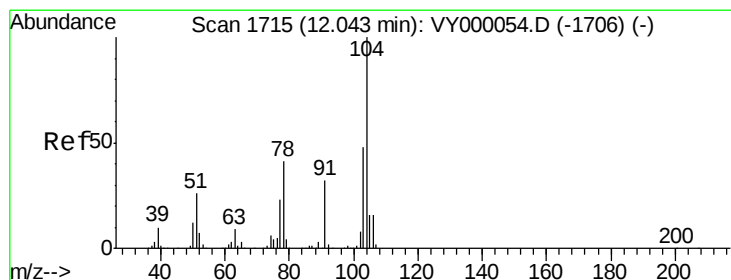
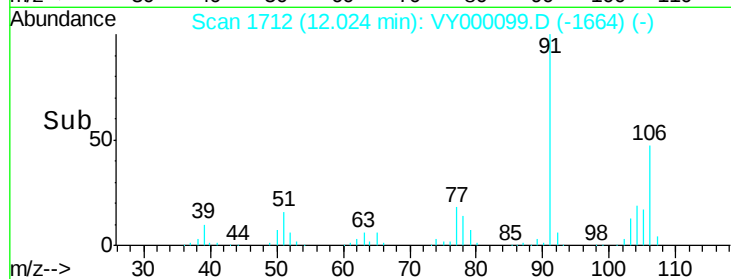
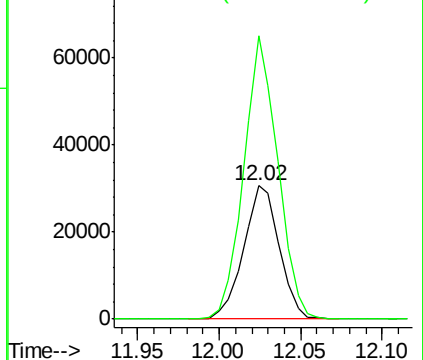
#69
o-Xylene
Concen: 20.219 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 46759
Ion Ratio Lower Upper
106 100
91 202.2 103.5 310.3

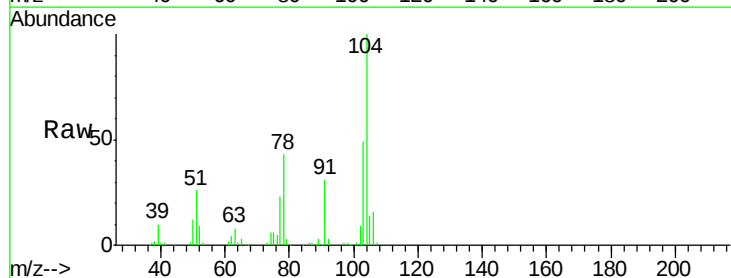


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

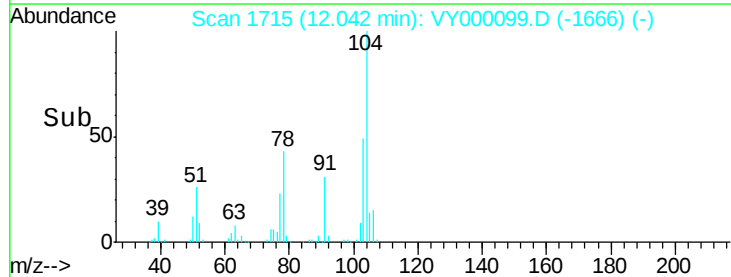
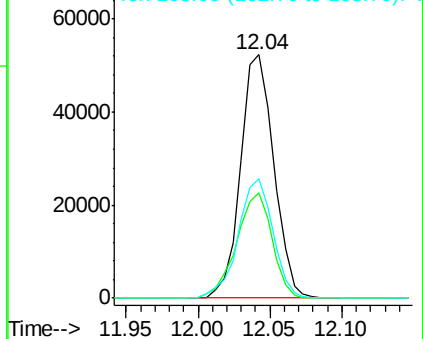


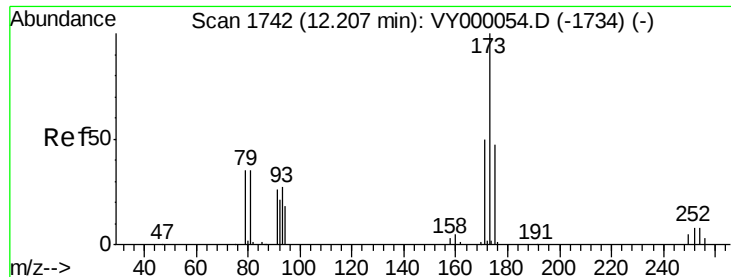
#70
Styrene
Concen: 20.618 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion:104 Resp: 83709
Ion Ratio Lower Upper
104 100
78 46.2 37.7 56.5
103 51.3 42.2 63.4



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





#71

Bromoform

Concen: 20.315 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

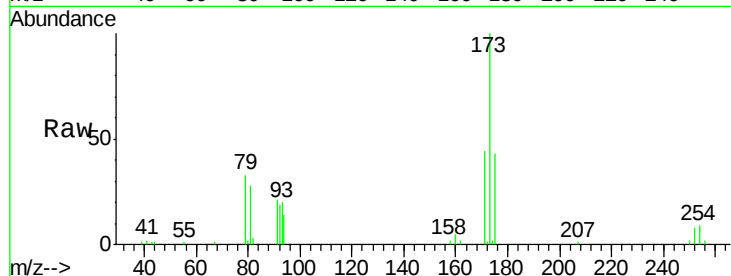
Tot Ion:173 Resp: 13986

Ion Ratio Lower Upper

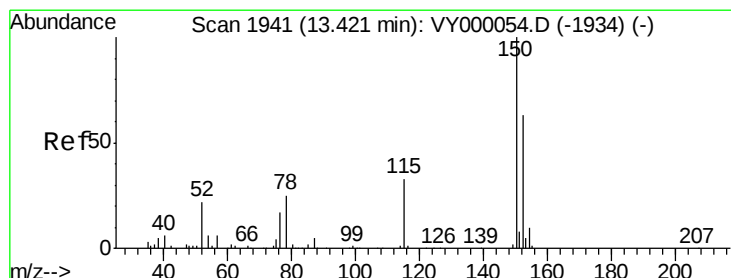
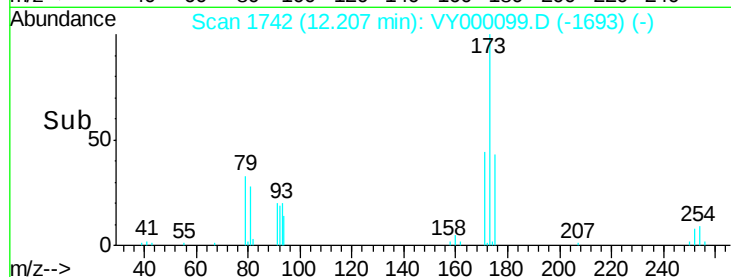
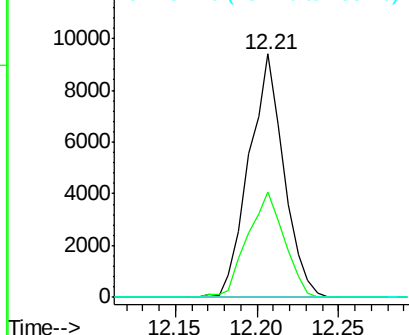
173 100

175 45.9 23.6 71.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

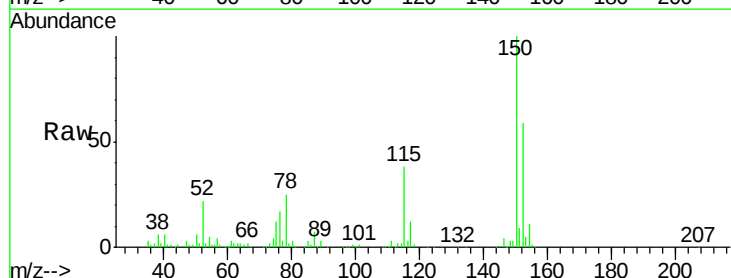
Tgt Ion:152 Resp: 76256

Ion Ratio Lower Upper

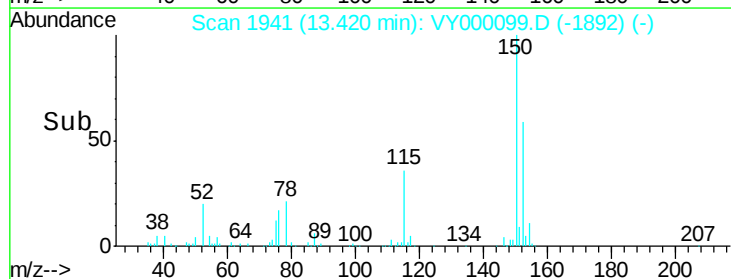
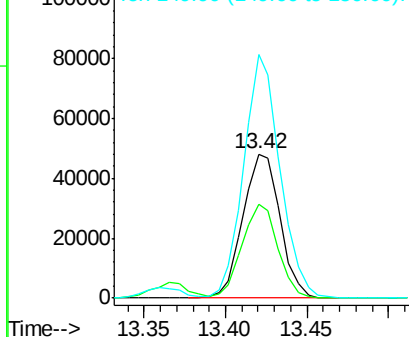
152 100

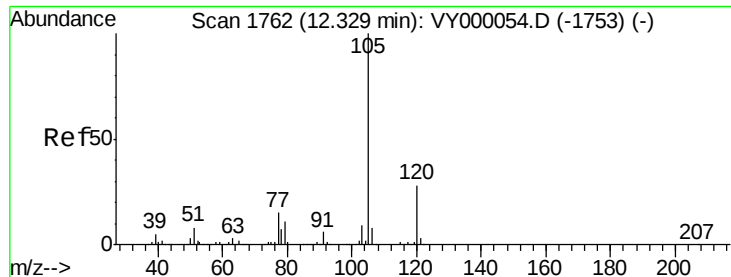
115 62.7 30.7 92.1

150 165.4 0.0 351.6



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





#73

Isopropylbenzene

Concen: 20.019 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

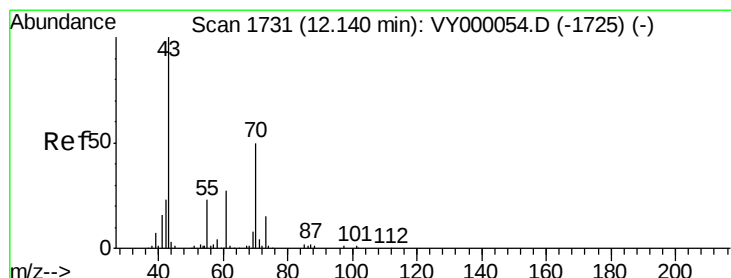
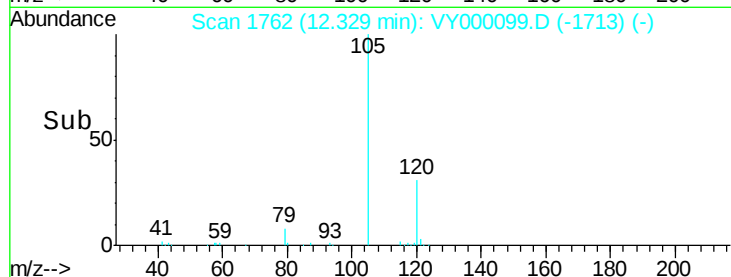
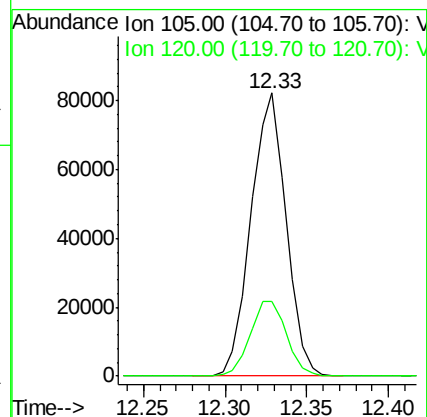
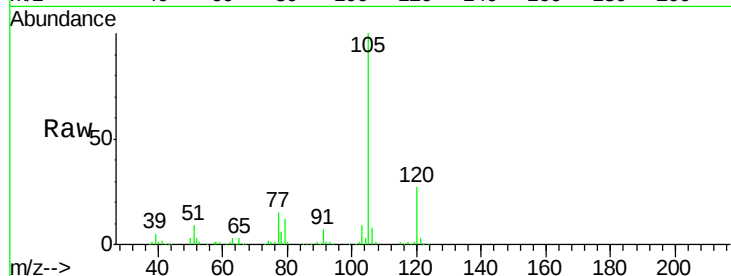
ClientSampleId :

Tot Ion:105 Resp: 123028

Ion Ratio Lower Upper

105 100

120 27.4 13.9 41.7



#74

N-ethyl acetate

Concen: 20.104 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion: 43 Resp: 35198

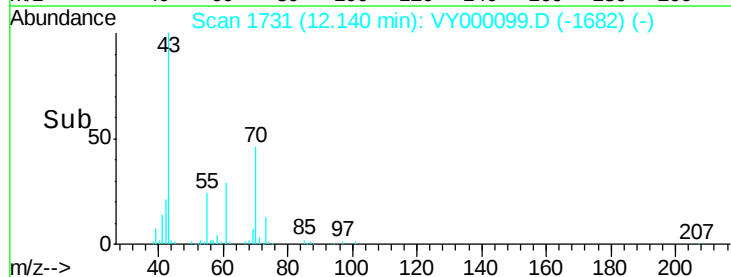
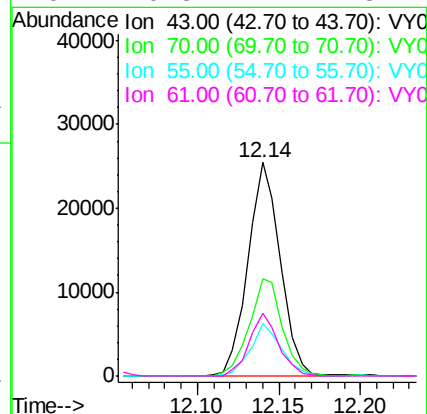
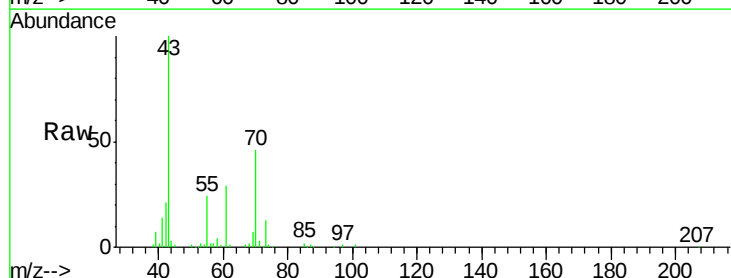
Ion Ratio Lower Upper

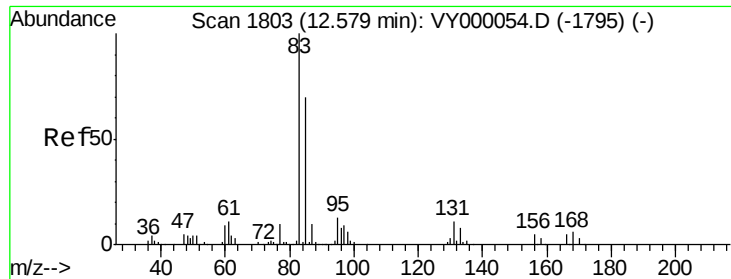
43 100

70 46.7 38.8 58.2

55 23.5 18.8 28.2

61 26.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.377 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

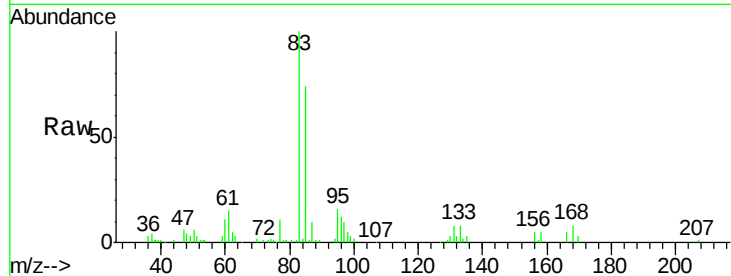
Tot Ion: 83 Resp: 28031

Ion Ratio Lower Upper

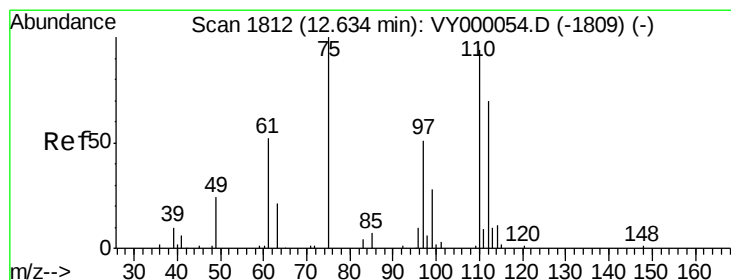
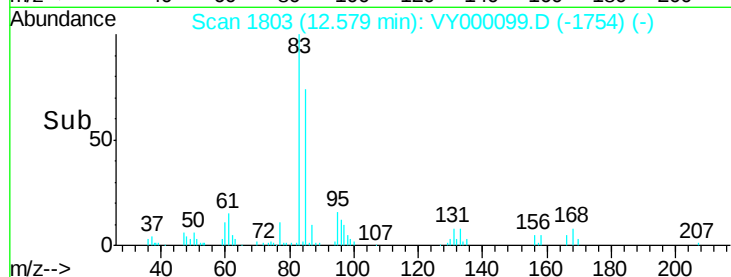
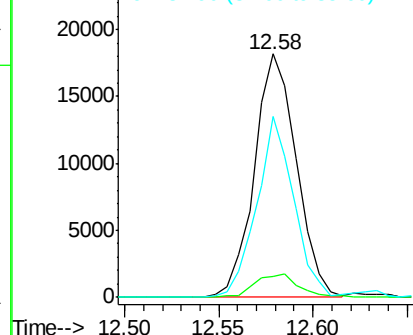
83 100

131 9.9 4.9 14.7

85 65.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 35.050 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VY000099.D

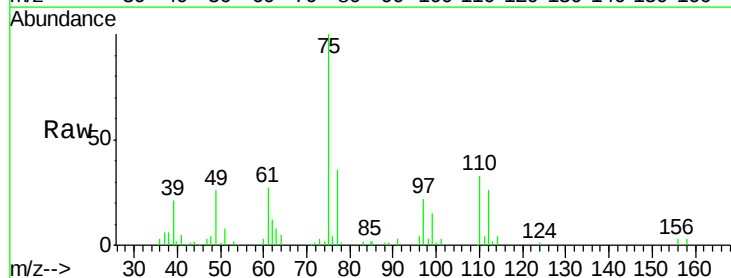
Acq: 20 Sep 2019 11:43

Tgt Ion: 75 Resp: 37606

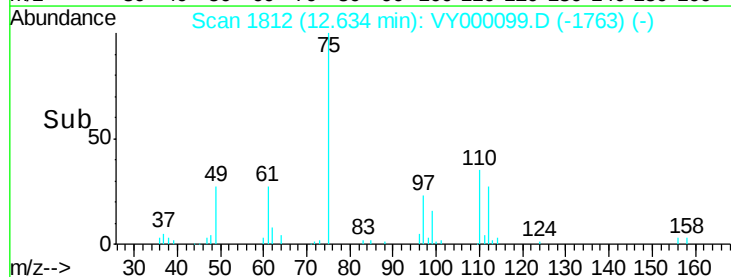
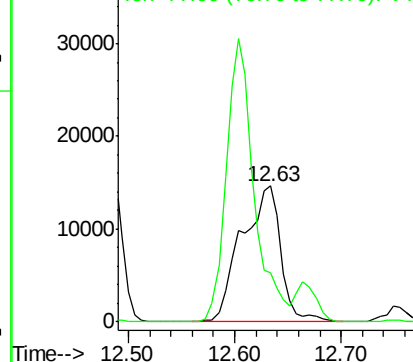
Ion Ratio Lower Upper

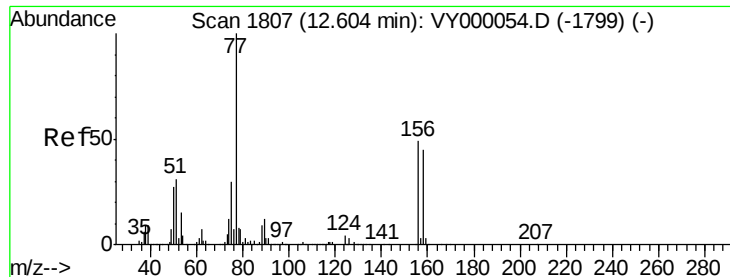
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.645 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

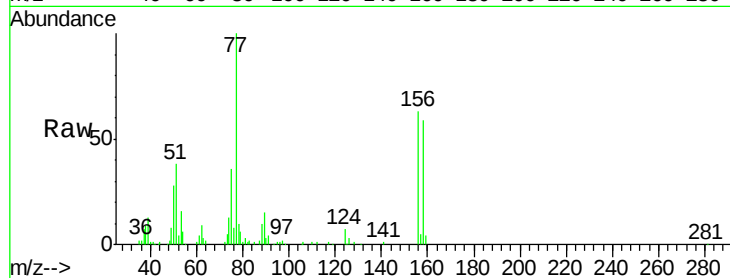
Tot Ion:156 Resp: 26493

Ion Ratio Lower Upper

156 100

77 209.4 109.7 329.0

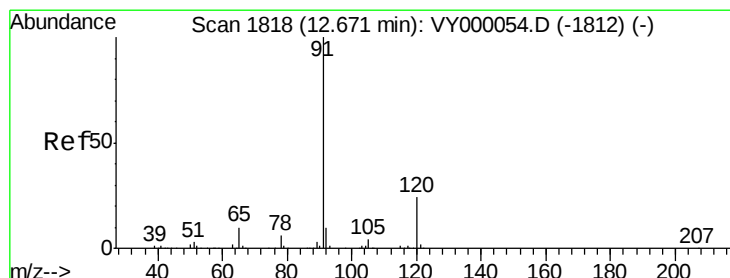
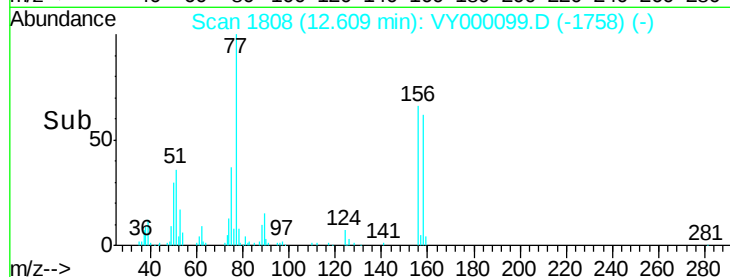
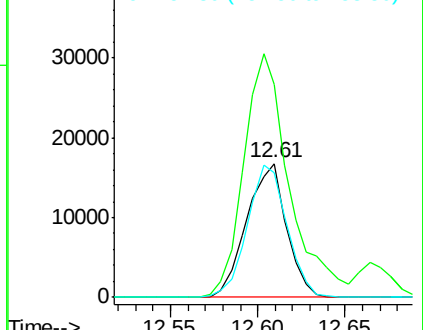
158 99.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.059 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000099.D

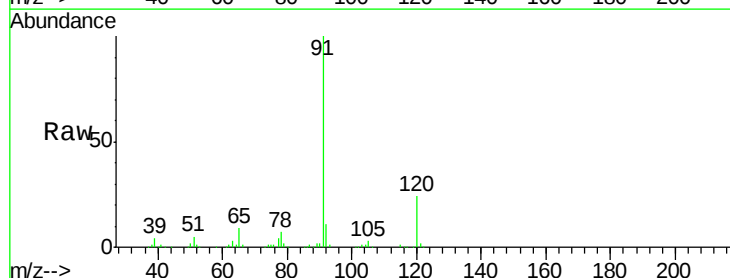
Acq: 20 Sep 2019 11:43

Tgt Ion: 91 Resp: 150373

Ion Ratio Lower Upper

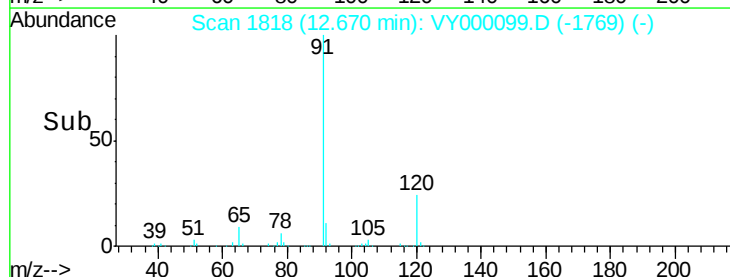
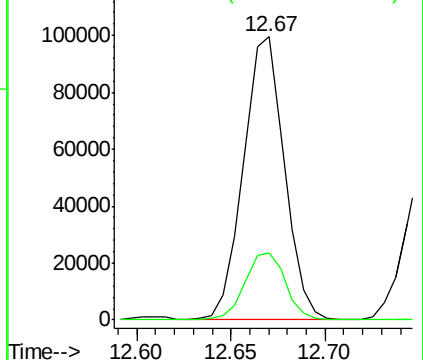
91 100

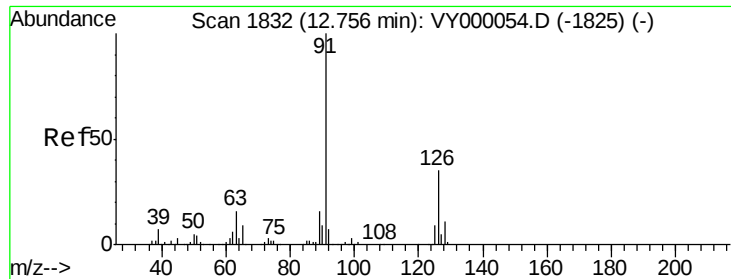
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

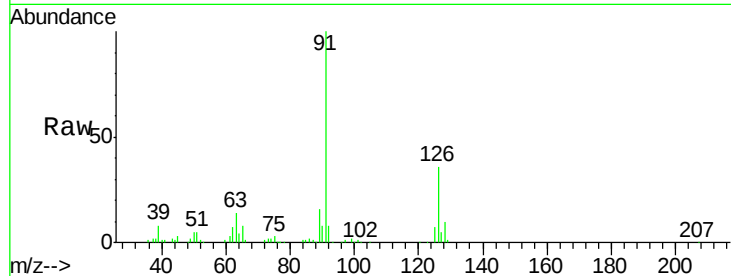
ClientSampleId :

Tot Ion: 91 Resp: 83538

Ion Ratio Lower Upper

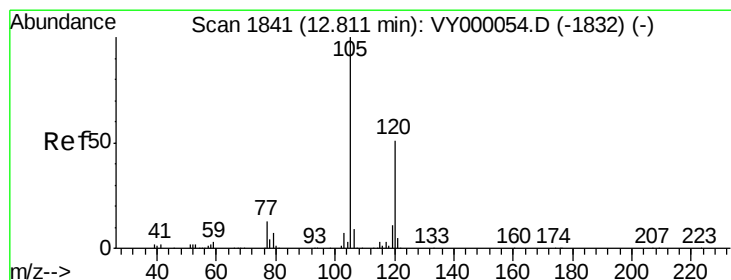
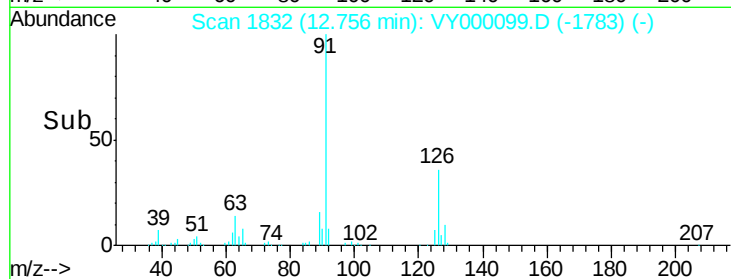
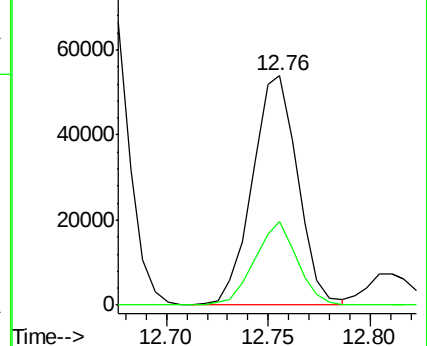
91 100

126 34.0 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000054.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.245 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000099.D

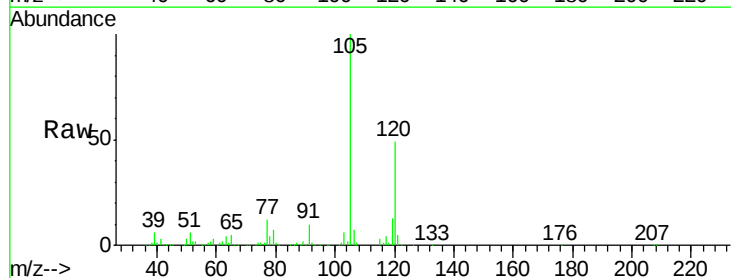
Acq: 20 Sep 2019 11:43

Tgt Ion:105 Resp: 103063

Ion Ratio Lower Upper

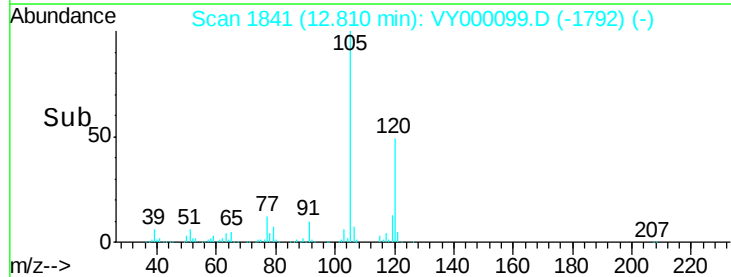
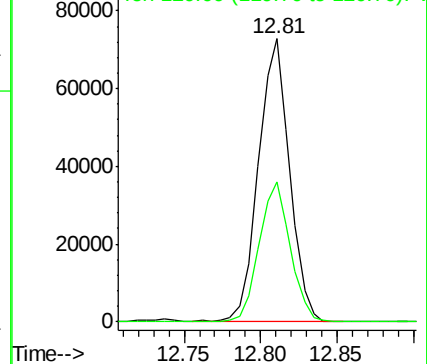
105 100

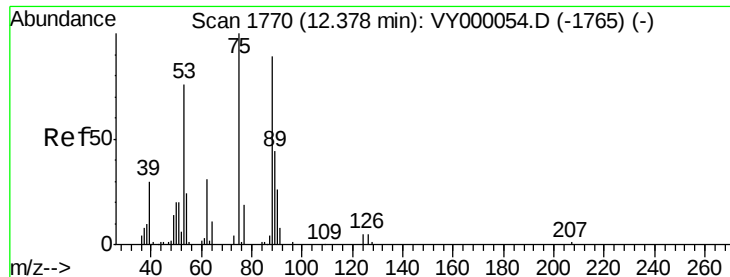
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)

Ion 120.00 (119.70 to 120.70): VY000054.D (-1832) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.399 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

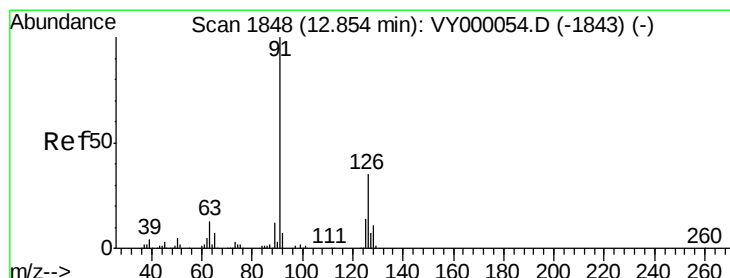
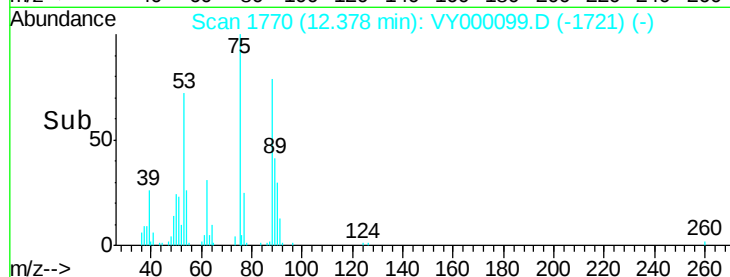
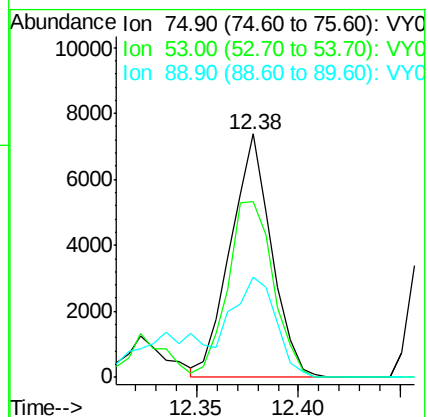
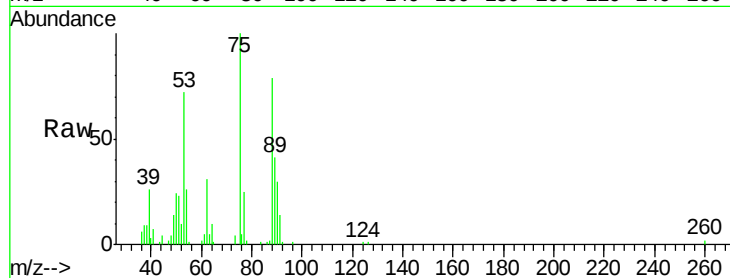
Tot Ion: 75 Resp: 10264

Ion Ratio Lower Upper

75 100

53 80.4 60.9 91.3

89 43.7 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.592 ug/l

RT: 12.85 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VY000099.D

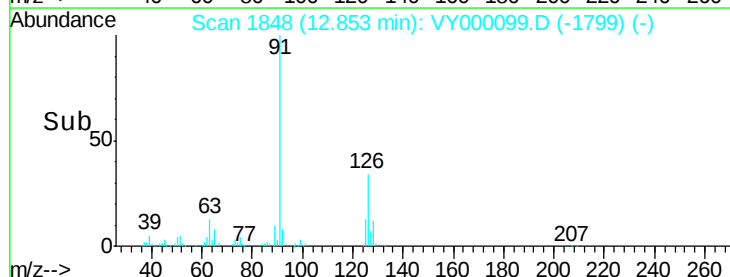
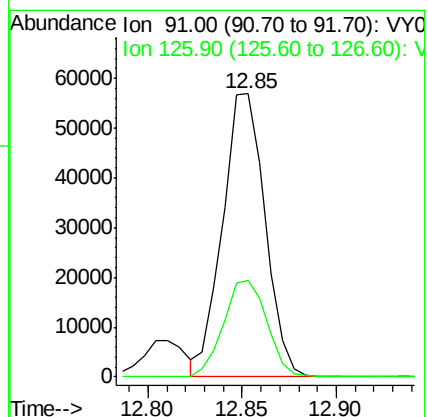
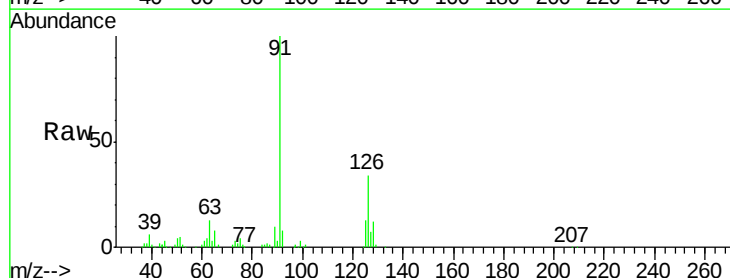
Acq: 20 Sep 2019 11:43

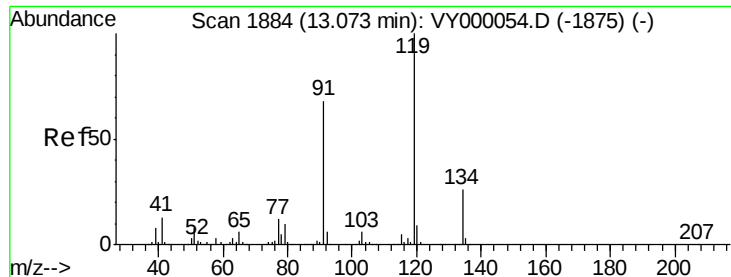
Tgt Ion: 91 Resp: 89237

Ion Ratio Lower Upper

91 100

126 34.9 16.7 50.1

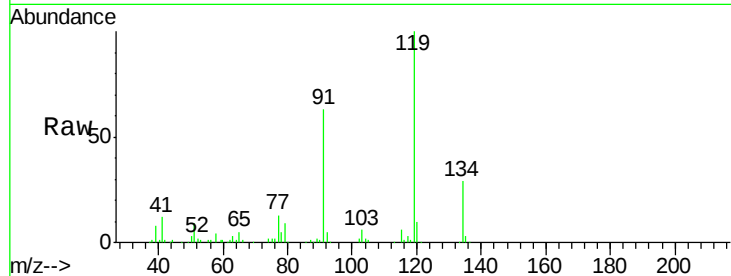




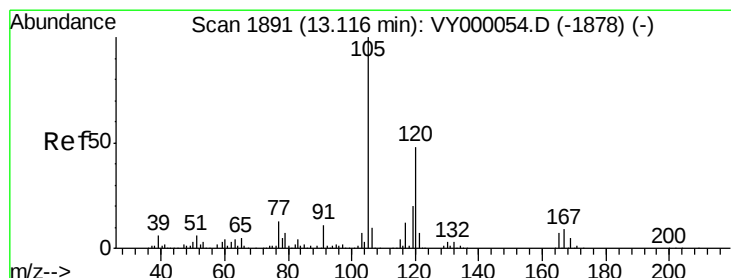
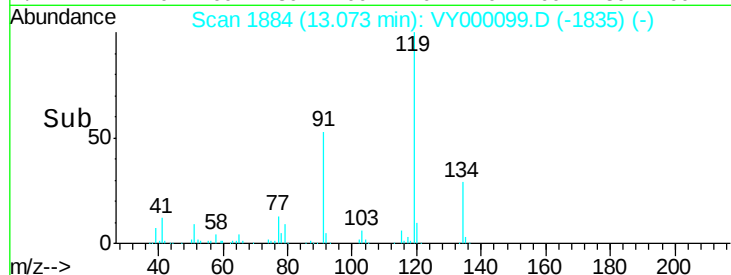
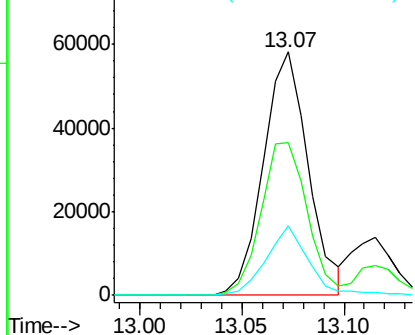
#83
tert-Butylbenzene
Concen: 20.488 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:119 Resp: 89232
Ion Ratio Lower Upper
119 100
91 64.5 33.4 100.1
134 27.5 12.7 38.0

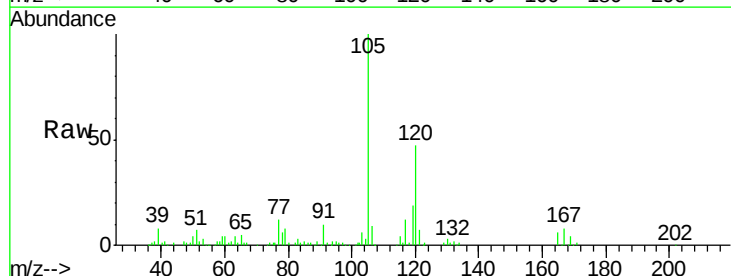


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

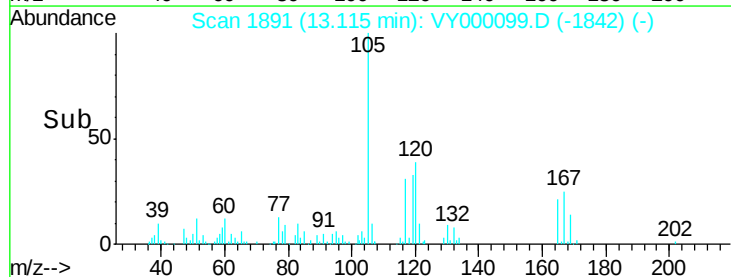
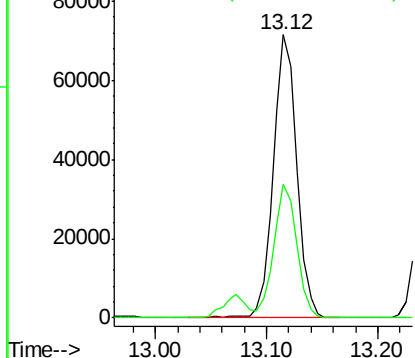


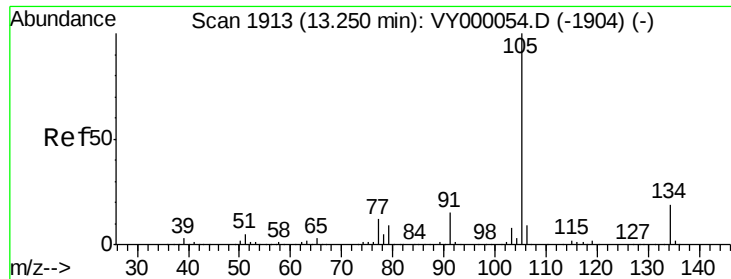
#84
1,2,4-Trimethylbenzene
Concen: 20.825 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion:105 Resp: 104519
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.850 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

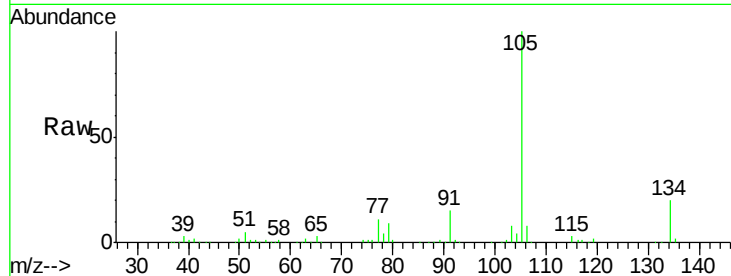
ClientSampled :

Tot Ion:105 Resp: 134166

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

100000

80000

60000

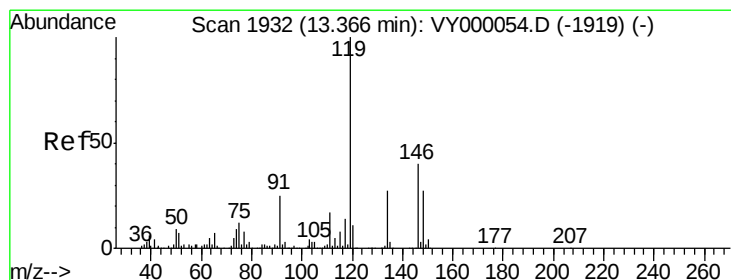
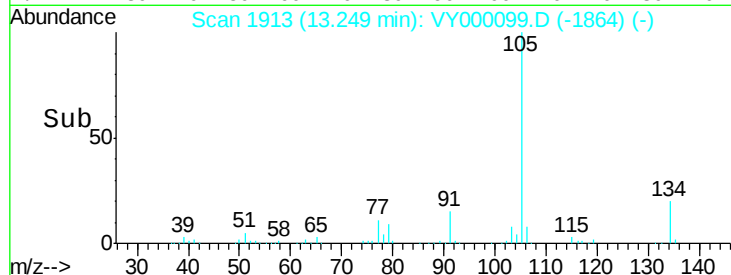
40000

20000

0

Time-->

13.20 13.30



#86

p-Isopropyltoluene

Concen: 20.338 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

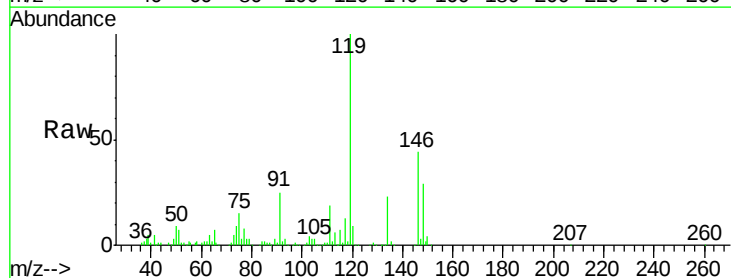
Tgt Ion:119 Resp: 110928

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 24.7 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

100000

80000

60000

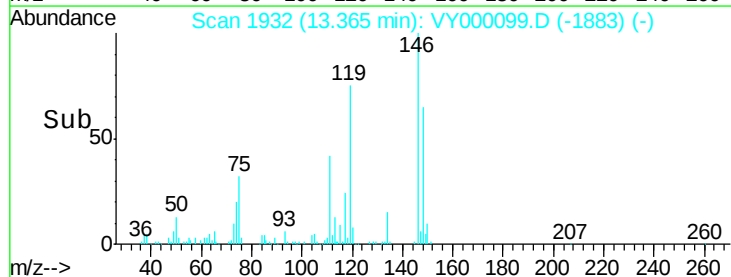
40000

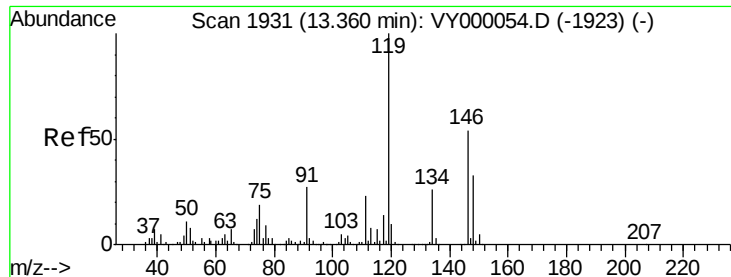
20000

0

Time-->

13.30 13.35 13.40





#87

1,3-Dichlorobenzene

Concen: 21.011 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

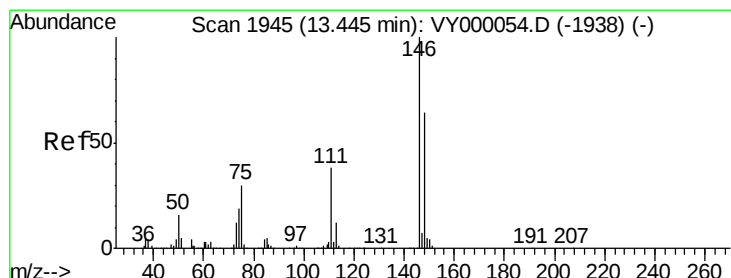
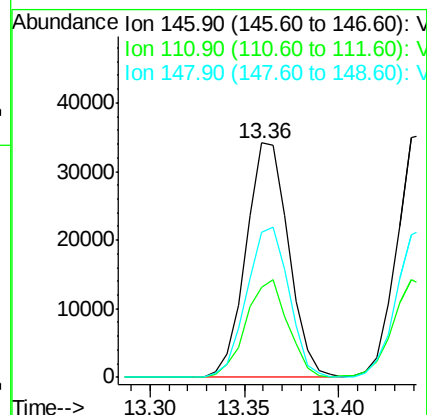
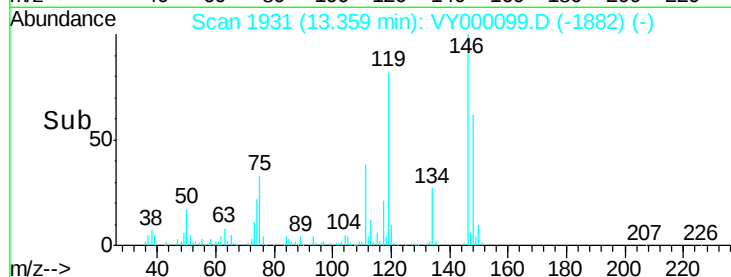
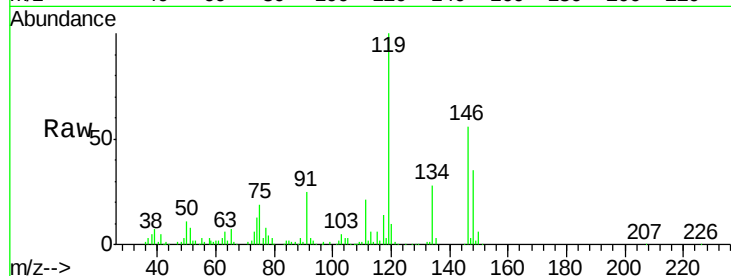
Tot Ion:146 Resp: 53485

Ion Ratio Lower Upper

146 100

111 40.9 21.1 63.1

148 63.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 21.162 ug/l

RT: 13.44 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

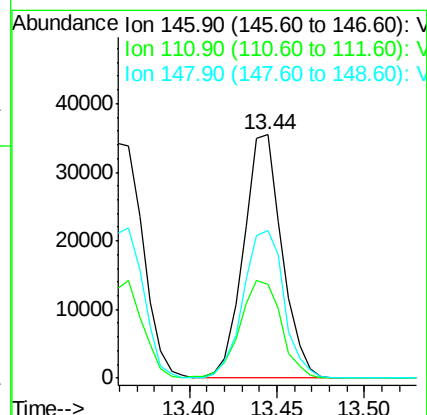
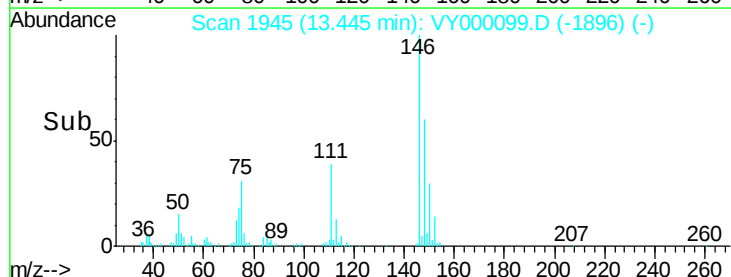
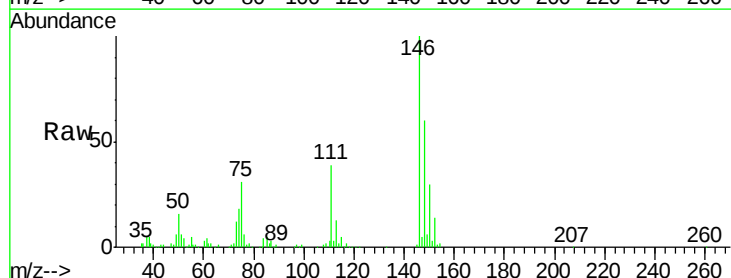
Tgt Ion:146 Resp: 54131

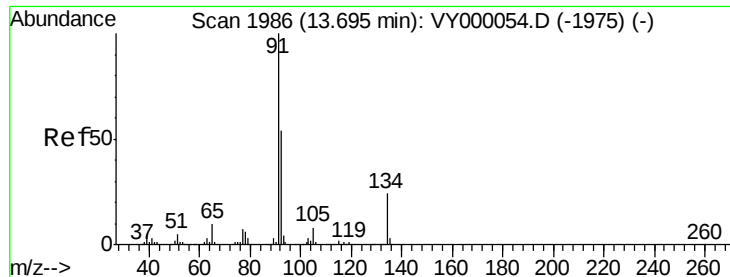
Ion Ratio Lower Upper

146 100

111 43.2 20.8 62.4

148 64.2 31.5 94.5

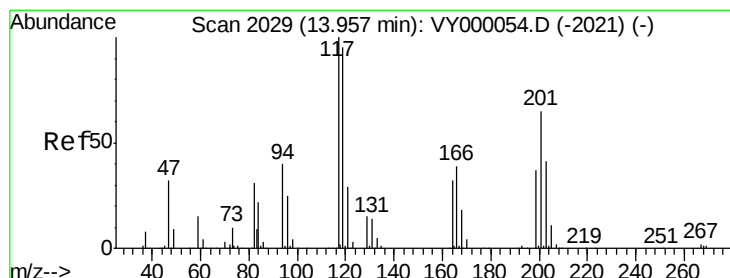
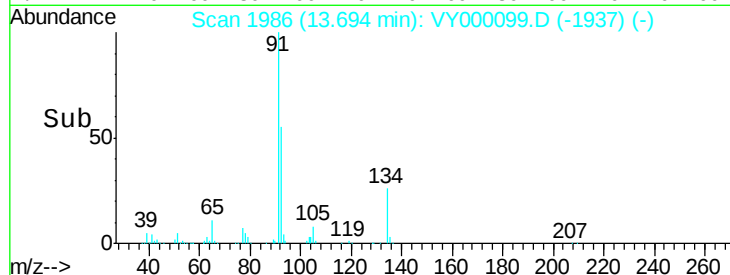
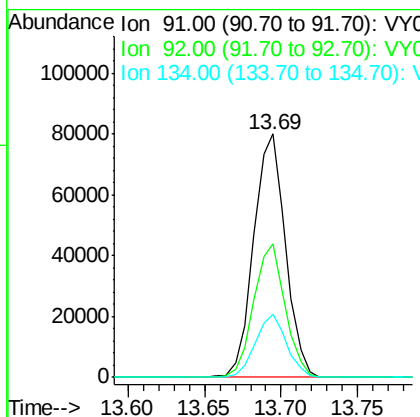
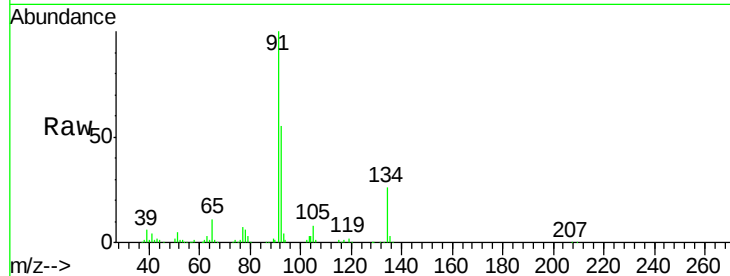




#89
n-Butylbenzene
Concen: 20.582 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

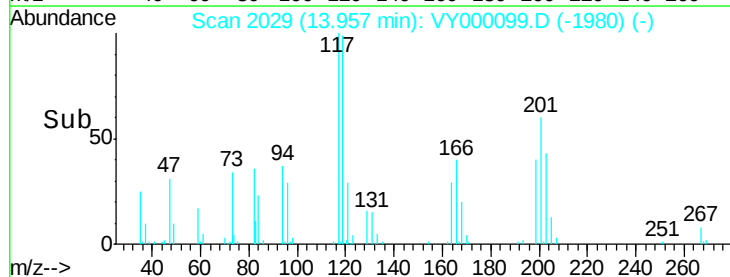
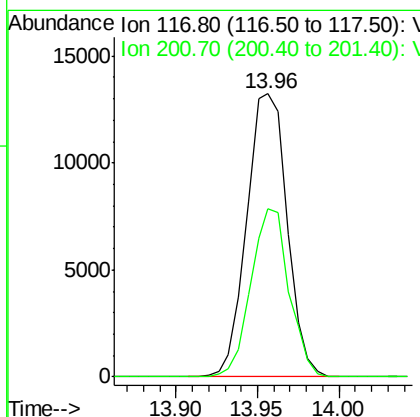
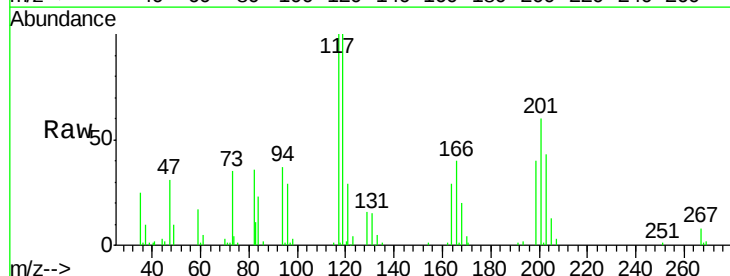
Instrument :
MSVOA_Y
ClientSampled :

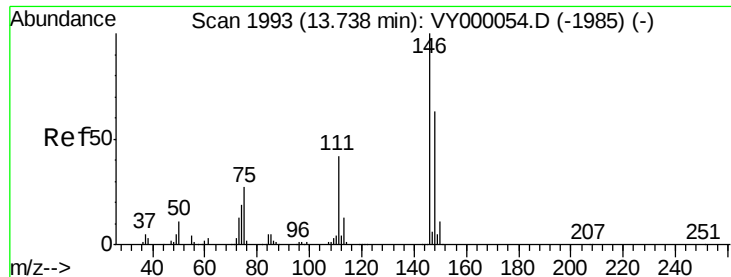
Tot Ion: 91 Resp: 115488
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.5
134 25.3 12.2 36.6



#90
Hexachloroethane
Concen: 21.276 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 117 Resp: 22804
Ion Ratio Lower Upper
117 100
201 56.1 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 20.744 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

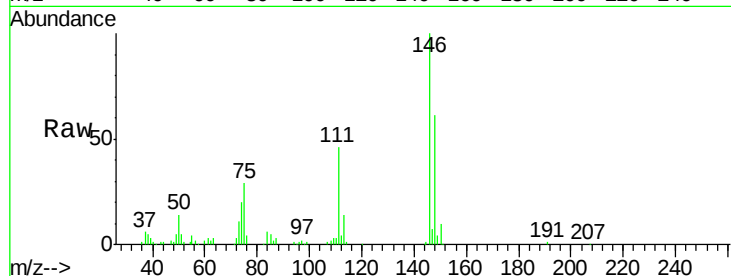
Tot Ion:146 Resp: 49611

Ion Ratio Lower Upper

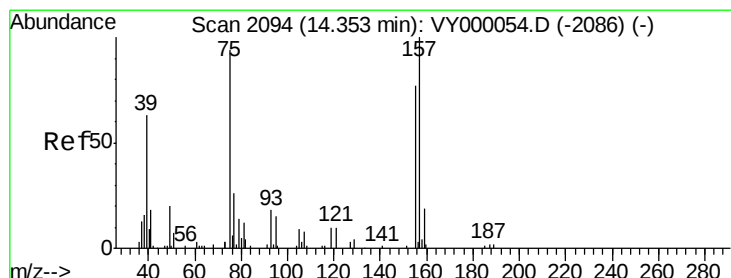
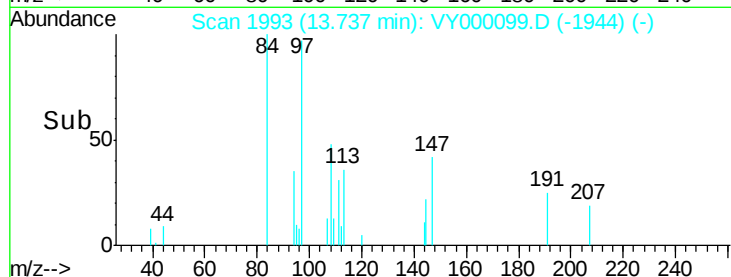
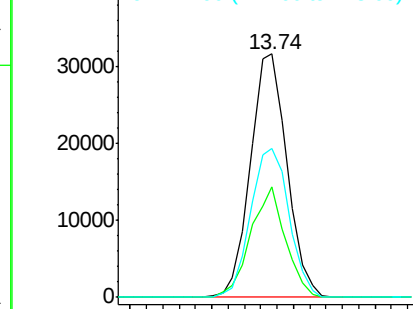
146 100

111 43.1 21.9 65.7

148 64.0 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.123 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

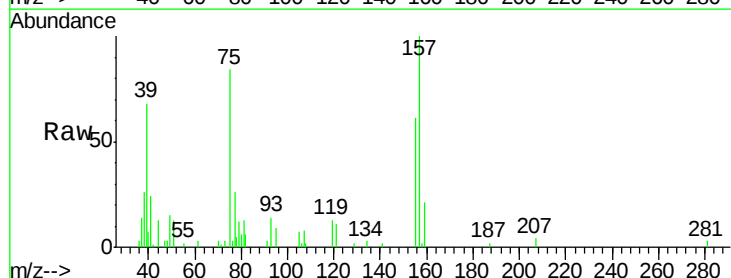
Tgt Ion: 75 Resp: 5183

Ion Ratio Lower Upper

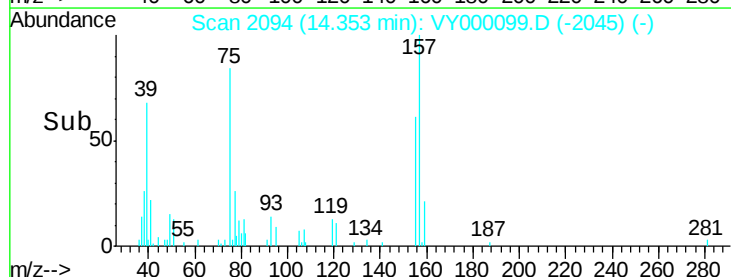
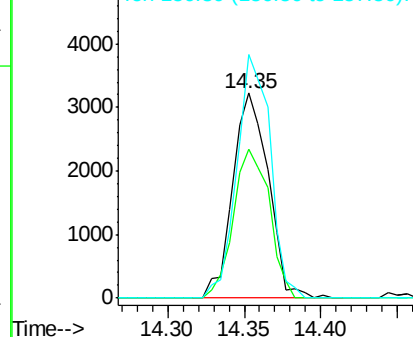
75 100

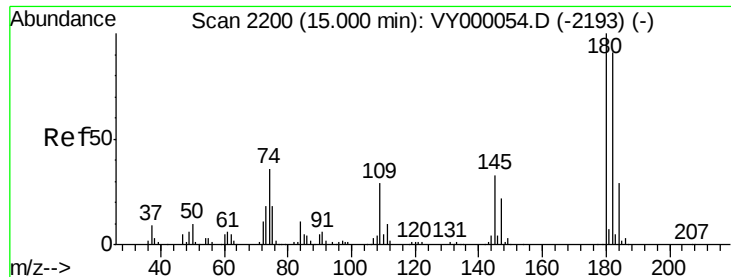
155 73.2 40.6 121.7

157 111.8 52.9 158.8



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

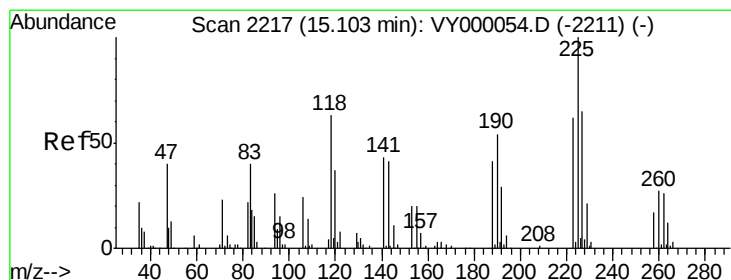
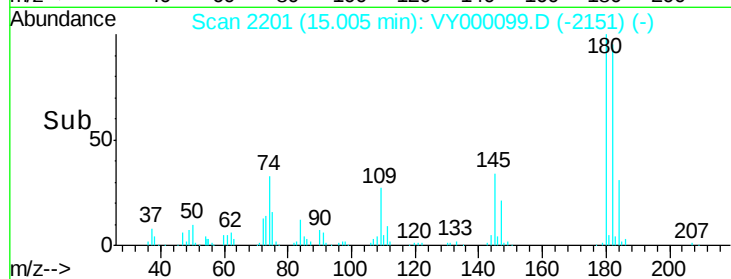
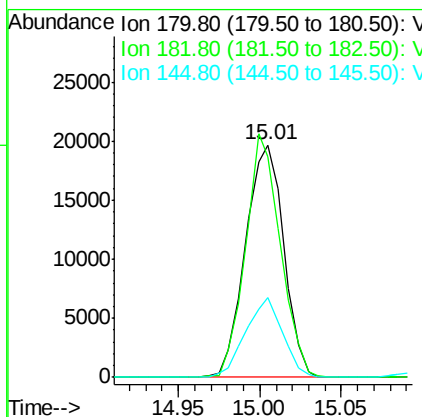
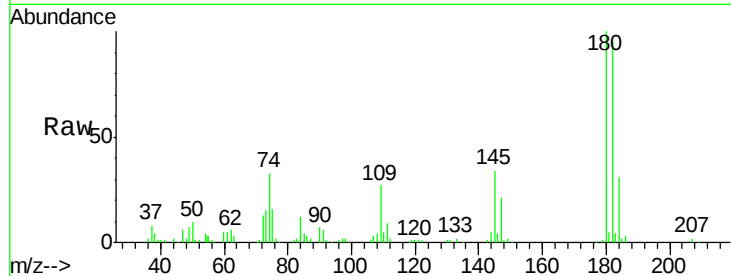




#93
 1,2,4-Trichlorobenzene
 Concen: 22.269 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

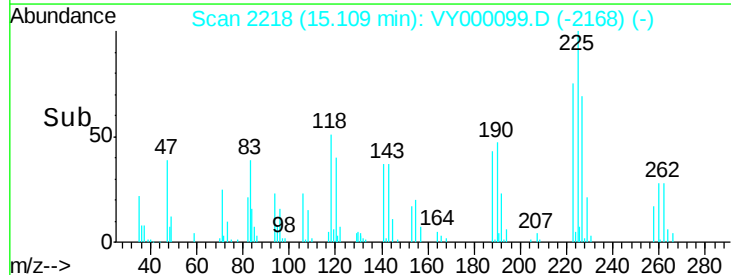
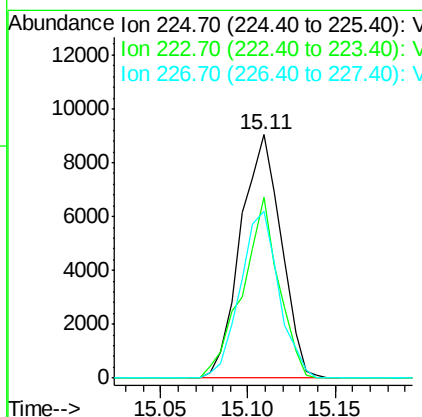
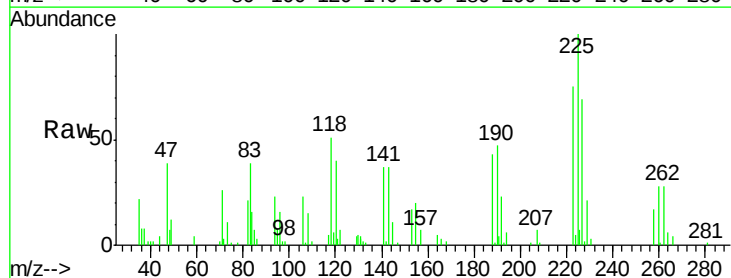
Instrument :
 MSVOA_Y
 ClientSampled :

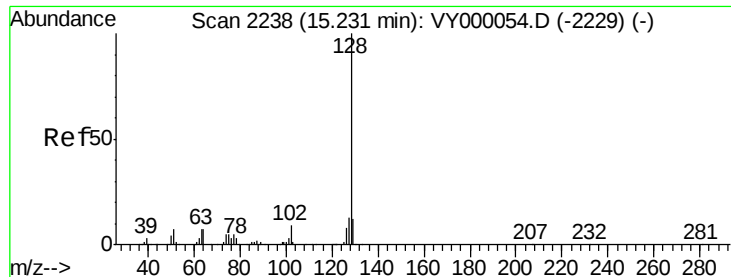
Tot Ion:180 Resp: 32137
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.5 145.6
 145 33.3 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 21.111 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion:225 Resp: 14627
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.9 95.5
 227 65.0 30.6 91.6





#95

Naphthalene

Concen: 20.561 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

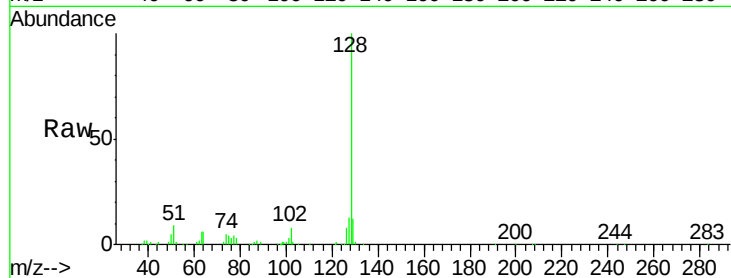
Tot Ion:128 Resp: 84231

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

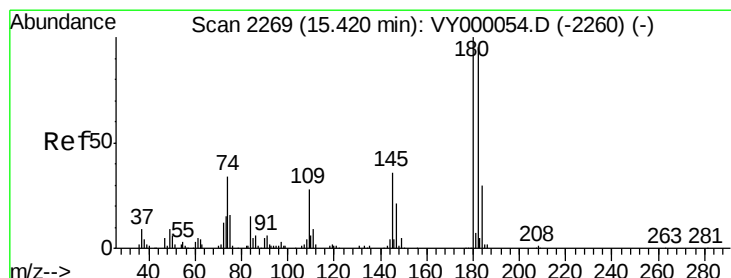
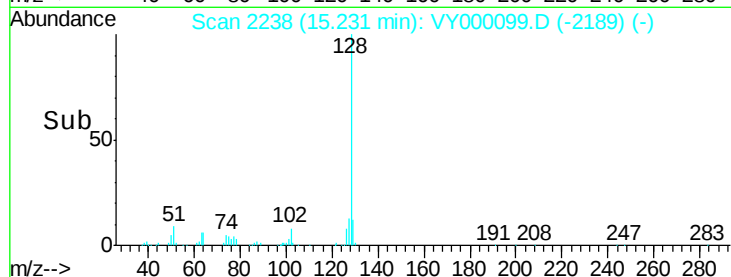
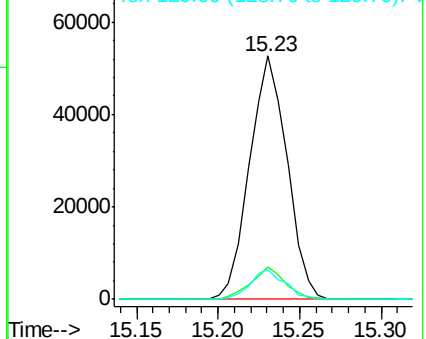
129 11.2 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.272 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

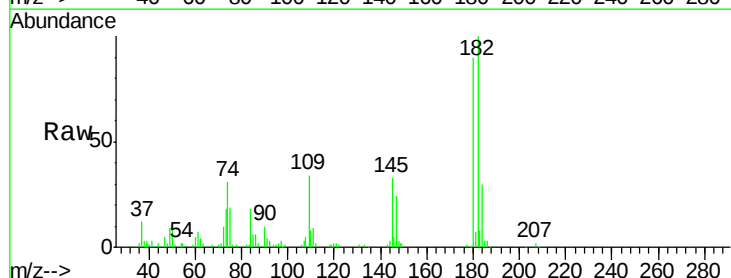
Tgt Ion:180 Resp: 27920

Ion Ratio Lower Upper

180 100

182 96.4 47.5 142.5

145 38.8 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

