

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002005.D
 Acq On : 18 Mar 2020 11:47
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:25:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	152353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	277172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85067	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.75	113	79335	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.19	98	322952	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.49	95	113290	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27487	19.545	ug/l	97
3) Chloromethane	2.13	50	37876	19.976	ug/l	98
4) Vinyl Chloride	2.27	62	39596	20.531	ug/l	99
5) Bromomethane	2.66	94	26470	19.985	ug/l	98
6) Chloroethane	2.81	64	25634	21.159	ug/l	96
7) Trichlorofluoromethane	3.15	101	54102	20.685	ug/l	93
8) Diethyl Ether	3.55	74	22770	22.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36046	21.427	ug/l	100
10) Methyl Iodide	4.12	142	39618	20.364	ug/l	98
11) Tert butyl alcohol	4.99	59	29025	163.688	ug/l #	80
12) 1,1-Dichloroethene	3.90	96	35855	21.167	ug/l	98
13) Acrolein	3.75	56	19012	83.183	ug/l	97
14) Allyl chloride	4.52	41	64899	21.612	ug/l	99
15) Acrylonitrile	5.21	53	60711	110.211	ug/l	100
16) Acetone	3.97	43	49020	103.478	ug/l	97
17) Carbon Disulfide	4.22	76	110228	19.358	ug/l	98
18) Methyl Acetate	4.52	43	27171	22.322	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	102788	22.392	ug/l	98
20) Methylene Chloride	4.75	84	45128	22.227	ug/l	93
21) trans-1,2-Dichloroethene	5.25	96	40238	20.929	ug/l	97
22) Diisopropyl ether	6.15	45	136578	22.188	ug/l	99
23) Vinyl Acetate	6.10	43	439251	108.851	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71249	21.374	ug/l	99
25) 2-Butanone	7.02	43	80328	111.504	ug/l	99
26) 2,2-Dichloropropane	7.02	77	60609	22.153	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	45568	21.789	ug/l	98
28) Bromochloromethane	7.36	49	32734	21.786	ug/l	99
29) Tetrahydrofuran	7.38	42	52720	110.201	ug/l	99
30) Chloroform	7.53	83	67008	21.396	ug/l	97
31) Cyclohexane	7.81	56	72827	20.376	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	57702	21.860	ug/l	99
36) 1,1-Dichloropropene	7.94	75	56471	21.172	ug/l	99
37) Ethyl Acetate	7.11	43	34381	22.178	ug/l	99
38) Carbon Tetrachloride	7.92	117	48867	21.447	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73283	20.715	ug/l	99
40) Benzene	8.18	78	169599	21.453	ug/l	98
41) Methacrylonitrile	7.37	41	46445	66.573	ug/l #	7
42) 1,2-Dichloroethane	8.26	62	44656	21.921	ug/l	99
43) Isopropyl Acetate	8.30	43	64477	21.969	ug/l	98
44) Trichloroethene	8.96	130	40799	21.190	ug/l	100
45) 1,2-Dichloropropane	9.24	63	43702	21.990	ug/l	95
46) Dibromomethane	9.32	93	22031	21.512	ug/l	99
47) Bromodichloromethane	9.52	83	51957	21.809	ug/l	99
48) Methyl methacrylate	9.31	41	27716	21.282	ug/l	94
49) 1,4-Dioxane	9.31	88	5945	423.640	ug/l #	82
51) 4-Methyl-2-Pentanone	10.08	43	174220	115.246	ug/l	99
52) Toluene	10.25	92	104262	21.710	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	58407	22.503	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	67847	21.958	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32996	22.015	ug/l	98
56) Ethyl methacrylate	10.52	69	47846	21.779	ug/l	94
57) 1,3-Dichloropropane	10.80	76	59140	22.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	124961	149.834	ug/l	100
59) 2-Hexanone	10.85	43	118285	109.625	ug/l	100
60) Dibromochloromethane	11.00	129	34419	21.793	ug/l	97
61) 1,2-Dibromoethane	11.10	107	30755	21.662	ug/l	100
64) Tetrachloroethene	10.73	164	34302	21.875	ug/l	96
65) Chlorobenzene	11.53	112	106993	21.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35934	21.993	ug/l	99
67) Ethyl Benzene	11.60	91	197885	21.296	ug/l	99
68) m/p-Xylenes	11.71	106	148500	43.227	ug/l	100
69) o-Xylene	12.04	106	70263	21.700	ug/l	100
70) Styrene	12.05	104	121013	21.821	ug/l	100
71) Bromoform	12.22	173	19551	22.065	ug/l #	99
73) Isopropylbenzene	12.34	105	189835	20.817	ug/l	99
74) N-amyl acetate	12.15	43	58746	20.961	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	42426	21.574	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	54390	38.372	ug/l #	100
77) Bromobenzene	12.62	156	40538	20.982	ug/l	99
78) n-propylbenzene	12.68	91	235462	20.929	ug/l	99
79) 2-Chlorotoluene	12.77	91	129169	20.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	156871	20.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14573	20.767	ug/l	97
82) 4-Chlorotoluene	12.86	91	136214	21.048	ug/l	100
83) tert-Butylbenzene	13.08	119	131961	21.163	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	158539	21.280	ug/l	99
85) sec-Butylbenzene	13.26	105	198536	21.602	ug/l	100
86) p-Isopropyltoluene	13.38	119	171068	21.577	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	80861	21.358	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	81765	21.288	ug/l	99
89) n-Butylbenzene	13.70	91	174303	21.190	ug/l	98
90) Hexachloroethane	13.97	117	32530	21.749	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	73875	21.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6558	21.371	ug/l	98

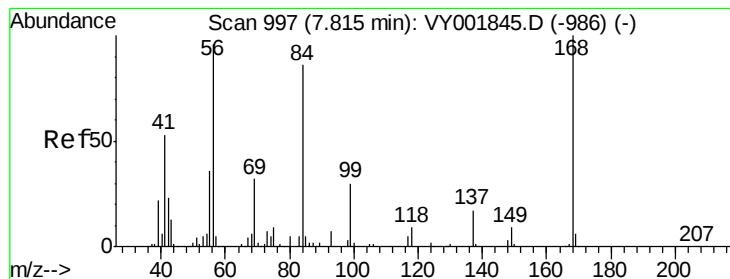
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48705	21.835	ug/l	99
94) Hexachlorobutadiene	15.12	225	23352	21.473	ug/l	99
95) Naphthalene	15.25	128	111947	21.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	42727	21.744	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

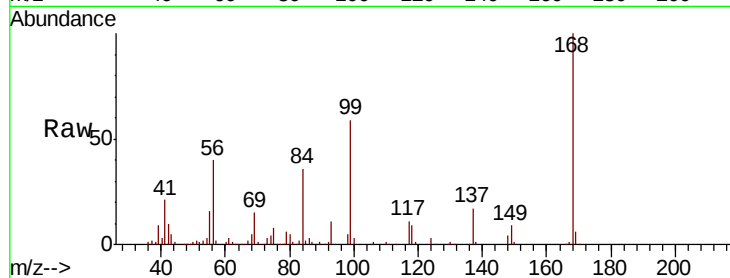
ClientSampled :

Tot Ion:168 Resp: 152353

Ion Ratio Lower Upper

168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

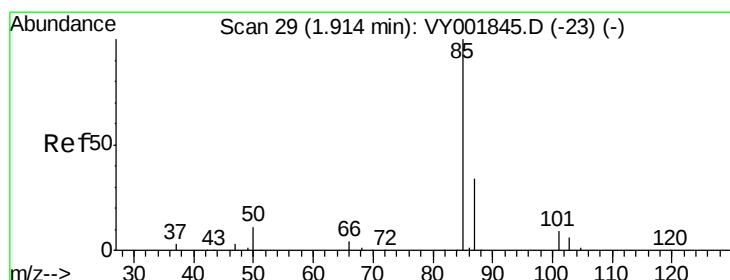
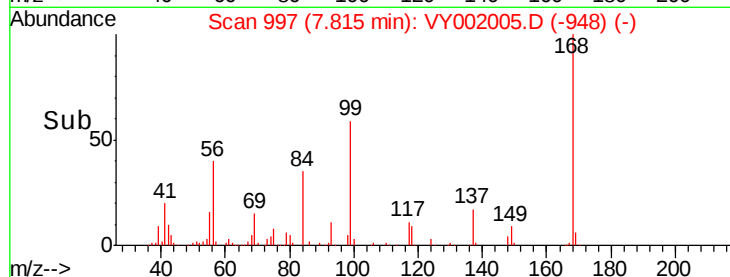
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.545 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002005.D

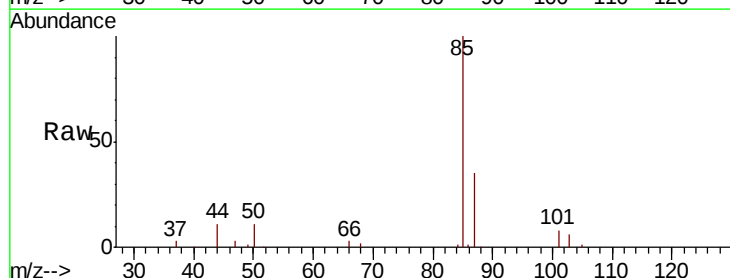
Acq: 18 Mar 2020 11:47

Tgt Ion: 85 Resp: 27487

Ion Ratio Lower Upper

85 100

87 35.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

20000

15000

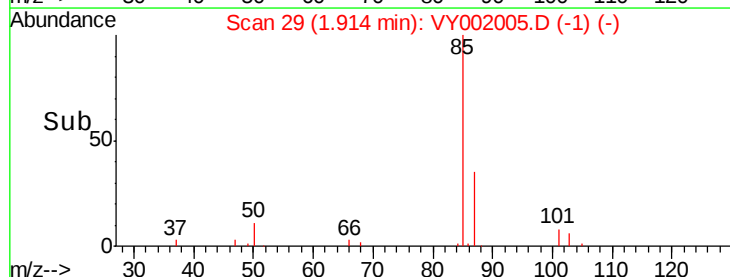
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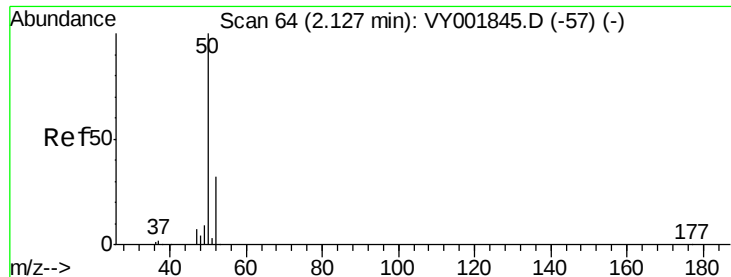
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.976 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

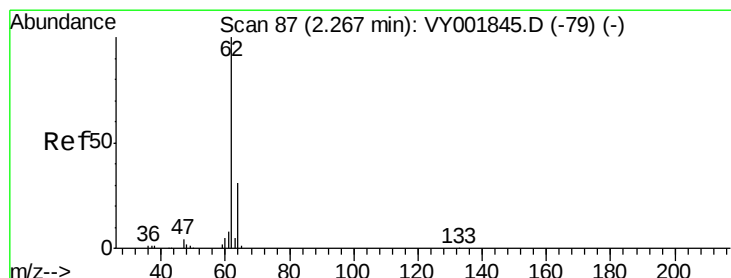
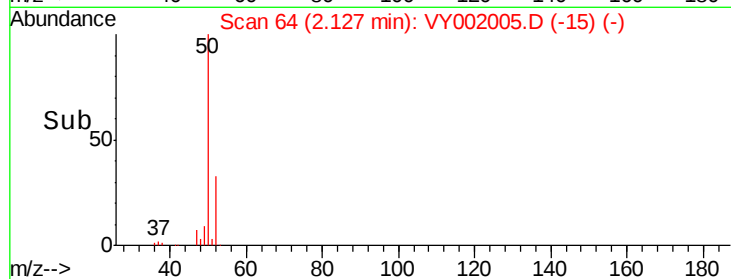
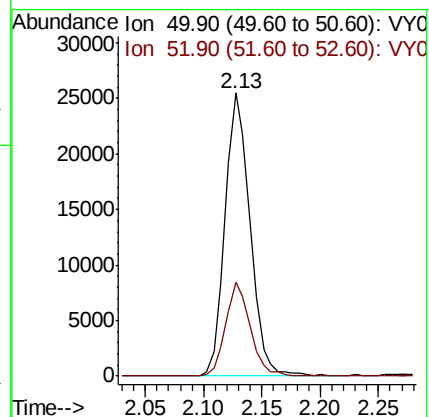
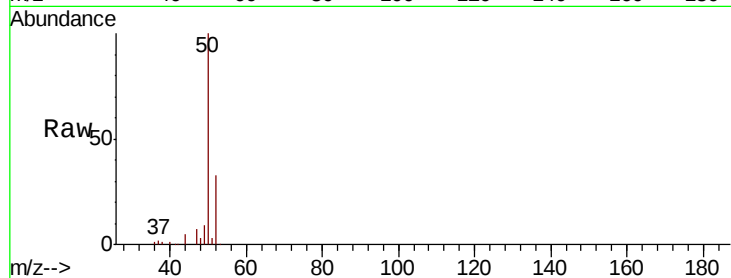
ClientSampleId :

Tot Ion: 50 Resp: 37876

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6



#4

Vinyl Chloride

Concen: 20.531 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002005.D

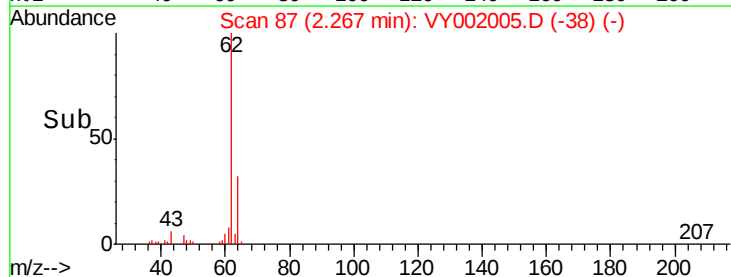
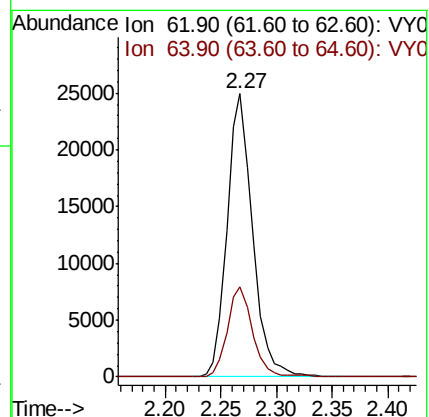
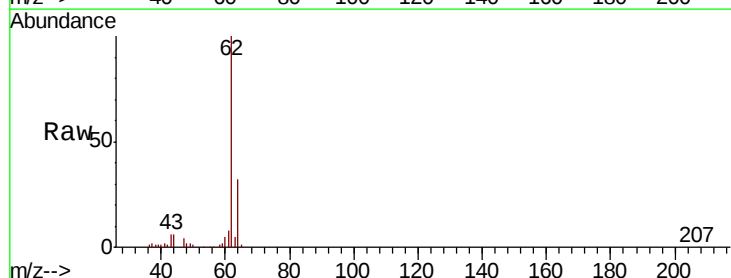
Acq: 18 Mar 2020 11:47

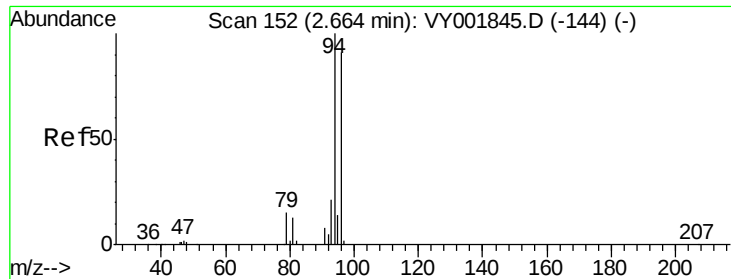
Tgt Ion: 62 Resp: 39596

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 19.985 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

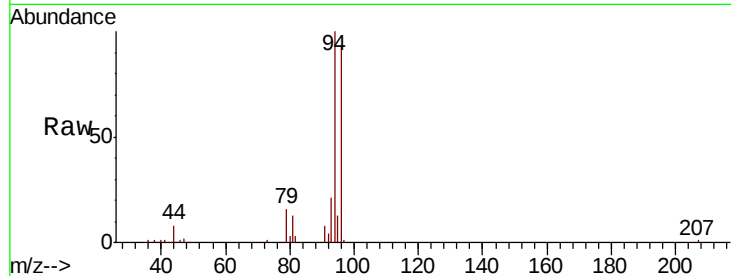
ClientSampled :

Tot Ion: 94 Resp: 26470

Ion Ratio Lower Upper

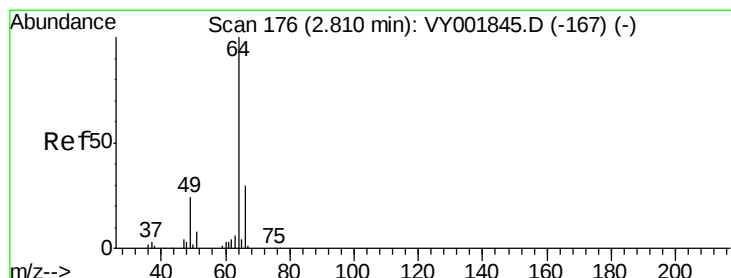
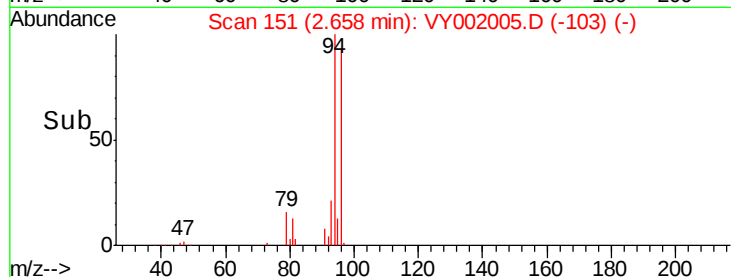
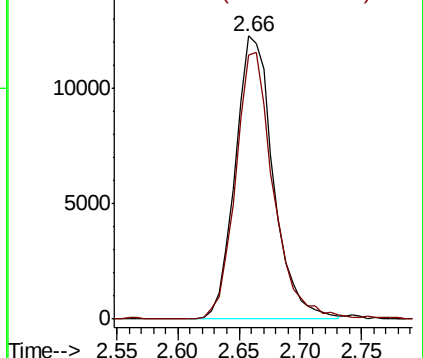
94 100

96 93.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.159 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002005.D

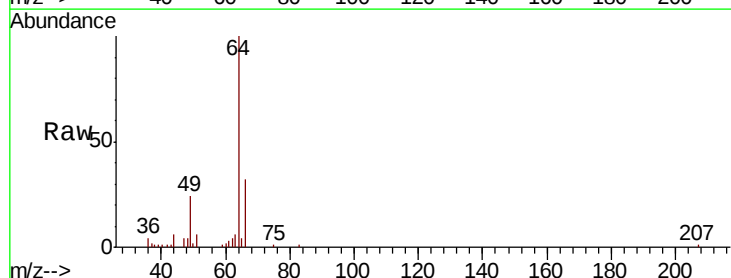
Acq: 18 Mar 2020 11:47

Tgt Ion: 64 Resp: 25634

Ion Ratio Lower Upper

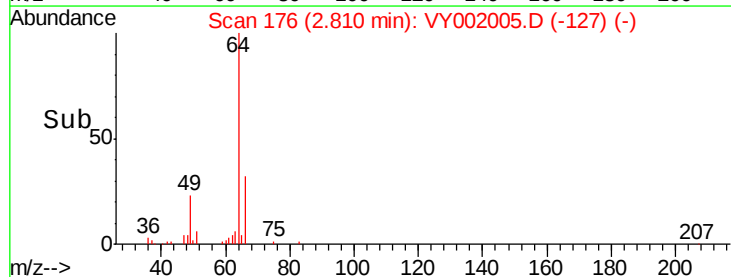
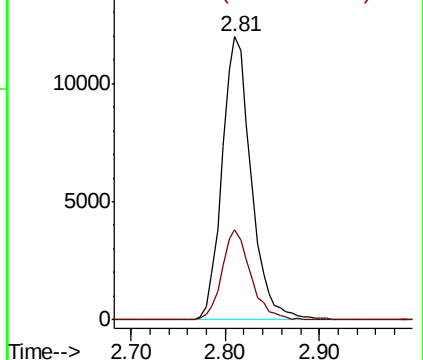
64 100

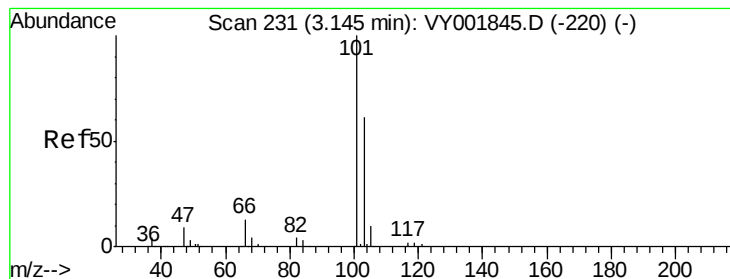
66 31.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



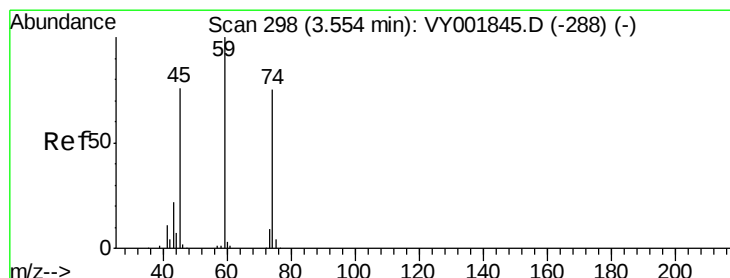
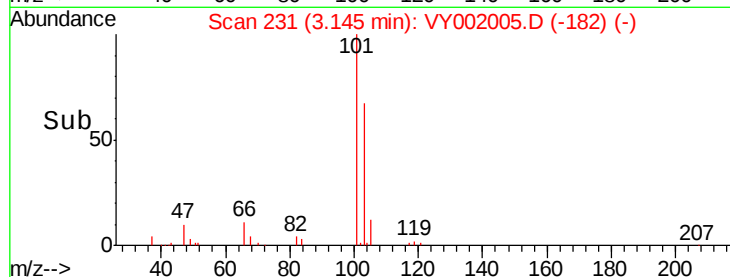
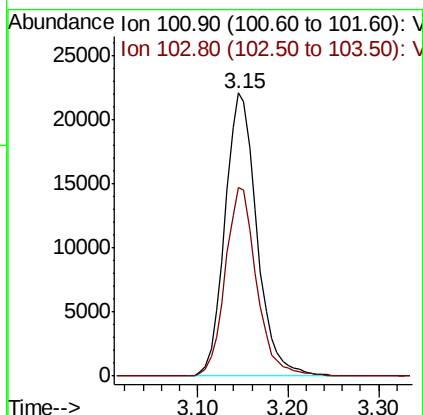
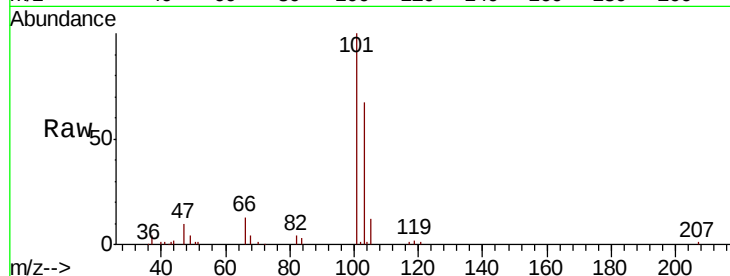


#7

Trichlorofluoromethane
 Concen: 20.685 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :

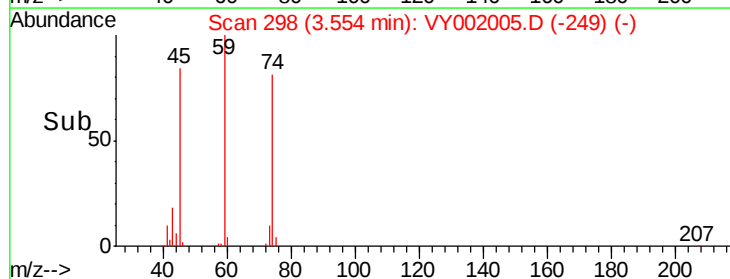
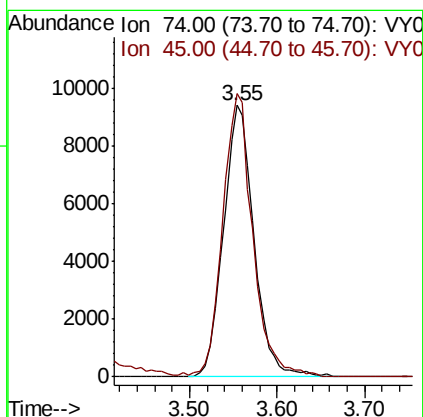
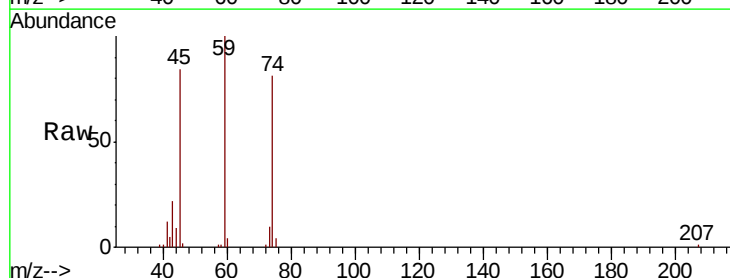
Tot Ion:101 Resp: 54102
 Ion Ratio Lower Upper
 101 100
 103 66.8 49.1 73.7

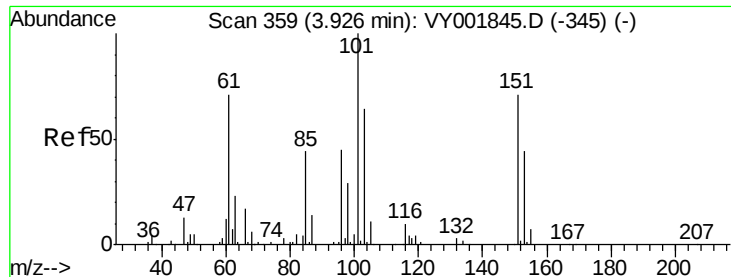


#8

Diethyl Ether
 Concen: 22.088 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 74 Resp: 22770
 Ion Ratio Lower Upper
 74 100
 45 103.5 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.427 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampled :

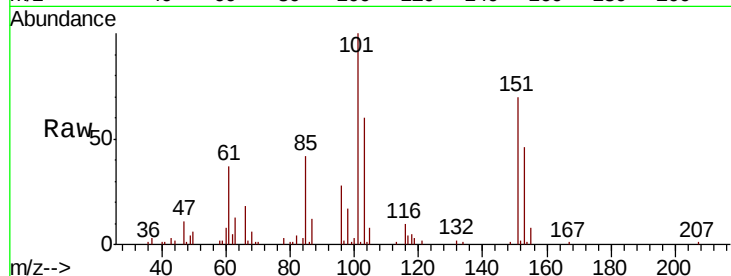
Tot Ion:101 Resp: 36046

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

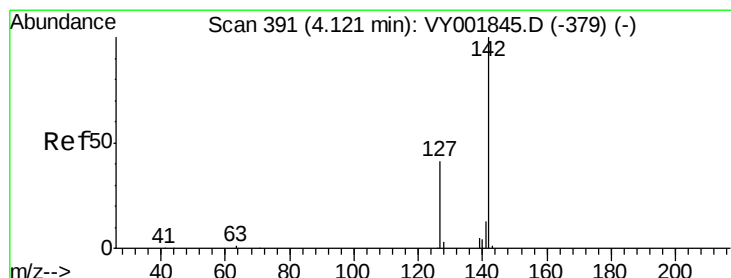
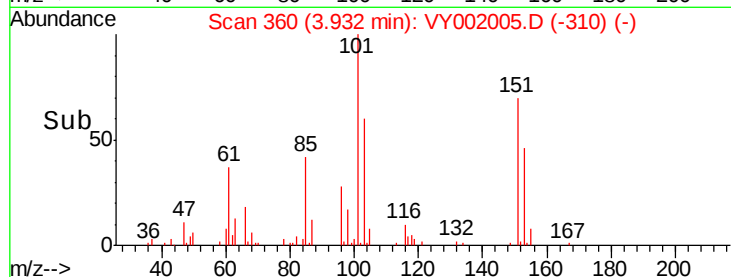
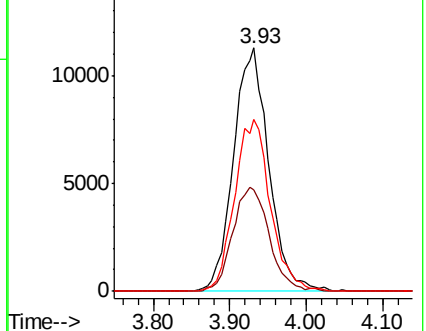
151 71.6 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.364 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

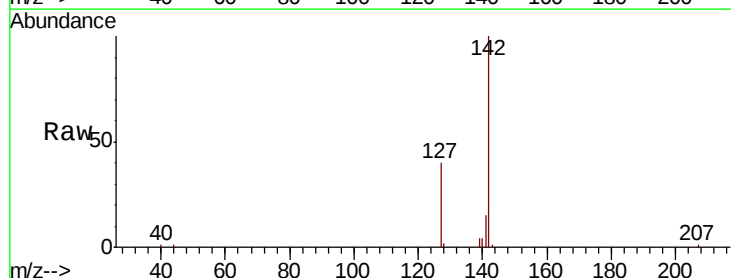
Tgt Ion:142 Resp: 39618

Ion Ratio Lower Upper

142 100

127 39.3 32.7 49.1

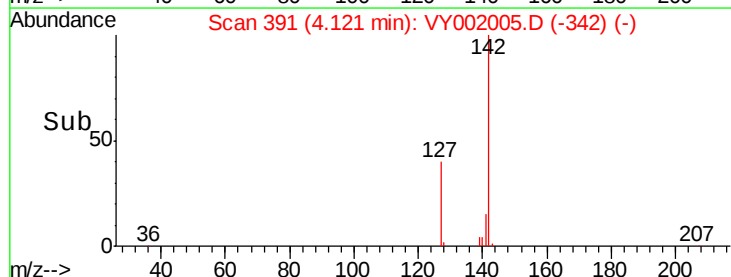
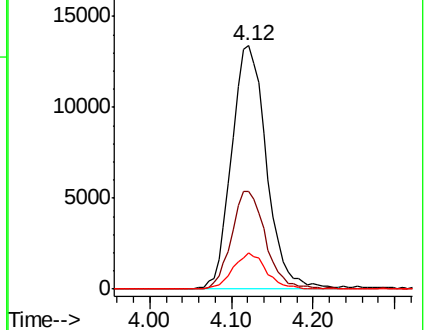
141 14.1 11.0 16.6

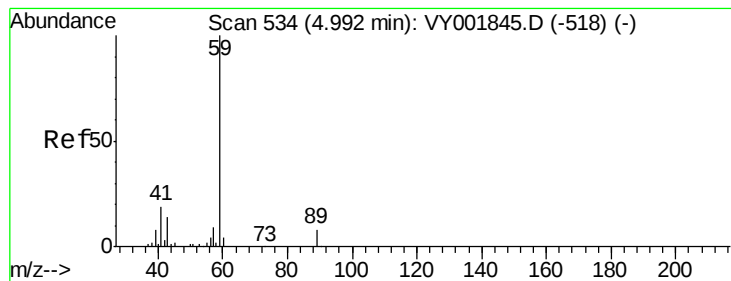


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



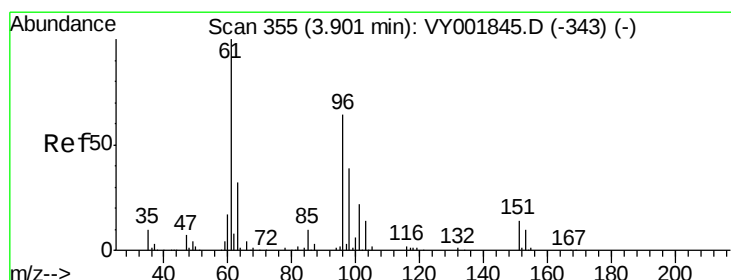
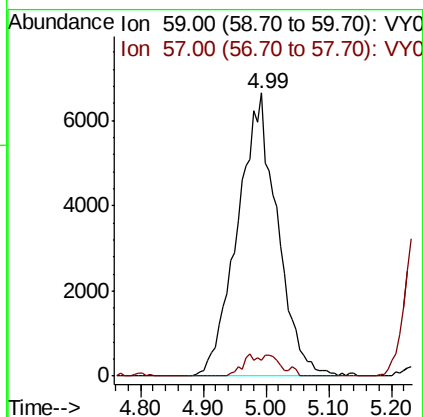
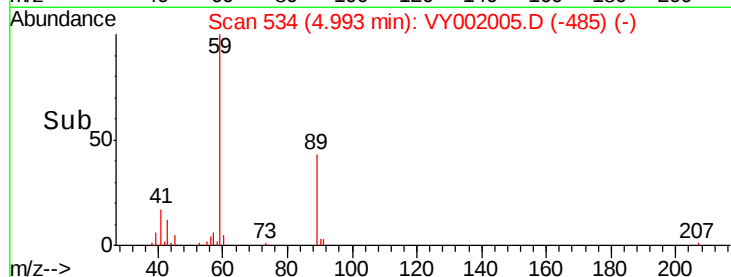
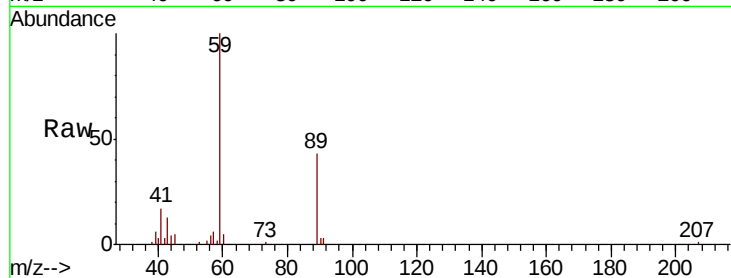


#11

Tert butyl alcohol
 Concen: 163.688 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :

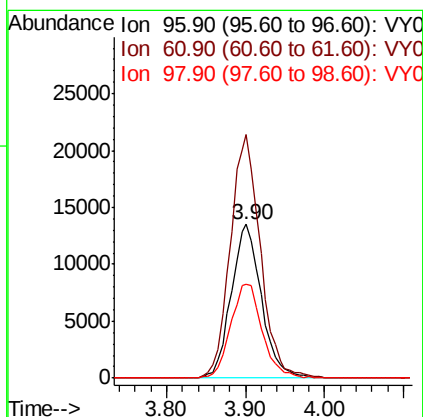
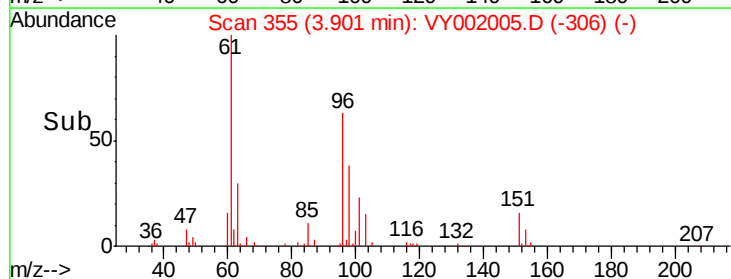
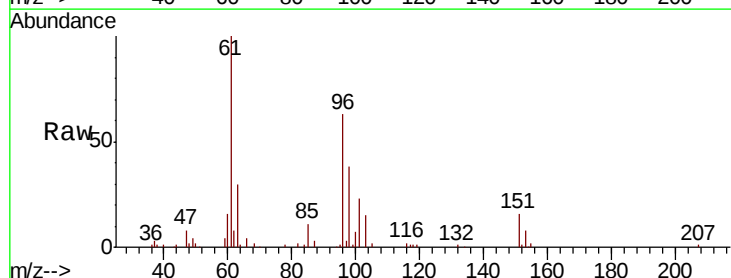
Tot Ion: 59 Resp: 29025
 Ion Ratio Lower Upper
 59 100
 57 2.0 7.4 11.2#

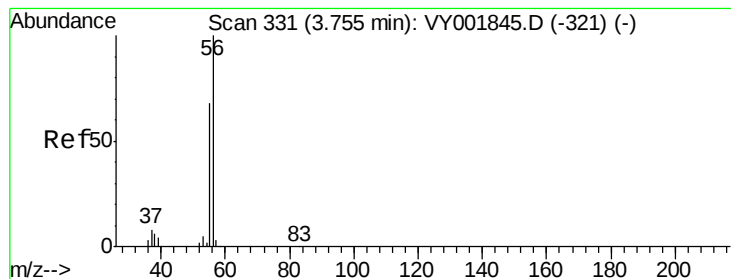


#12

1,1-Dichloroethene
 Concen: 21.167 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 96 Resp: 35855
 Ion Ratio Lower Upper
 96 100
 61 158.5 124.8 187.2
 98 60.9 49.2 73.8





#13

Acrolein

Concen: 83.183 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

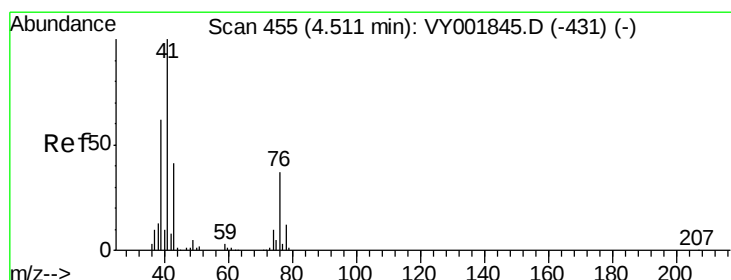
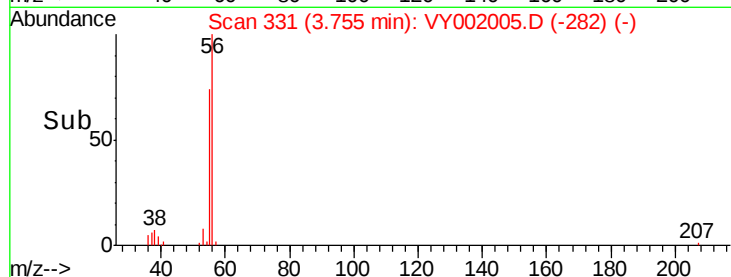
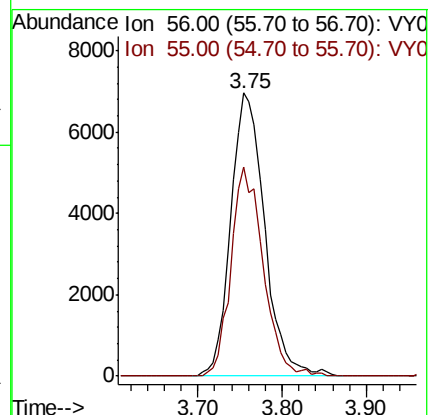
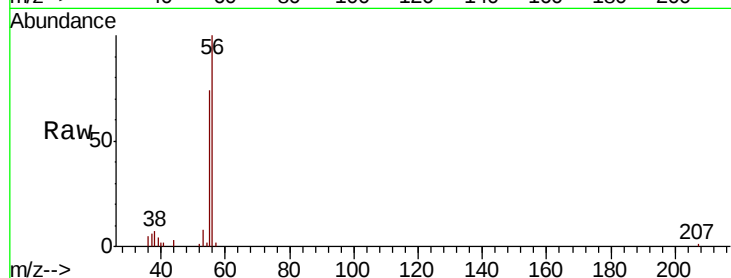
ClientSampleId :

Tot Ion: 56 Resp: 19012

Ion Ratio Lower Upper

56 100

55 70.1 54.0 81.0



#14

Allyl chloride

Concen: 21.612 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

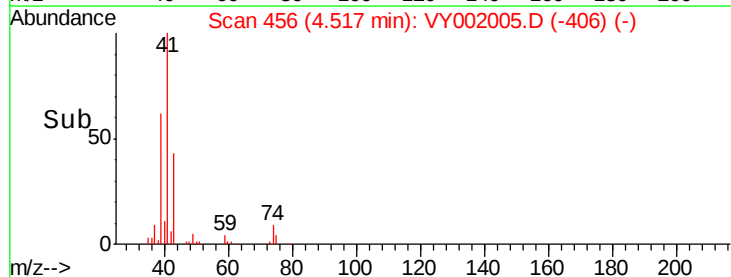
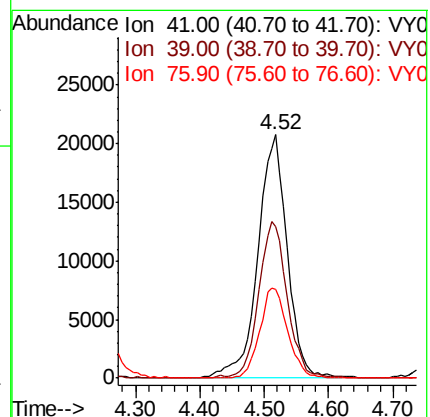
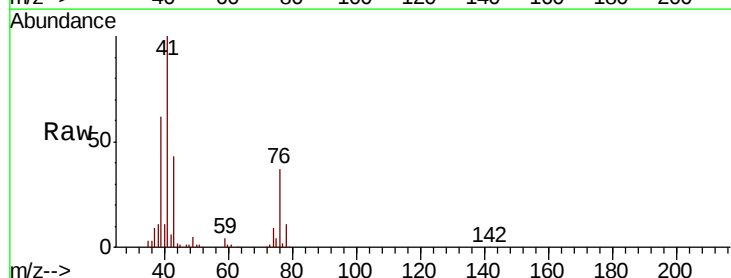
Tgt Ion: 41 Resp: 64899

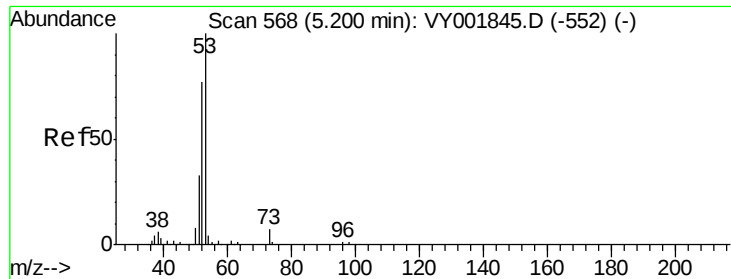
Ion Ratio Lower Upper

41 100

39 62.2 49.0 73.6

76 35.1 28.9 43.3





#15

Acrylonitrile

Concen: 110.211 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

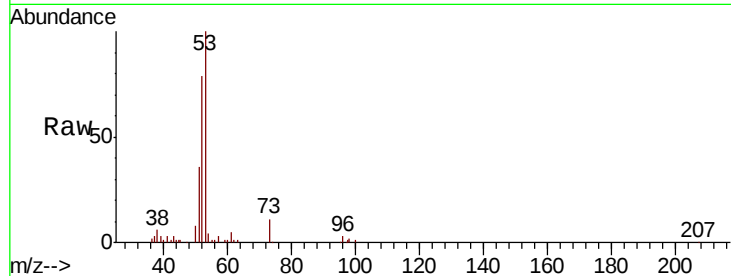
Tot Ion: 53 Resp: 60711

Ion Ratio Lower Upper

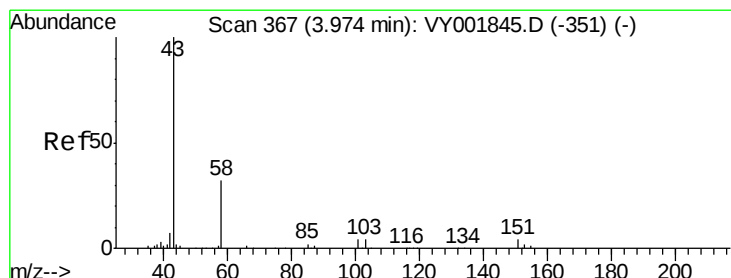
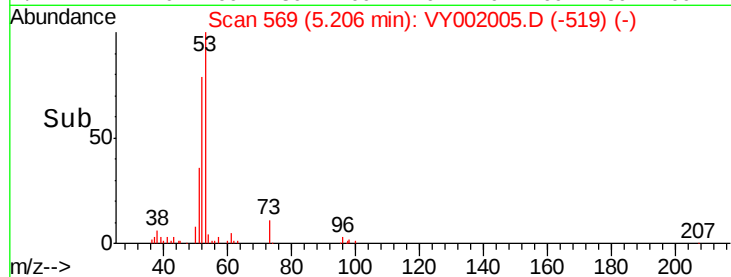
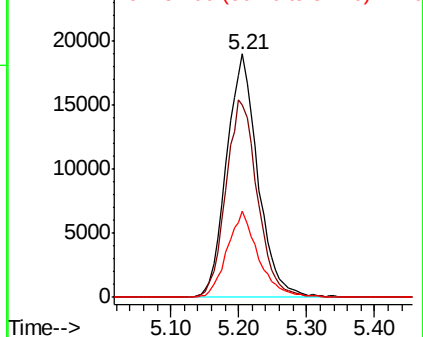
53 100

52 81.3 65.1 97.7

51 35.1 27.5 41.3



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



#16

Acetone

Concen: 103.478 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002005.D

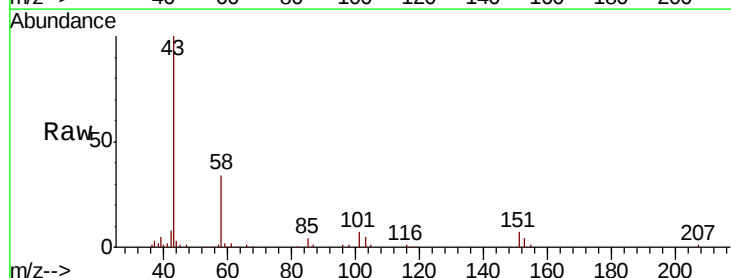
Acq: 18 Mar 2020 11:47

Tgt Ion: 43 Resp: 49020

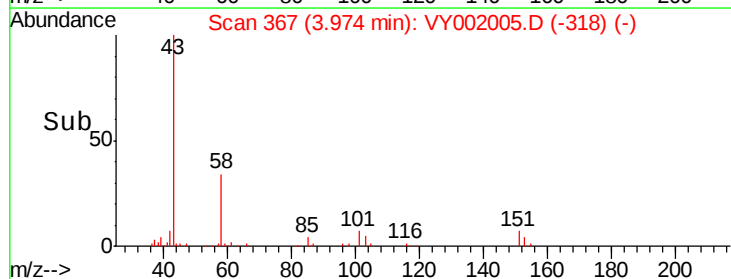
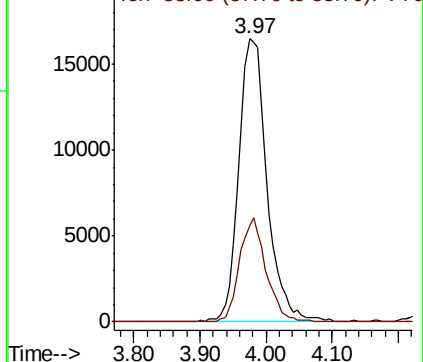
Ion Ratio Lower Upper

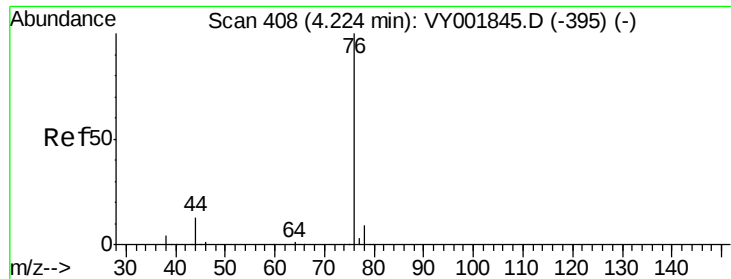
43 100

58 34.0 25.9 38.9



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

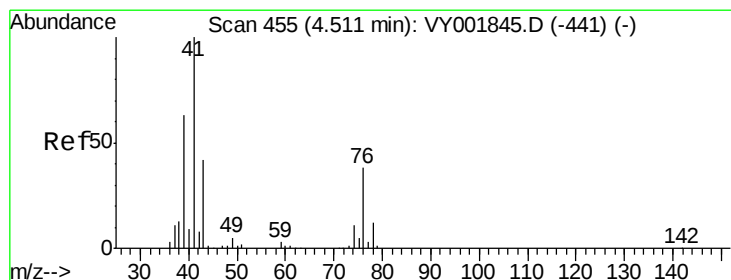
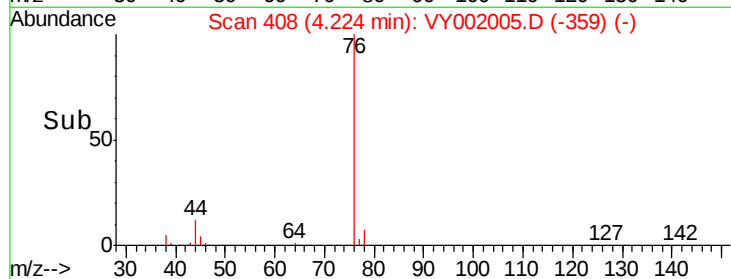
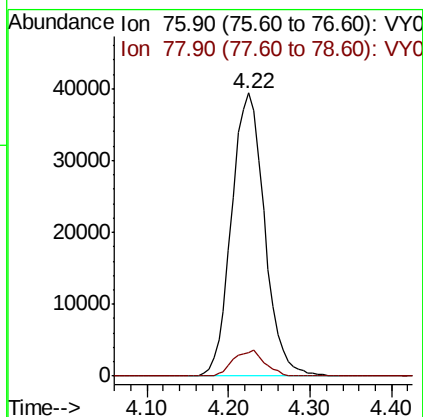
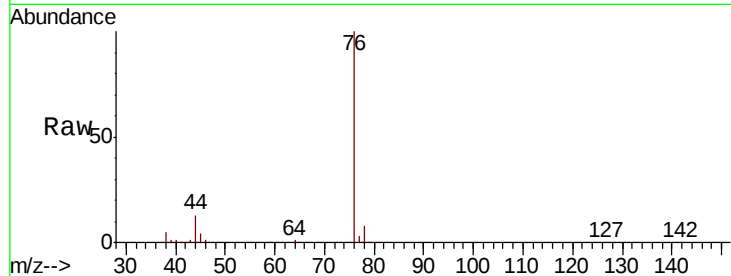




#17
Carbon Disulfide
Concen: 19.358 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

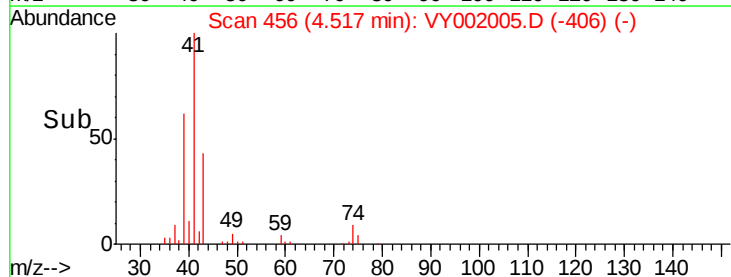
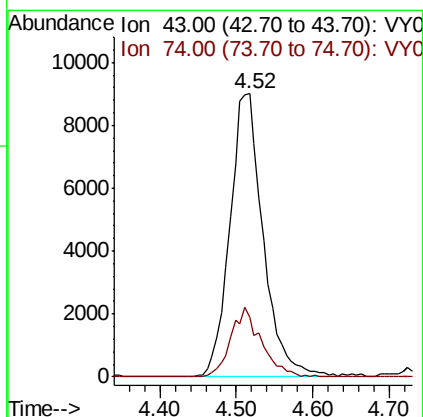
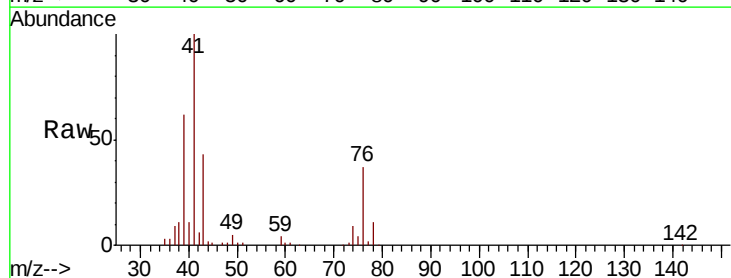
Instrument :
MSVOA_Y
ClientSampleId :

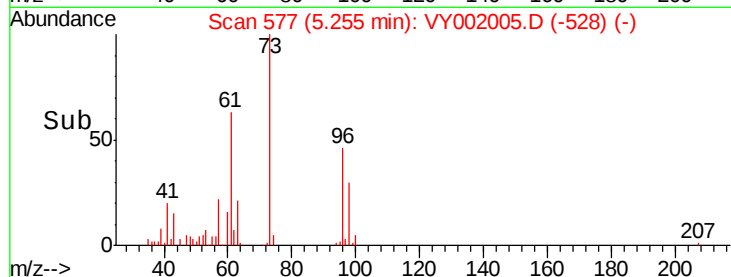
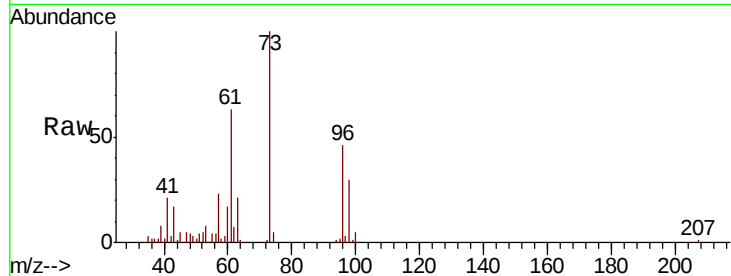
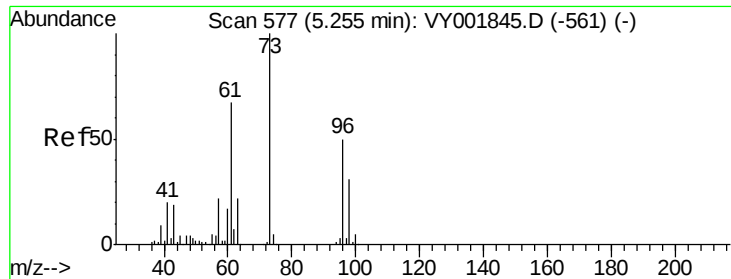
Tot Ion: 76 Resp: 110228
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 22.322 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 43 Resp: 27171
Ion Ratio Lower Upper
43 100
74 22.3 19.0 28.6

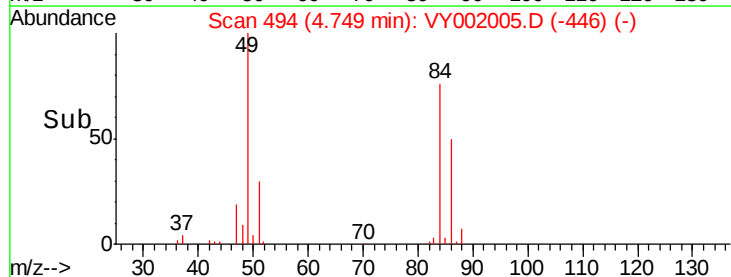
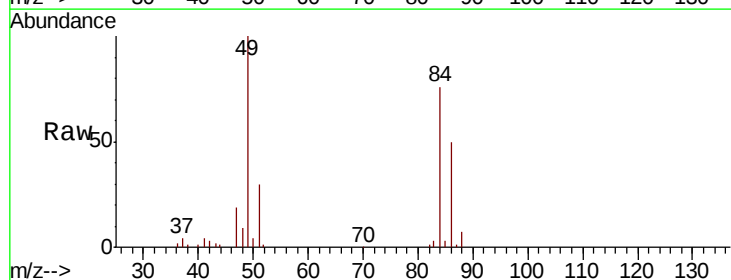
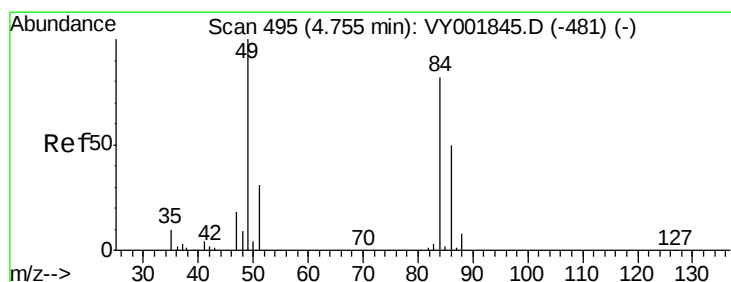
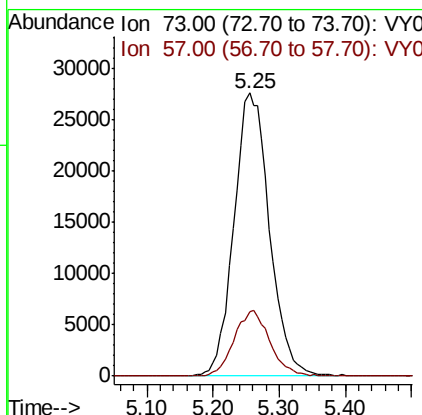




#19
Methyl tert-butyl Ether
Concen: 22.392 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

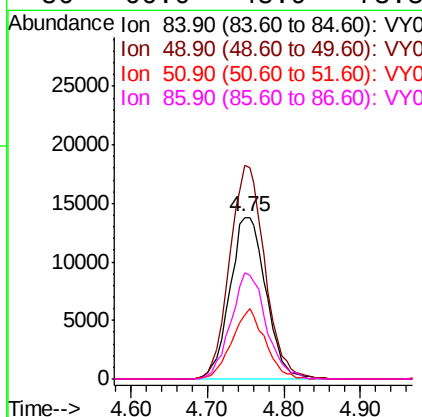
Tot Ion: 73 Resp: 102788
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.2

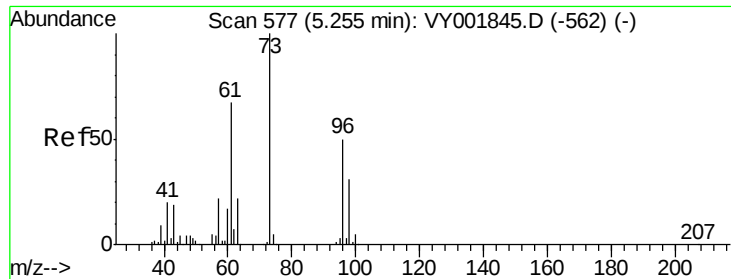
Instrument :
MSVOA_Y
ClientSampleId :



#20
Methylene Chloride
Concen: 22.227 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 84 Resp: 45128
Ion Ratio Lower Upper
84 100
49 132.2 98.2 147.2
51 39.4 30.2 45.2
86 66.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.929 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

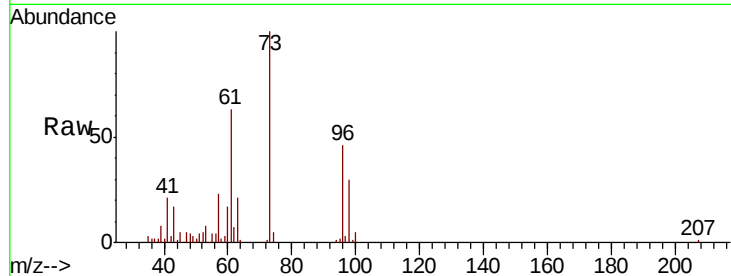
Tot Ion: 96 Resp: 40238

Ion Ratio Lower Upper

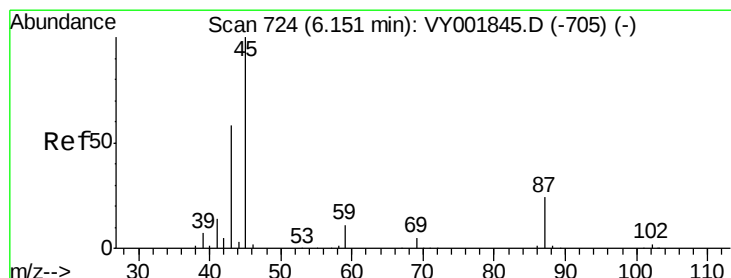
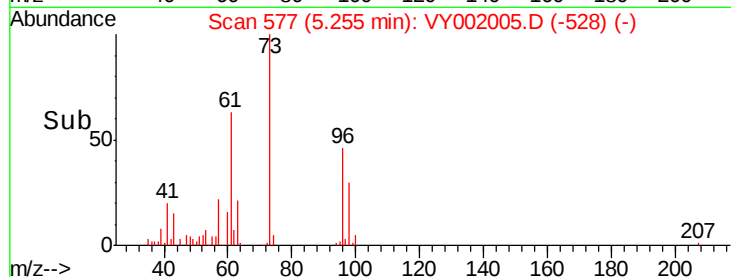
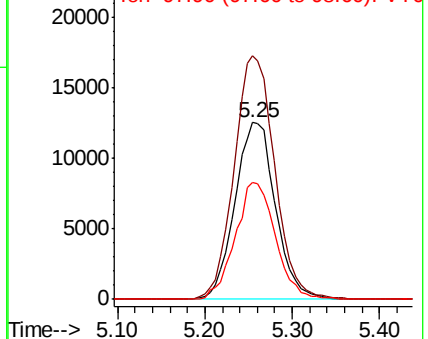
96 100

61 137.6 107.7 161.5

98 65.9 49.3 73.9



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



#22

Diisopropyl ether

Concen: 22.188 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion: 45 Resp: 136578

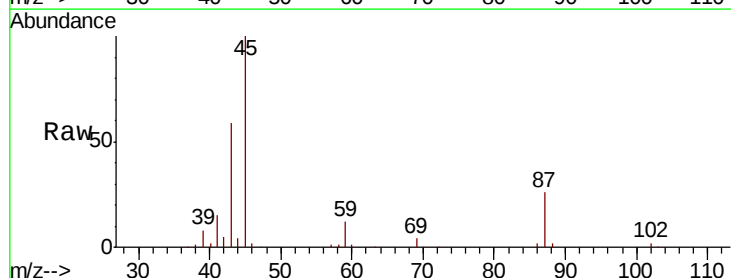
Ion Ratio Lower Upper

45 100

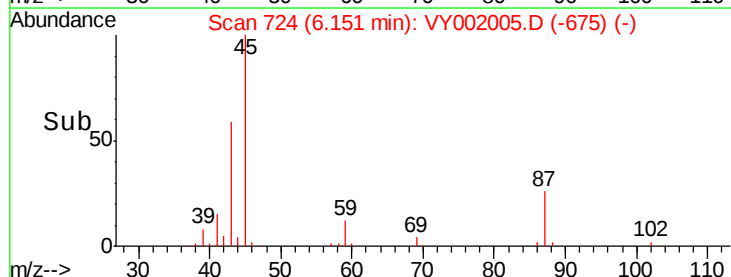
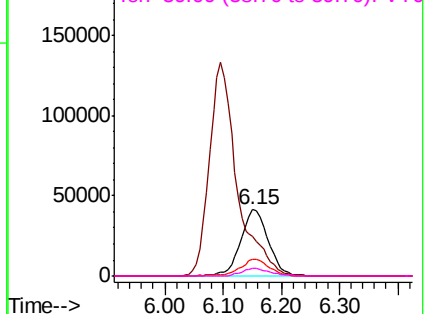
43 58.6 47.2 70.8

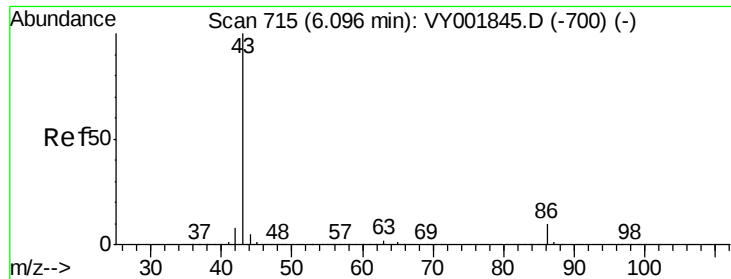
87 25.5 19.8 29.8

59 11.7 8.8 13.2



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: 108.851 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

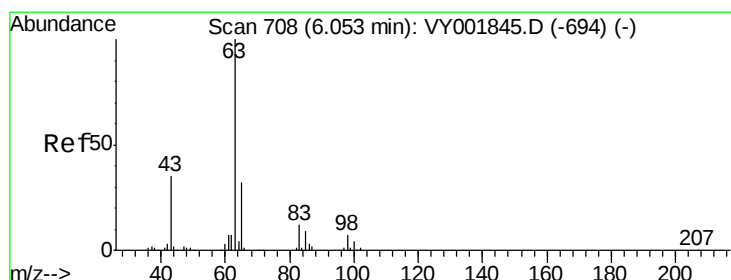
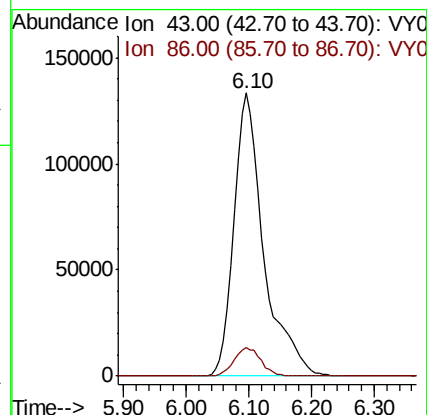
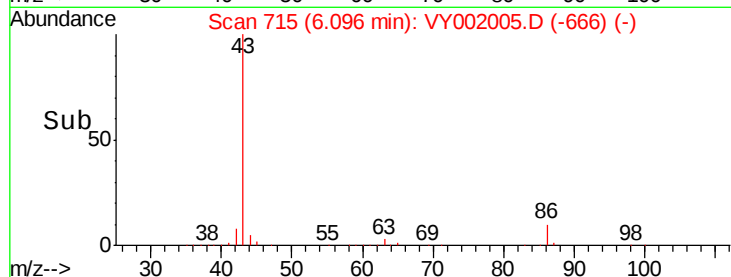
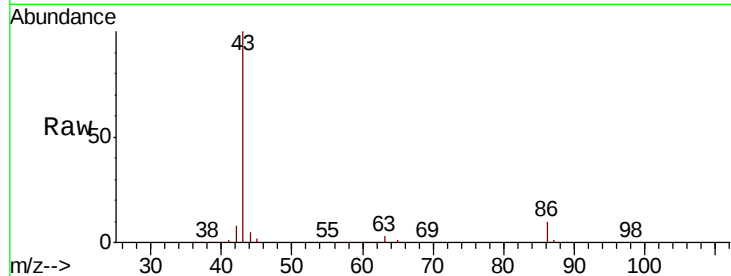
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 439251

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



#24

1,1-Dichloroethane

Concen: 21.374 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

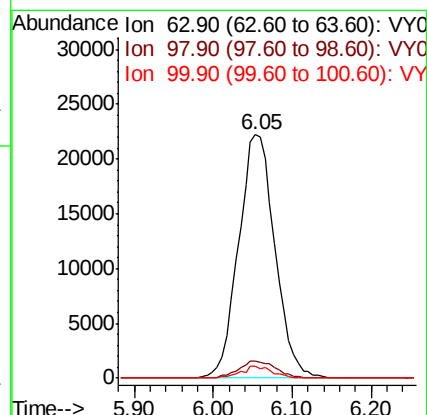
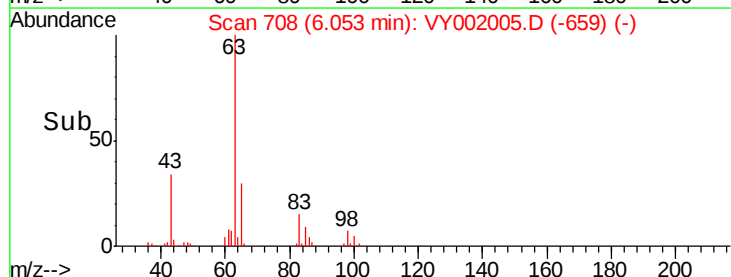
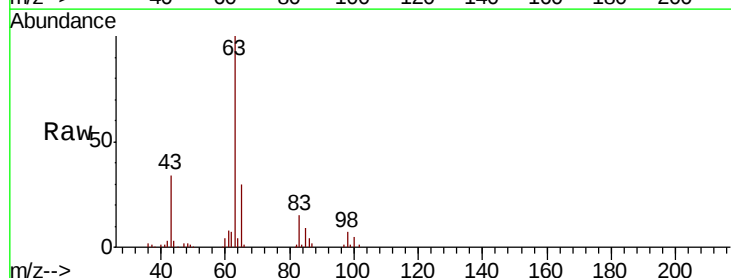
Tgt Ion: 63 Resp: 71249

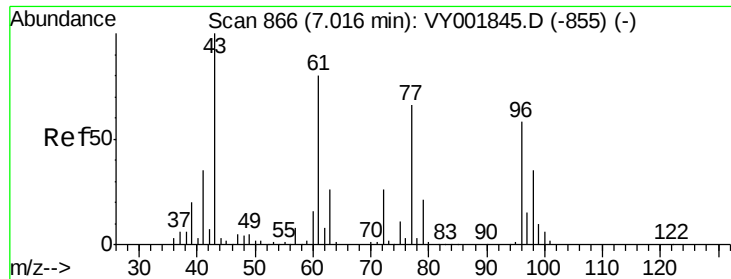
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.7 2.0 6.0

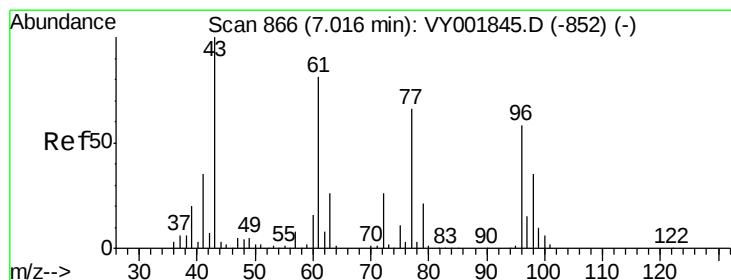
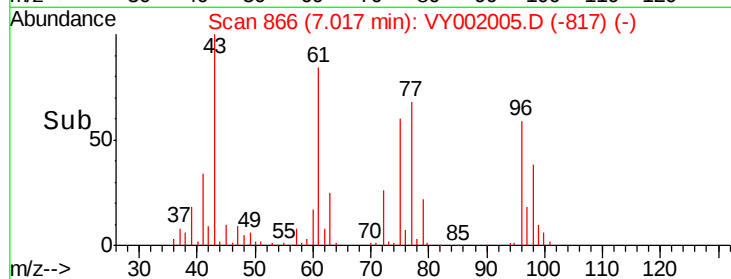
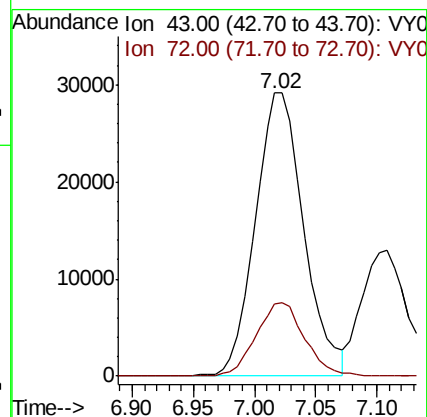
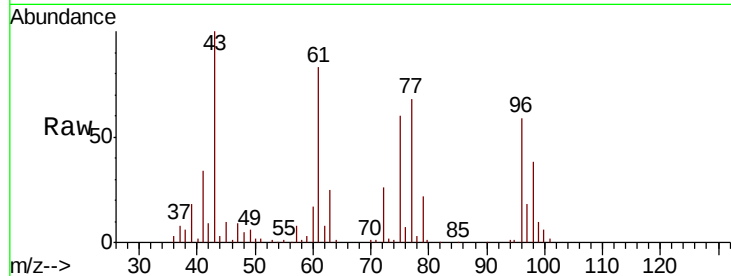




#25
2-Butanone
Concen: 111.504 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

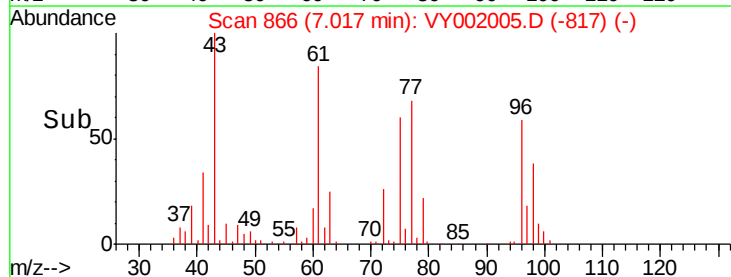
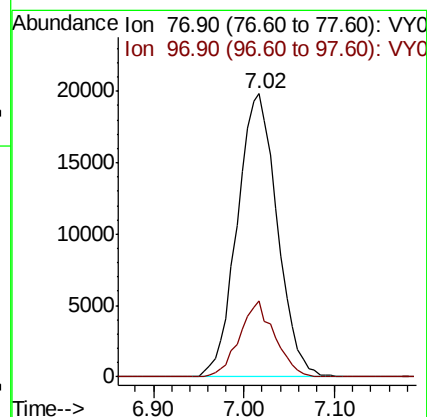
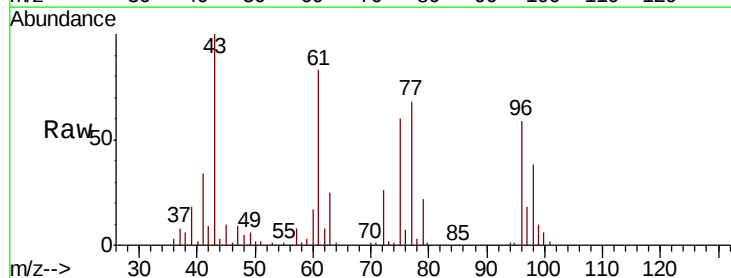
Instrument :
MSVOA_Y
ClientSampled :

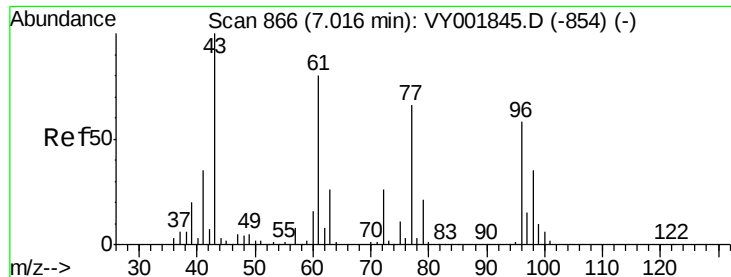
Tot Ion: 43 Resp: 80328
Ion Ratio Lower Upper
43 100
72 25.6 20.9 31.3



#26
2,2-Dichloropropane
Concen: 22.153 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 77 Resp: 60609
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.7



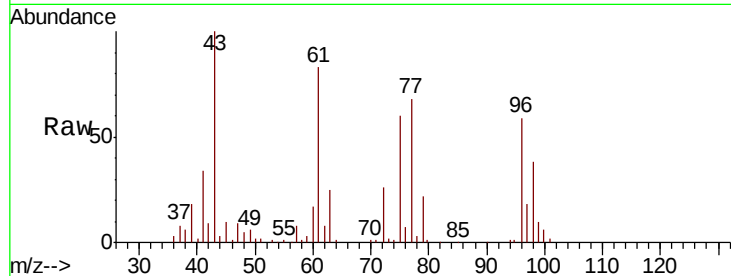


#27

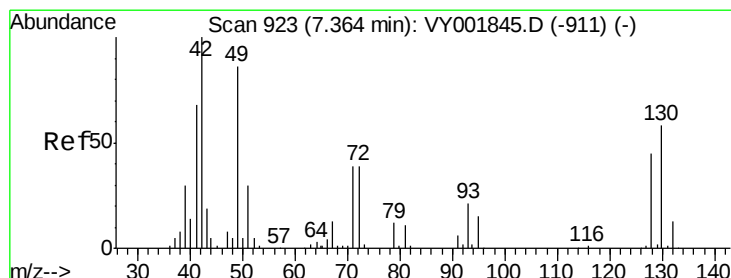
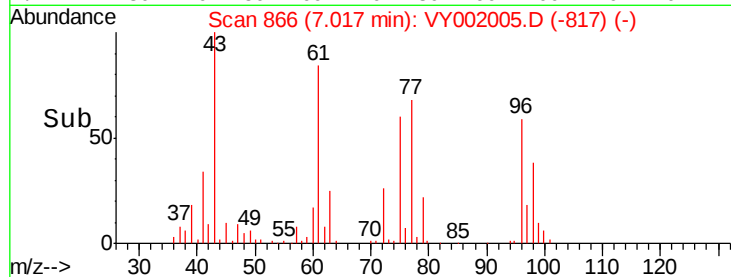
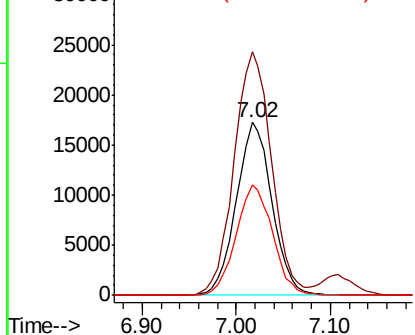
cis-1,2-Dichloroethene
Concen: 21.789 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 45568
Ion Ratio Lower Upper
96 100
61 147.2 0.0 288.2
98 64.8 0.0 129.0



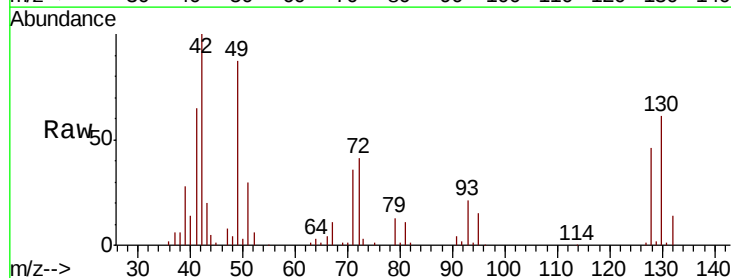
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



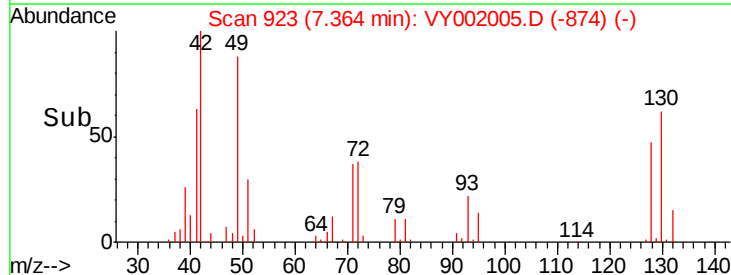
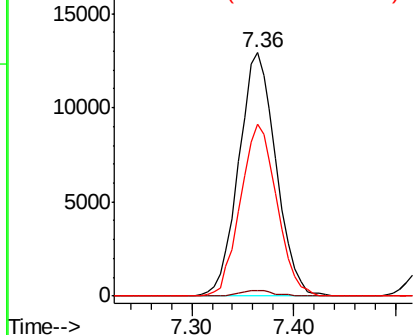
#28

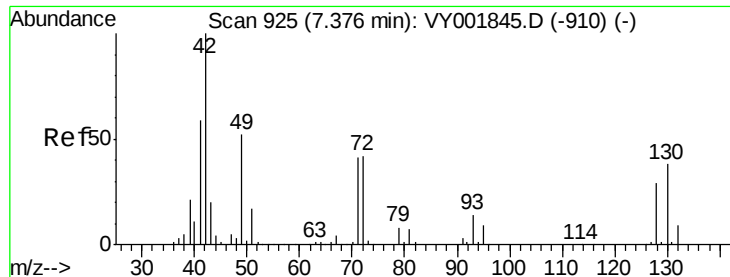
Bromochloromethane
Concen: 21.786 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 49 Resp: 32734
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 69.1 54.4 81.6



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

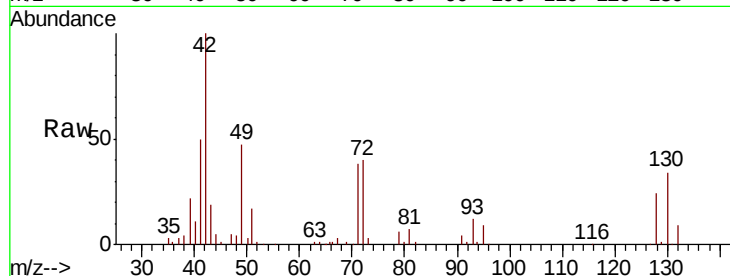




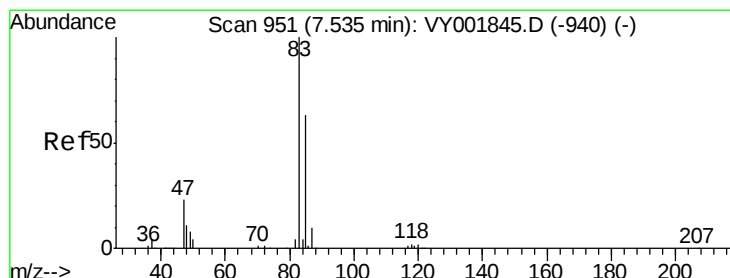
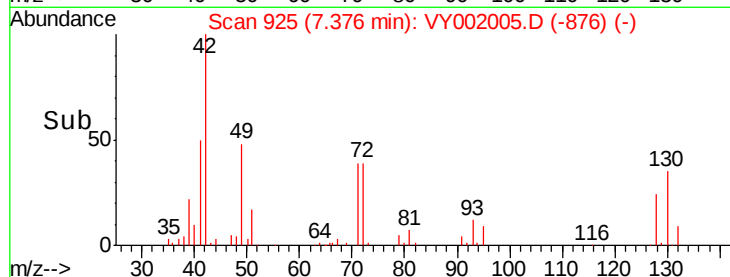
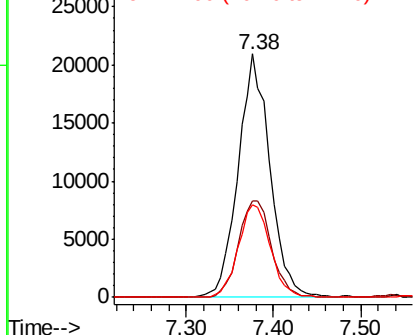
#29
Tetrahydrofuran
Concen: 110.201 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 52720
Ion Ratio Lower Upper
42 100
72 41.1 33.5 50.3
71 38.5 31.3 46.9

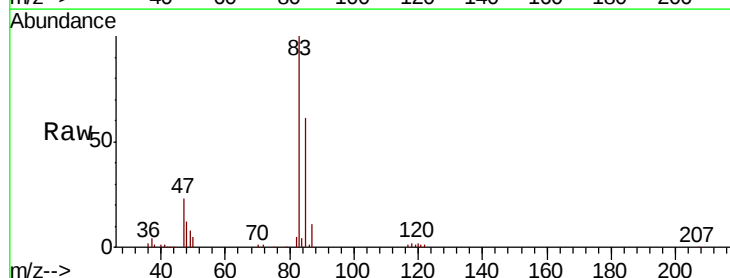


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

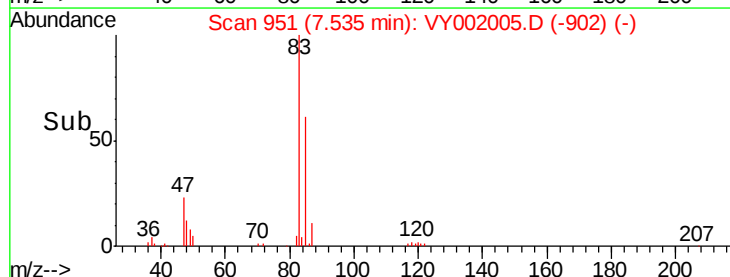
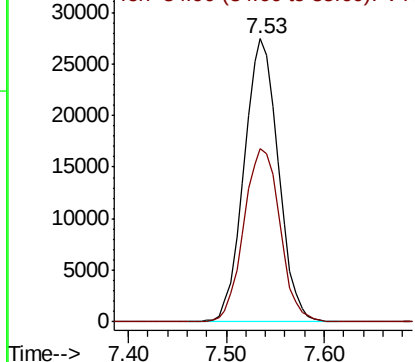


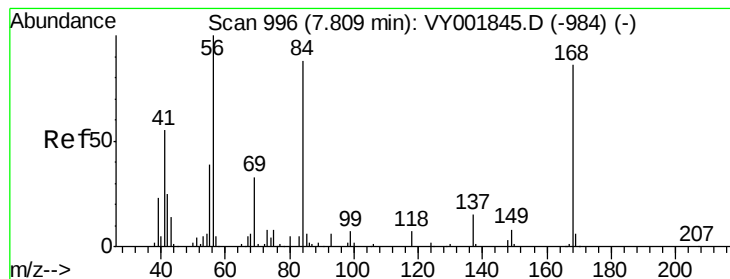
#30
Chloroform
Concen: 21.396 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 83 Resp: 67008
Ion Ratio Lower Upper
83 100
85 61.4 50.7 76.1



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





#31

Cyclohexane

Concen: 20.376 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampled :

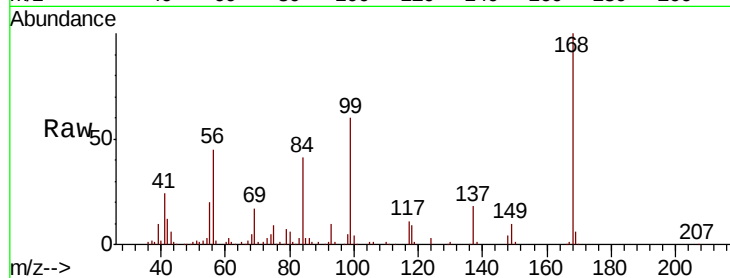
Tot Ion: 56 Resp: 72827

Ion Ratio Lower Upper

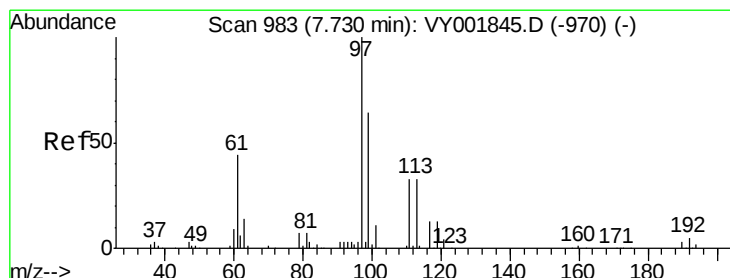
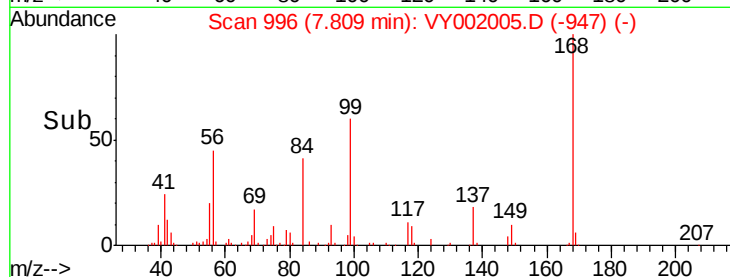
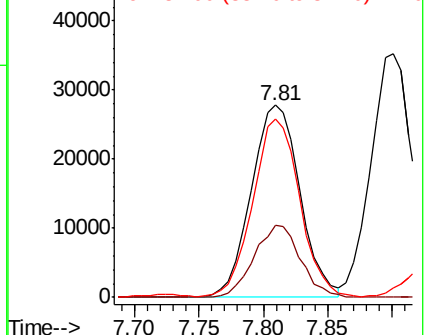
56 100

69 37.3 26.7 40.1

84 91.8 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 21.860 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

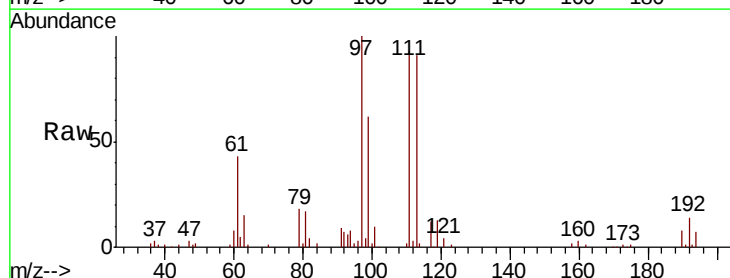
Tgt Ion: 97 Resp: 57702

Ion Ratio Lower Upper

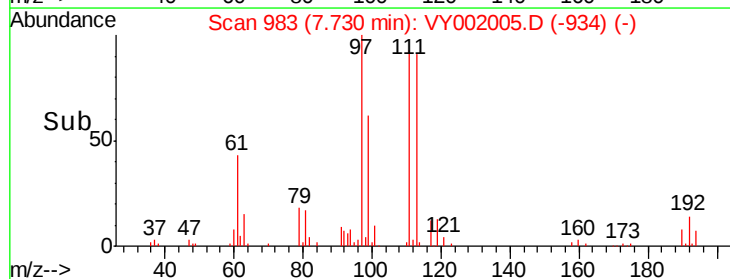
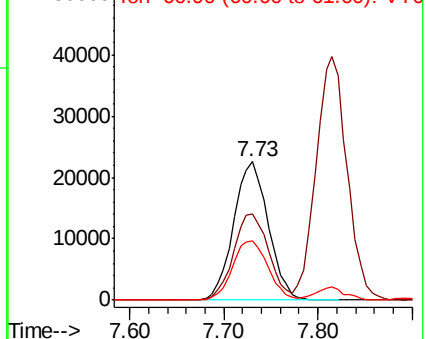
97 100

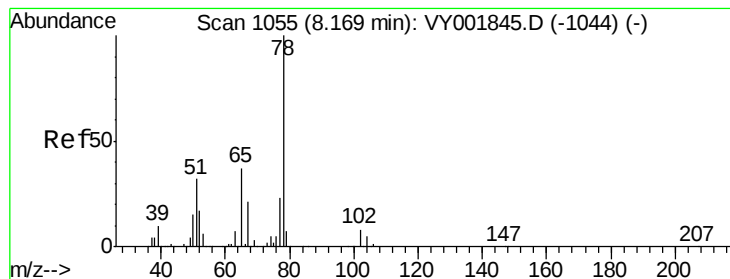
99 63.5 52.0 78.0

61 43.7 35.0 52.4



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





#33

1,2-Dichloroethane-d4

Concen: 52.302 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

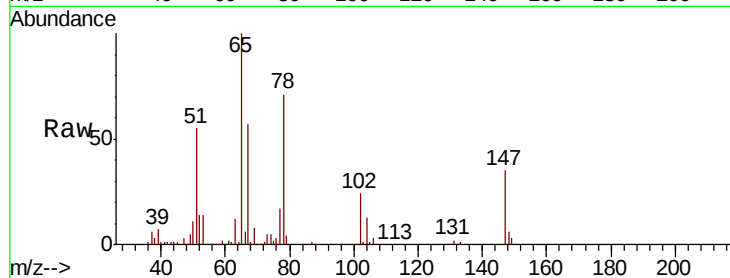
ClientSampleId :

Tot Ion: 65 Resp: 85067

Ion Ratio Lower Upper

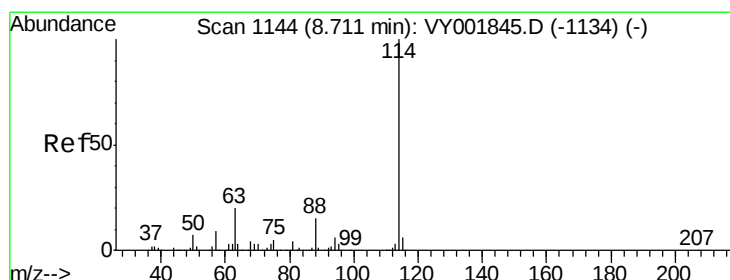
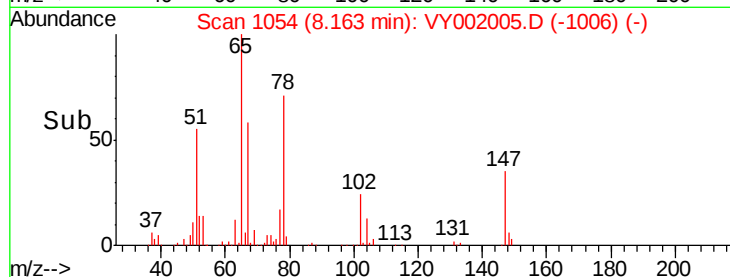
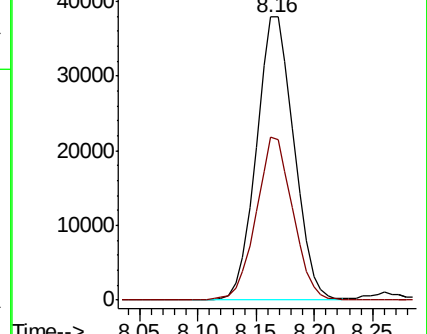
65 100

67 56.0 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

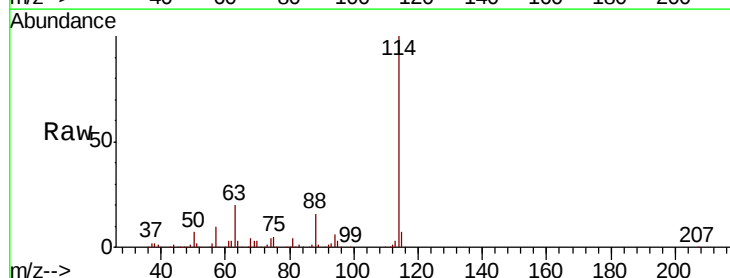
Tgt Ion: 114 Resp: 277172

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

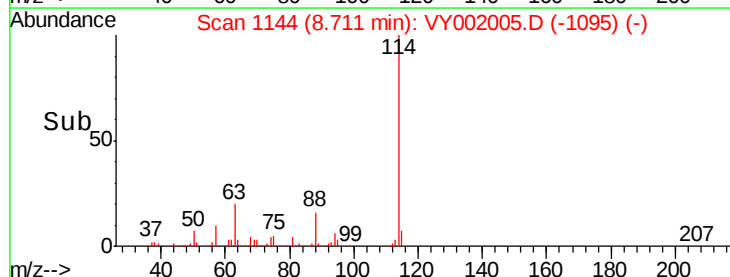
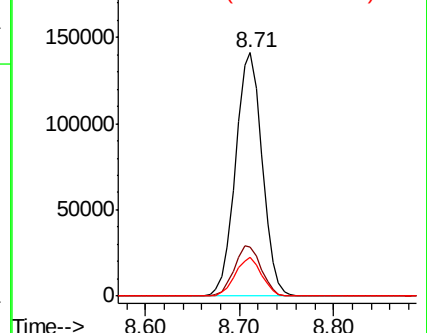
88 15.9 0.0 30.4

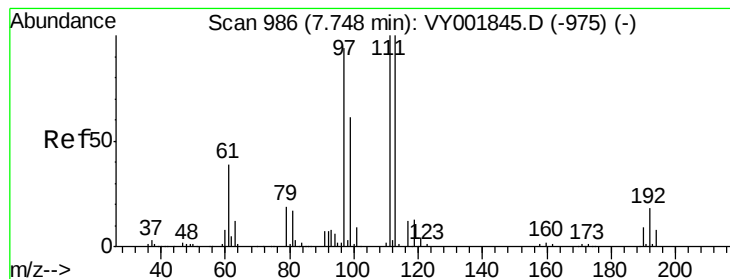


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.419 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

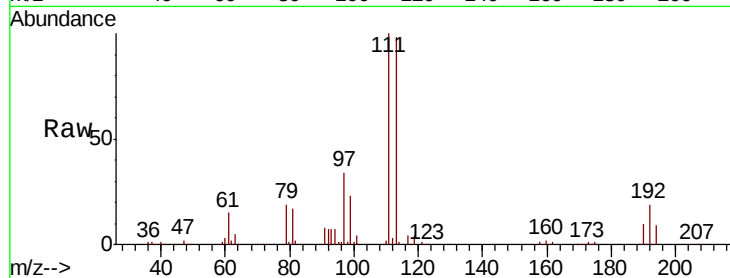
Tot Ion:113 Resp: 79335

Ion Ratio Lower Upper

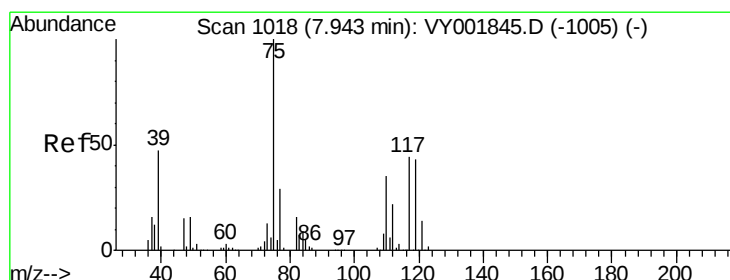
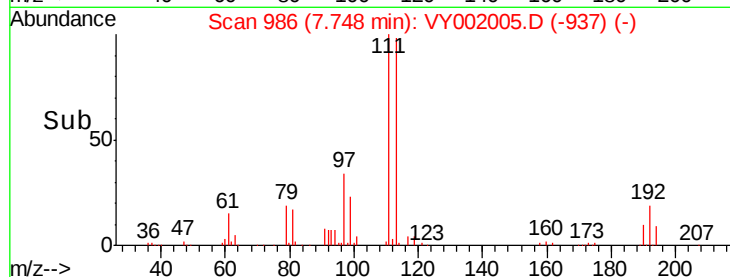
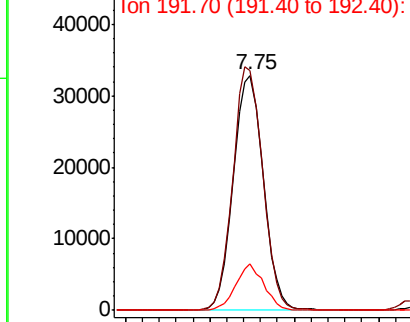
113 100

111 102.7 81.8 122.8

192 18.2 14.2 21.2



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



#36

1,1-Dichloropropene

Concen: 21.172 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

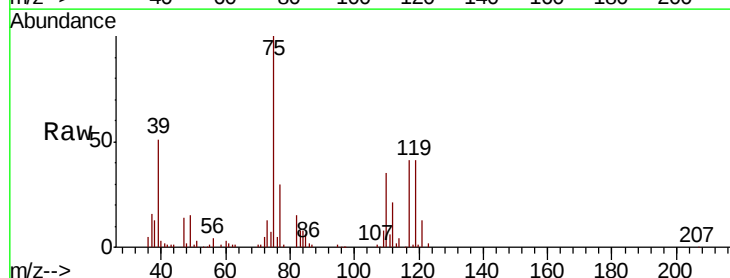
Tgt Ion: 75 Resp: 56471

Ion Ratio Lower Upper

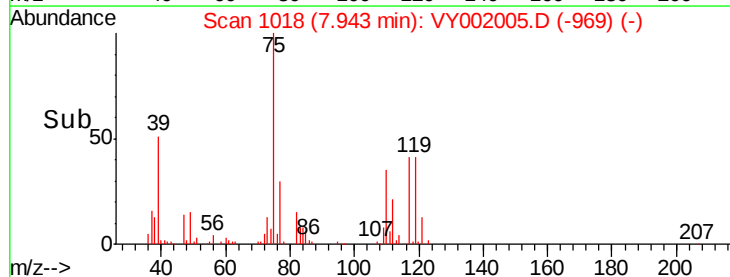
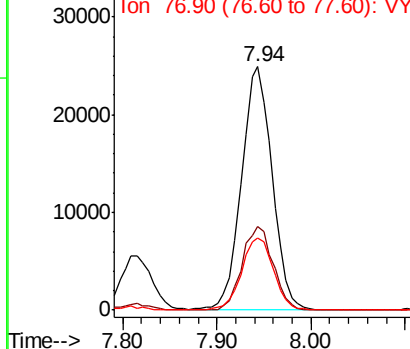
75 100

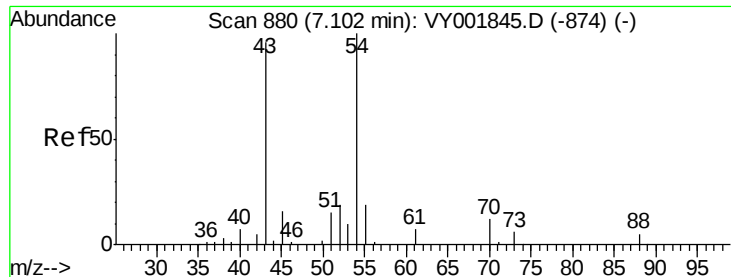
110 34.5 17.4 52.2

77 30.7 24.2 36.2



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

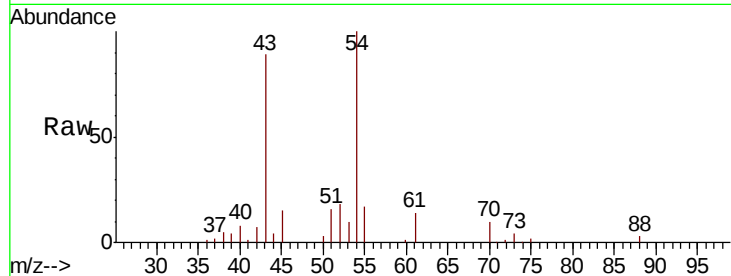




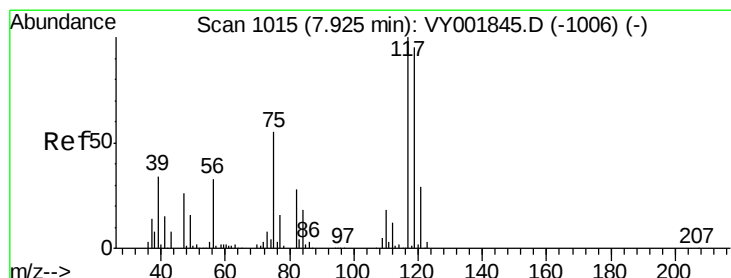
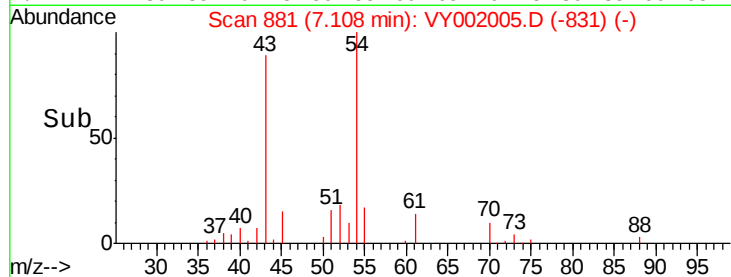
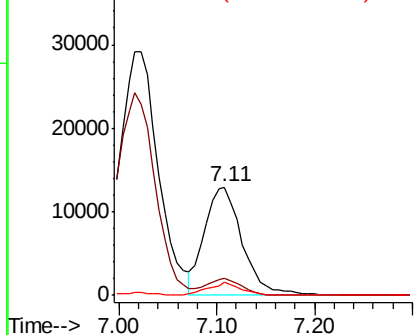
#37
Ethyl Acetate
Concen: 22.178 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 34381
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 10.7 8.2 12.4

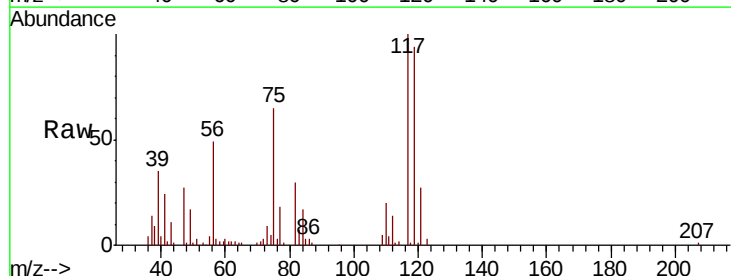


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

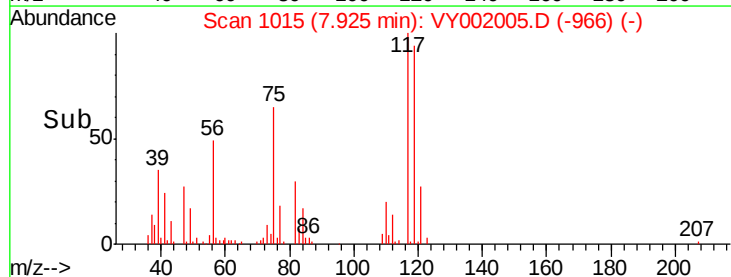
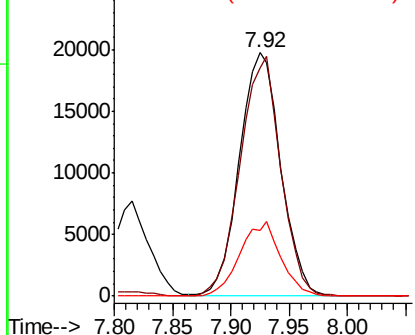


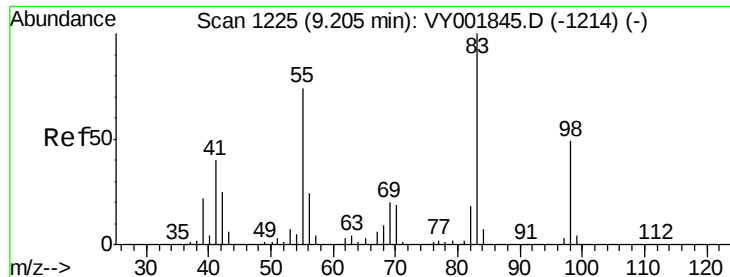
#38
Carbon Tetrachloride
Concen: 21.447 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 117 Resp: 48867
Ion Ratio Lower Upper
117 100
119 93.9 76.3 114.5
121 26.8 23.5 35.3



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

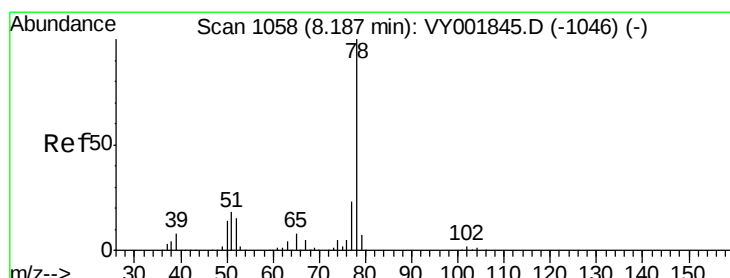
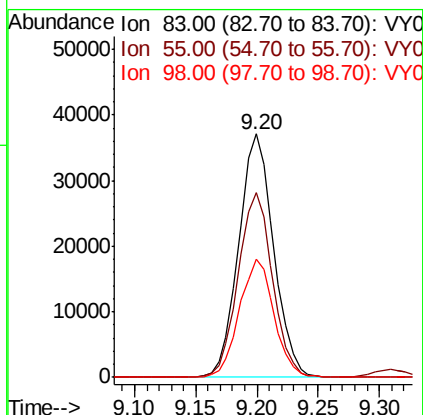
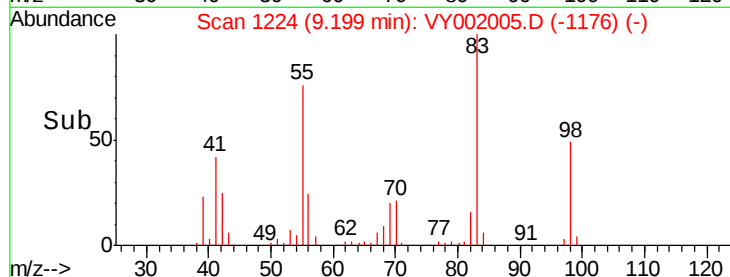
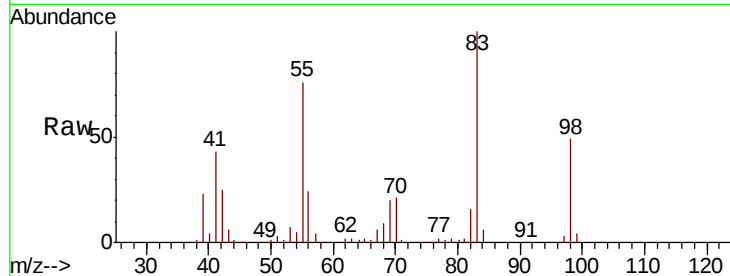




#39
Methvlcvclohexane
Concen: 20.715 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

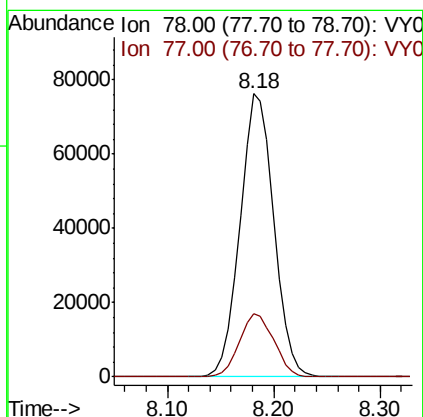
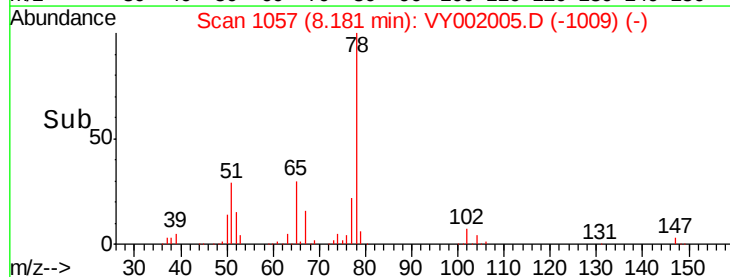
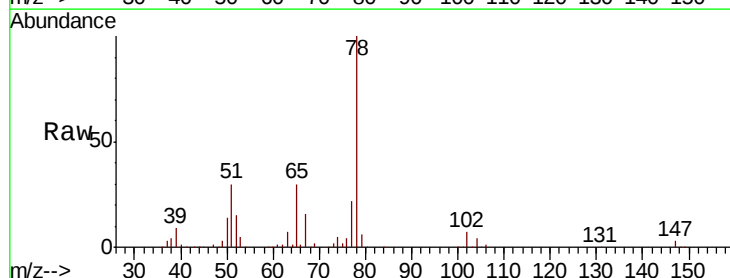
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 73283
Ion Ratio Lower Upper
83 100
55 75.9 59.4 89.0
98 48.6 38.9 58.3



#40
Benzene
Concen: 21.453 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 78 Resp: 169599
Ion Ratio Lower Upper
78 100
77 22.3 18.7 28.1

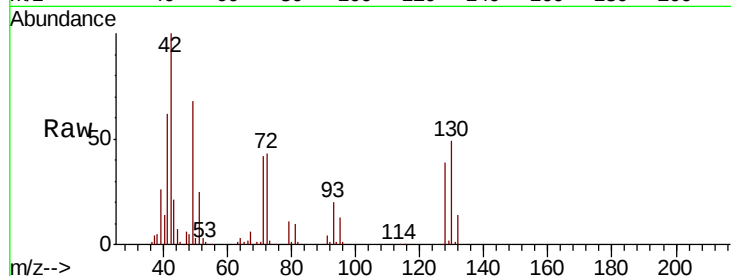




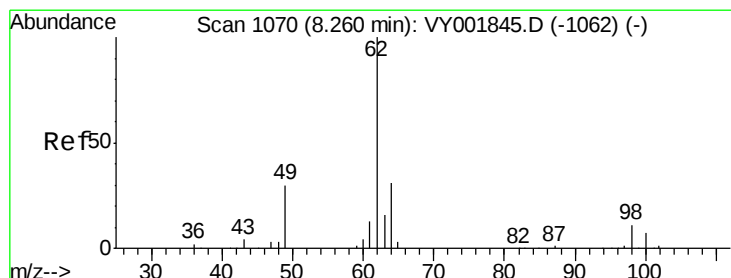
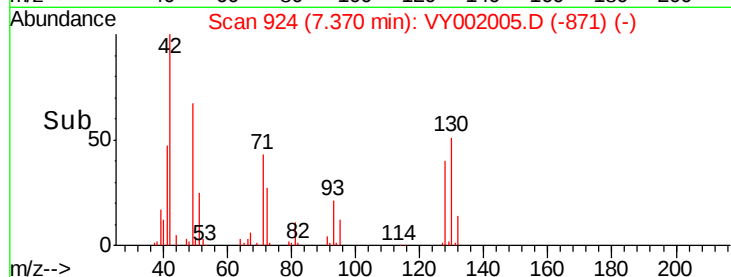
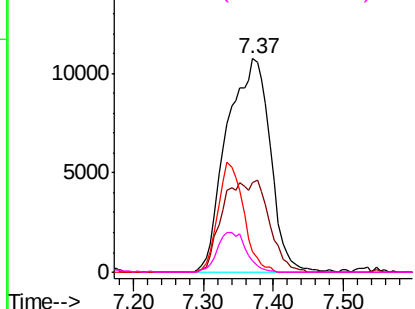
#41
Methacrylonitrile
Concen: 66.573 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 46445
Ion Ratio Lower Upper
41 100
39 26.8 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

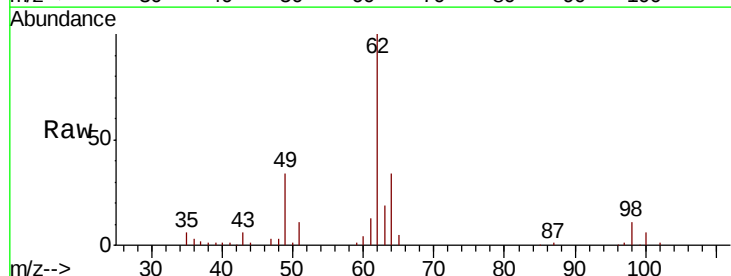


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

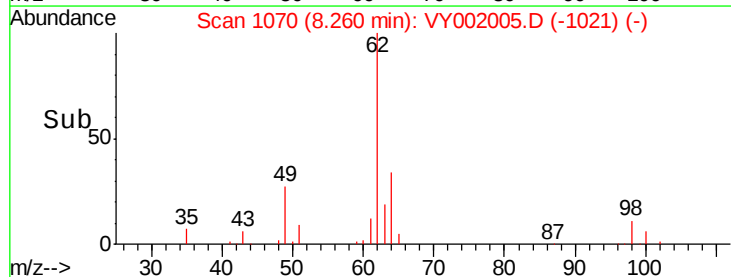
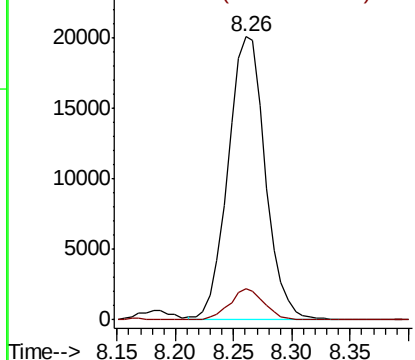


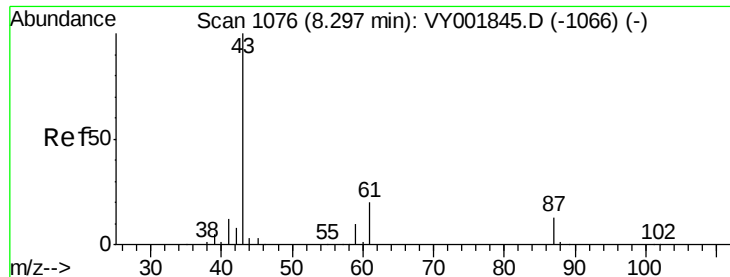
#42
1,2-Dichloroethane
Concen: 21.921 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 62 Resp: 44656
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.4



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



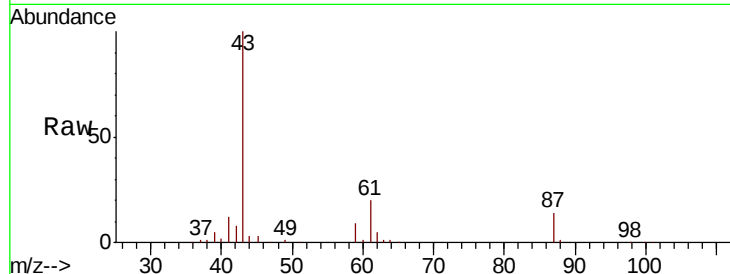


#43

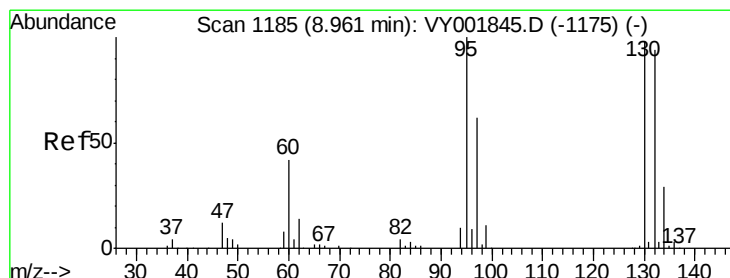
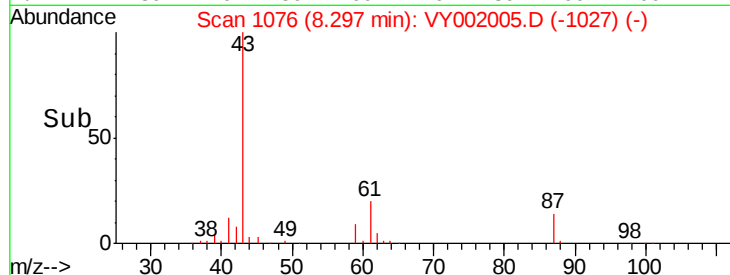
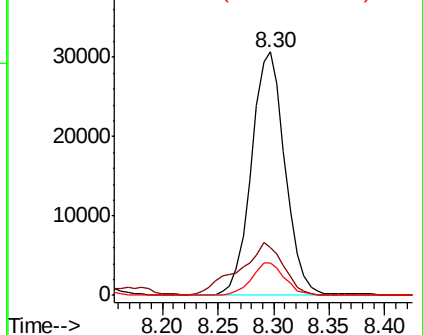
Isopropyl Acetate
 Concen: 21.969 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 43 Resp: 64477
 Ion Ratio Lower Upper
 43 100
 61 28.7 23.8 35.6
 87 13.2 10.9 16.3



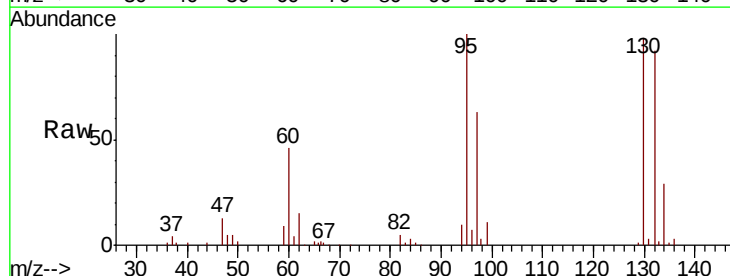
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



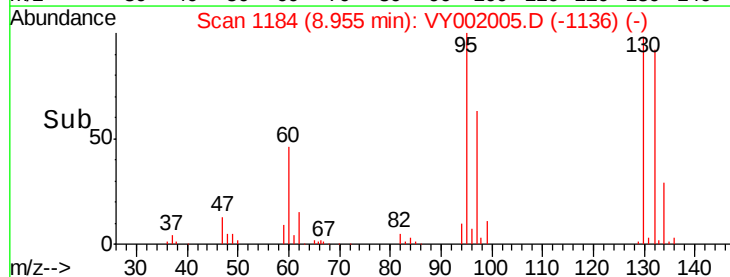
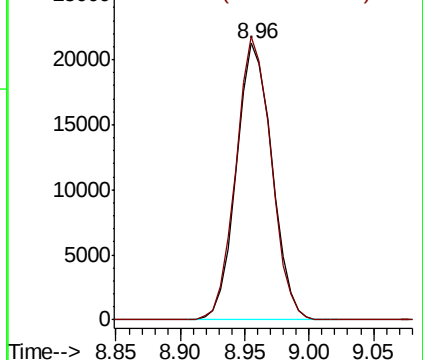
#44

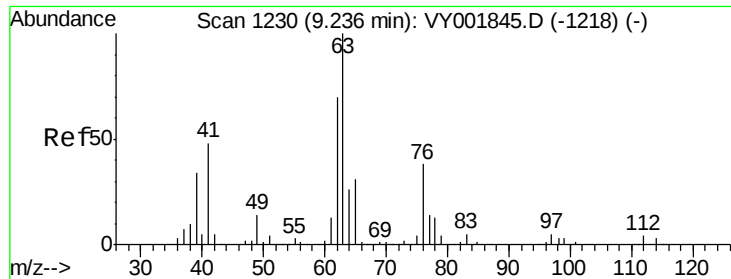
Trichloroethene
 Concen: 21.190 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion:130 Resp: 40799
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 204.6



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

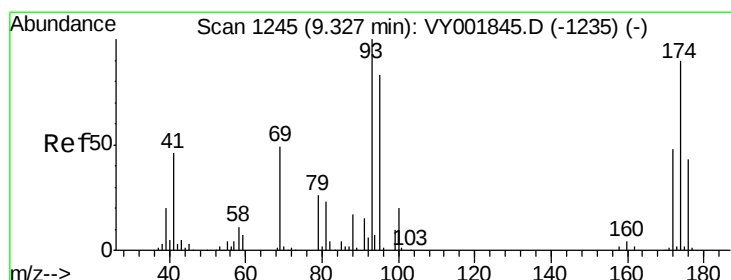
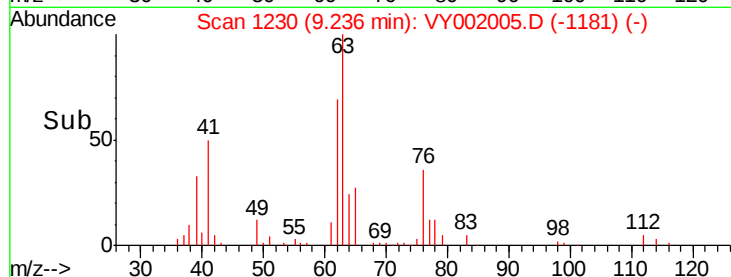
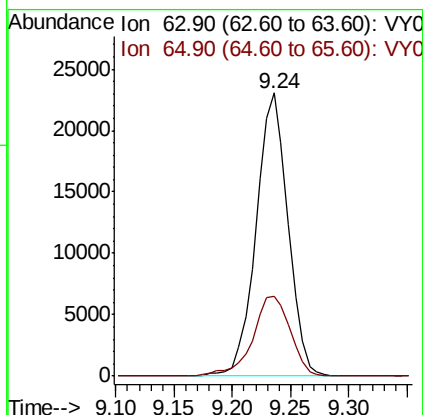
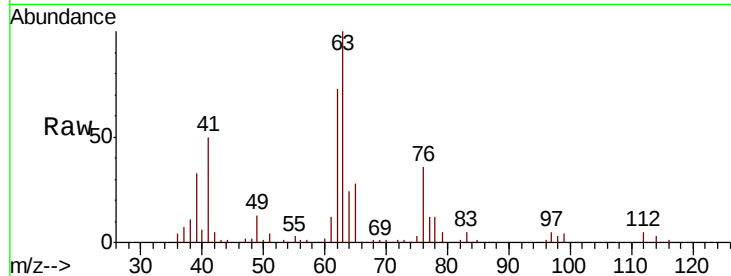




#45
 1,2-Dichloropropane
 Concen: 21.990 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

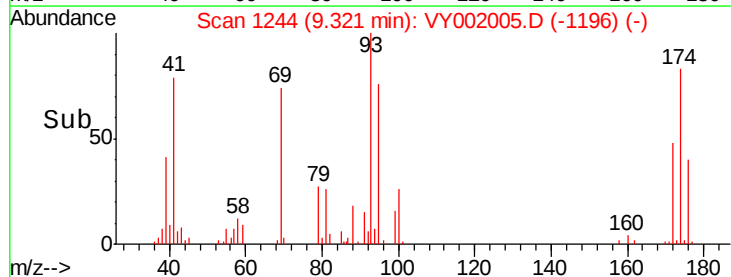
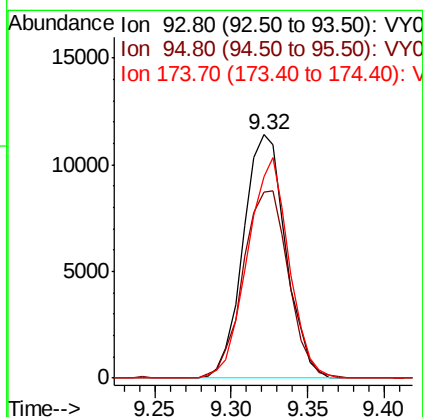
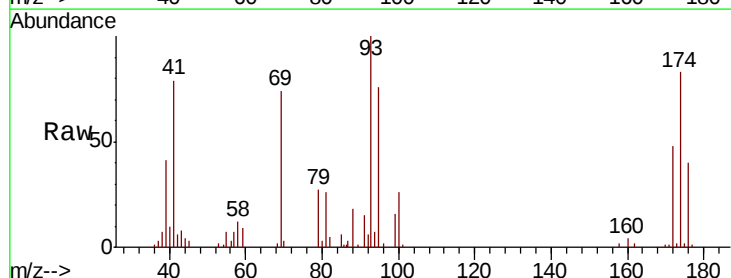
Instrument :
 MSVOA_Y
 ClientSampled :

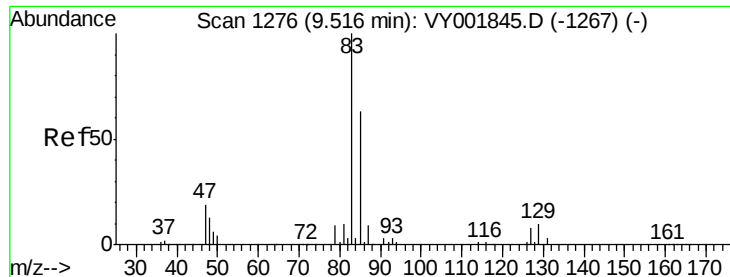
Tot Ion: 63 Resp: 43702
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.9 37.3



#46
 Dibromomethane
 Concen: 21.512 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 93 Resp: 22031
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.4
 174 88.4 71.8 107.8





#47

Bromodichloromethane

Concen: 21.809 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

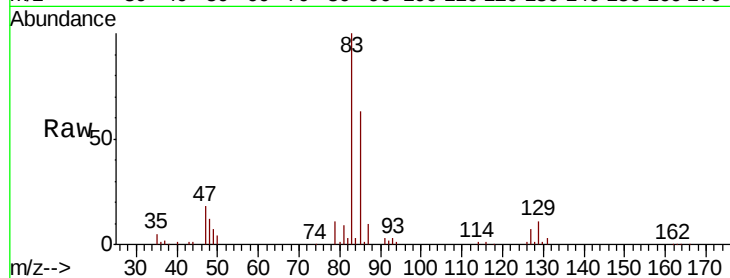
Tot Ion: 83 Resp: 51957

Ion Ratio Lower Upper

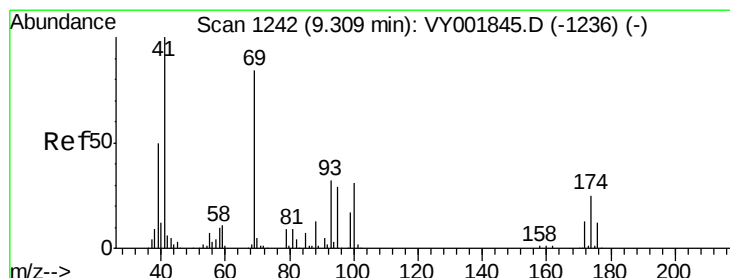
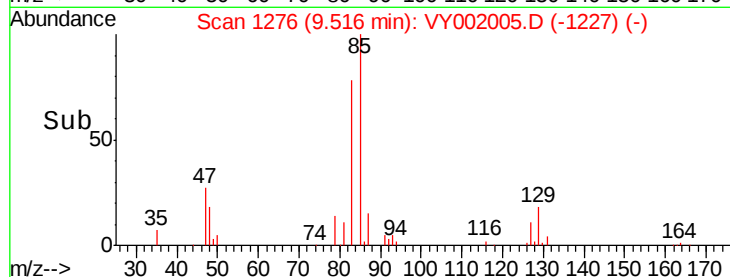
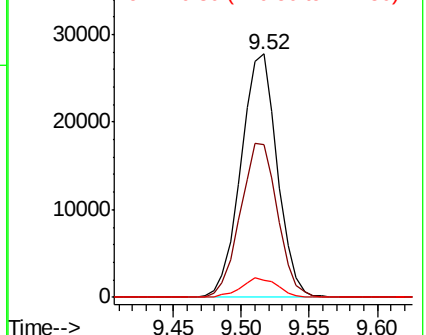
83 100

85 63.0 50.6 76.0

127 6.8 6.2 9.4



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



#48

Methyl methacrylate

Concen: 21.282 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

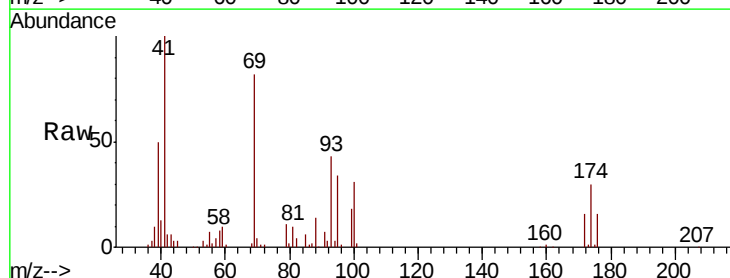
Tgt Ion: 41 Resp: 27716

Ion Ratio Lower Upper

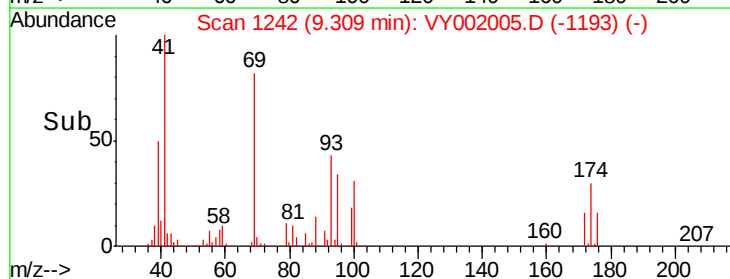
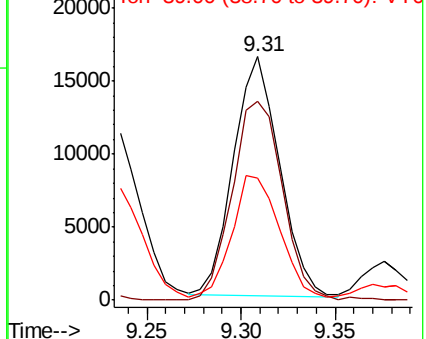
41 100

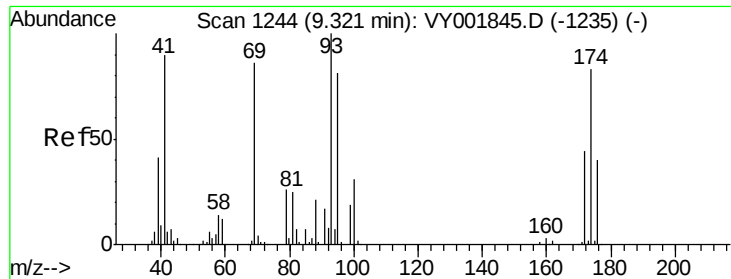
69 91.7 69.0 103.6

39 52.9 39.1 58.7



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

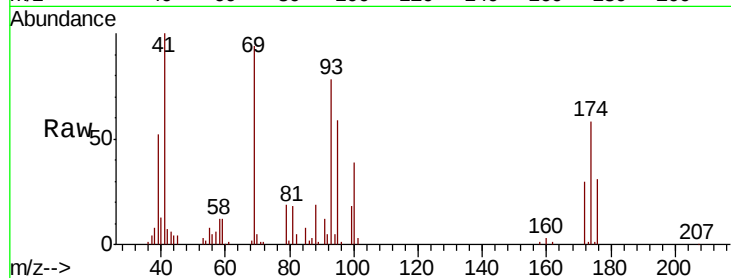




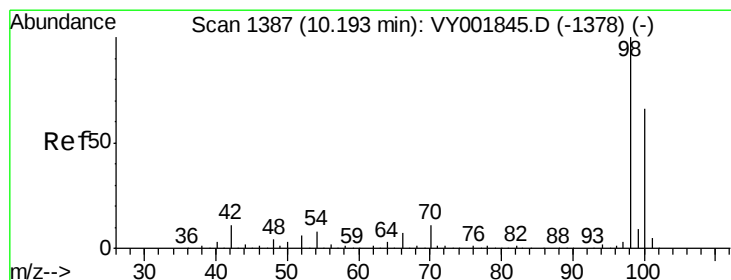
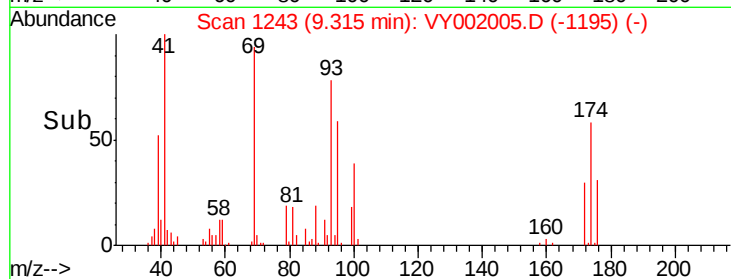
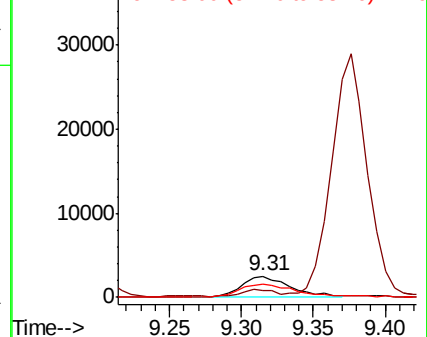
#49
1,4-Dioxane
Concen: 423.640 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 5945
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.6#
58 72.0 58.9 88.3

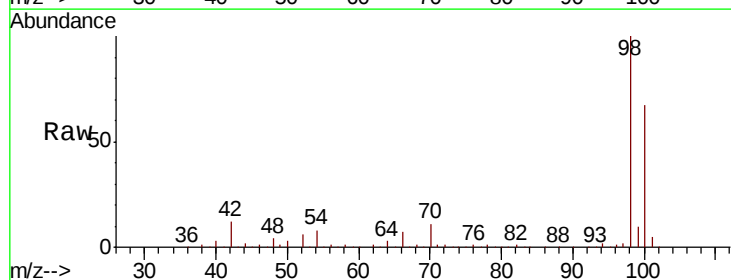


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

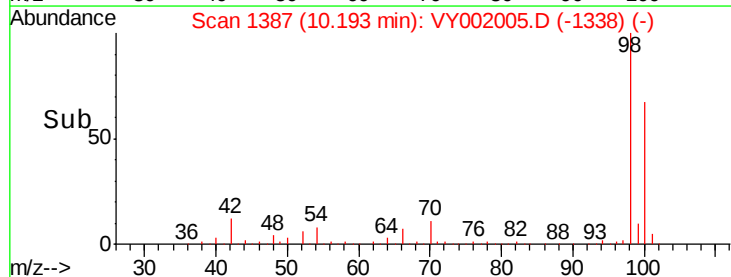
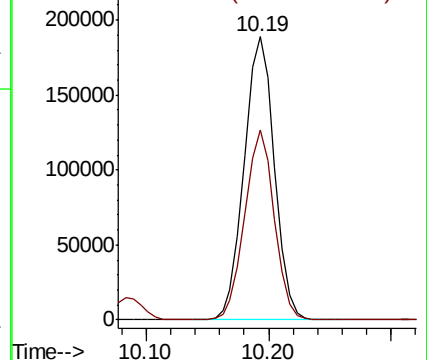


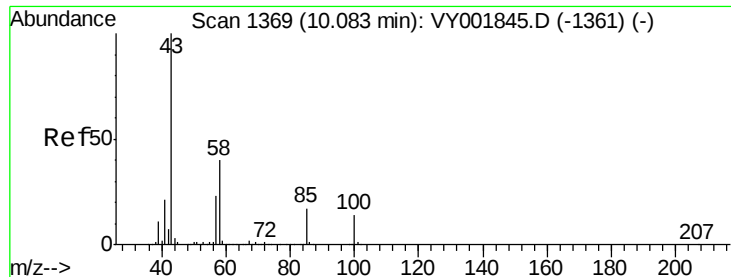
#50
Toluene-d8
Concen: 50.603 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 98 Resp: 322952
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



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: 115.246 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

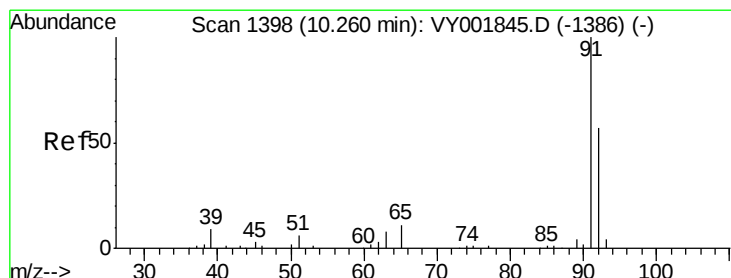
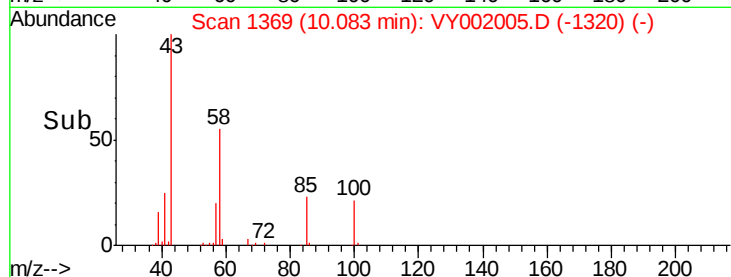
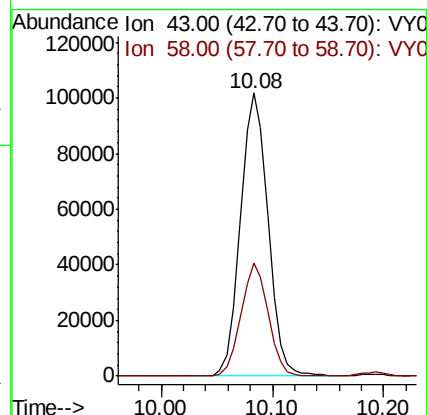
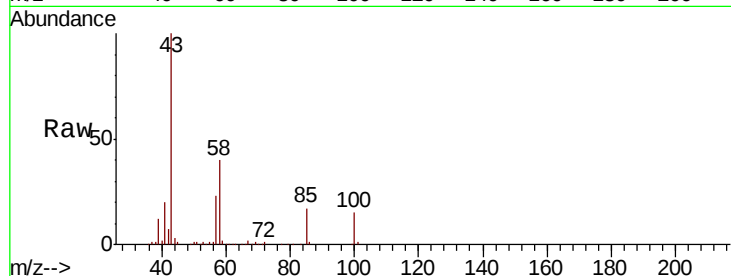
ClientSampled :

Tot Ion: 43 Resp: 174220

Ion Ratio Lower Upper

43 100

58 39.3 32.0 48.0



#52

Toluene

Concen: 21.710 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002005.D

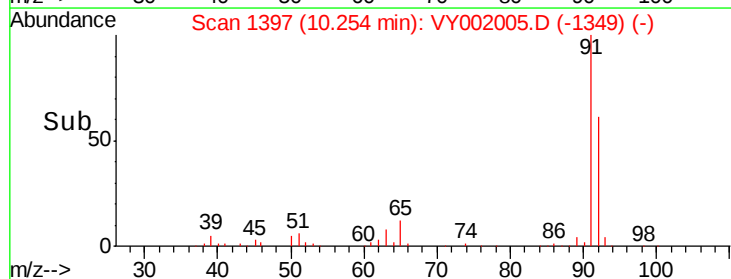
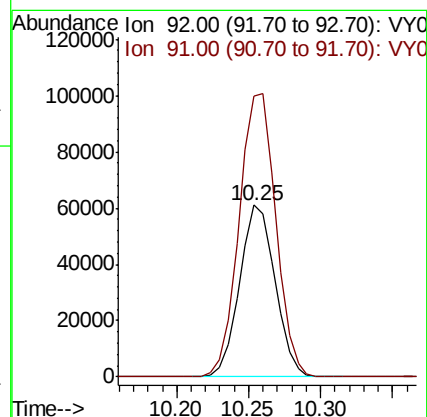
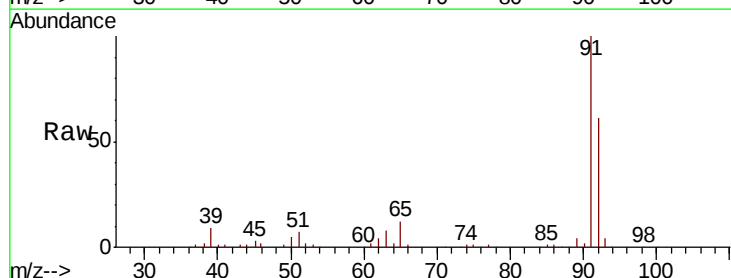
Acq: 18 Mar 2020 11:47

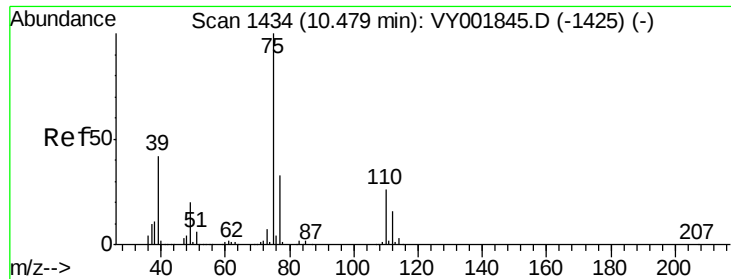
Tgt Ion: 92 Resp: 104262

Ion Ratio Lower Upper

92 100

91 171.0 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 22.503 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

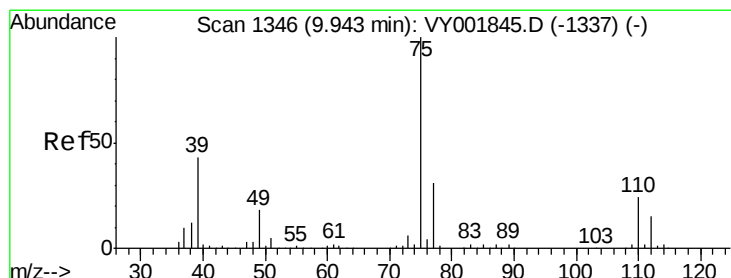
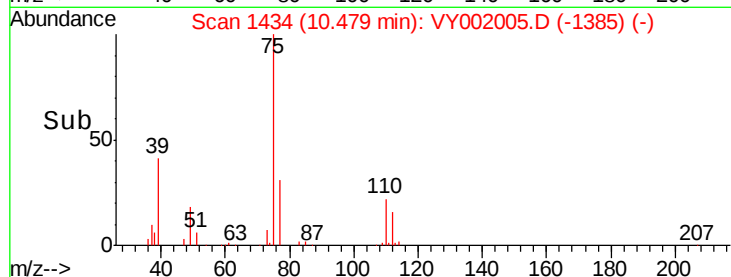
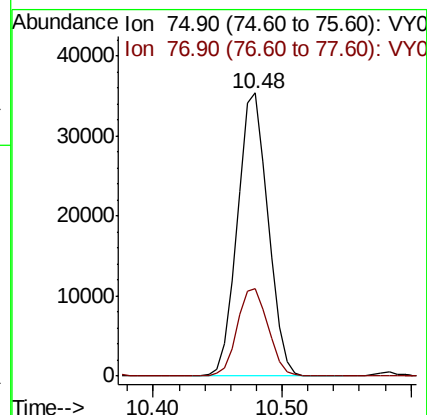
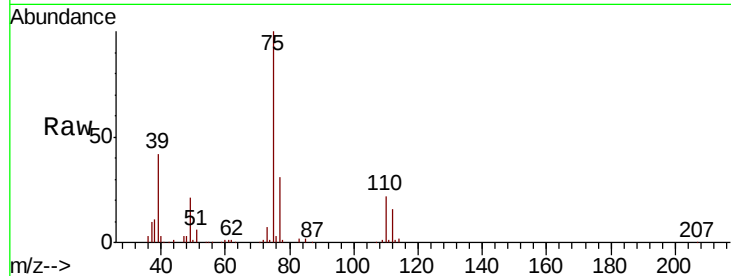
ClientSampleId :

Tot Ion: 75 Resp: 58407

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 21.958 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

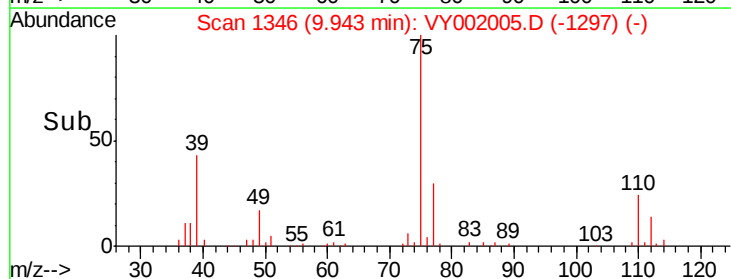
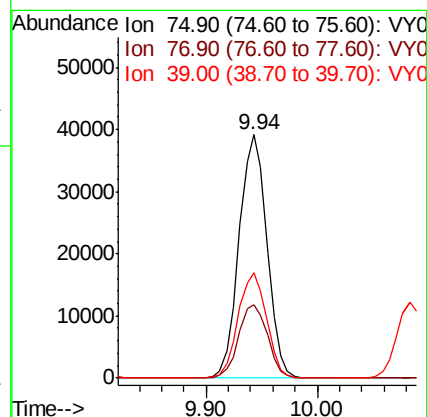
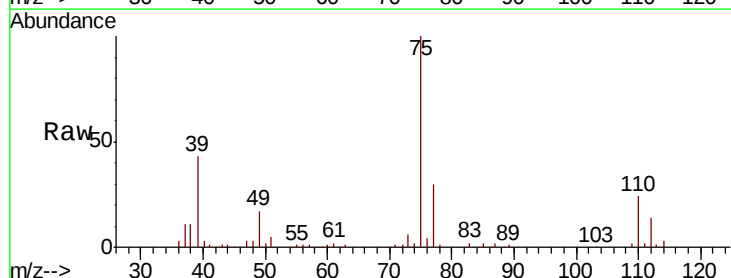
Tgt Ion: 75 Resp: 67847

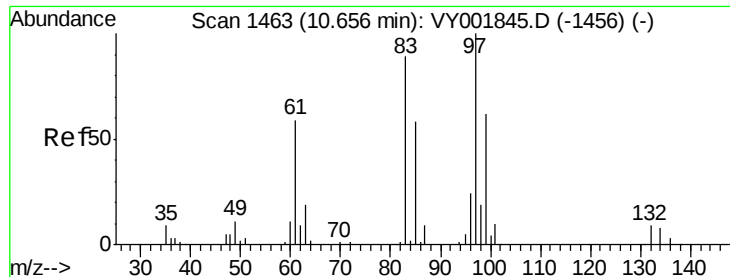
Ion Ratio Lower Upper

75 100

77 30.4 25.1 37.7

39 43.1 34.7 52.1



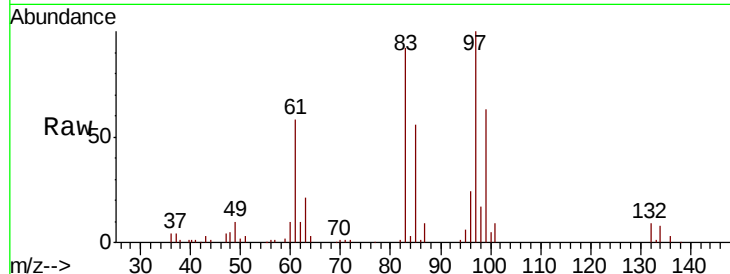


#55
 1,1,2-Trichloroethane
 Concen: 22.015 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 32996

Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.6	107.4
85	56.2	46.6	69.8
99	62.6	49.8	74.6



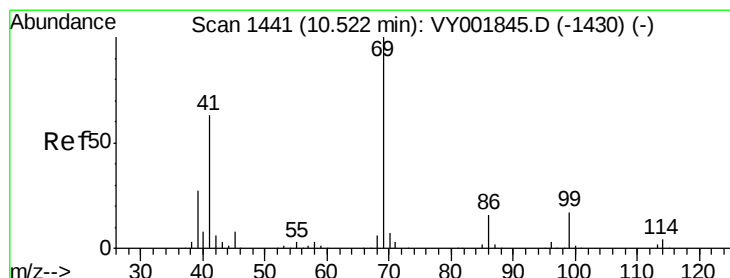
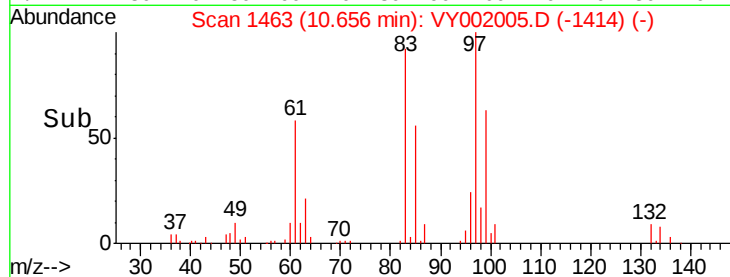
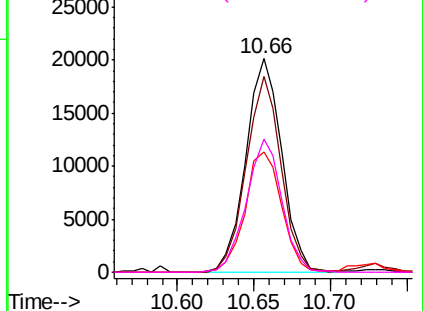
Abundance

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

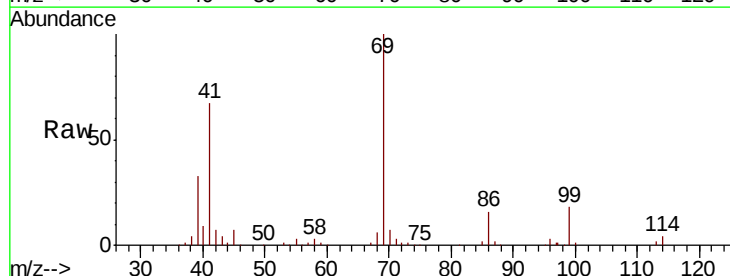
Ion 98.90 (98.60 to 99.60): VY0



#56
 Ethyl methacrylate
 Concen: 21.779 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 69 Resp: 47846

Ion	Ratio	Lower	Upper
69	100		
41	66.0	49.9	74.9
39	33.1	23.0	34.6

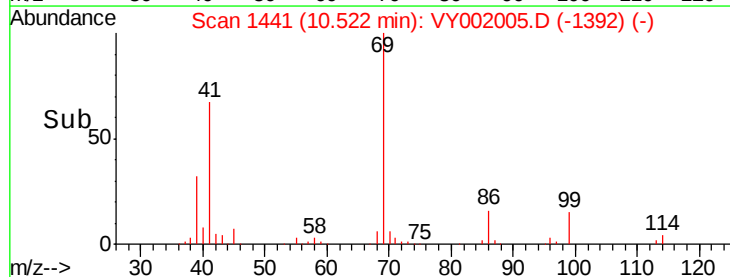
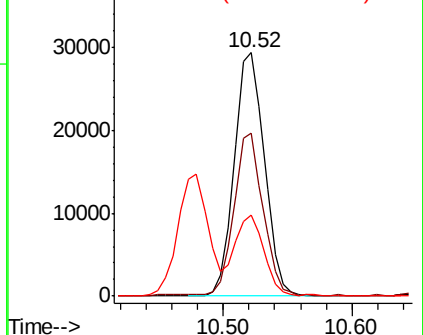


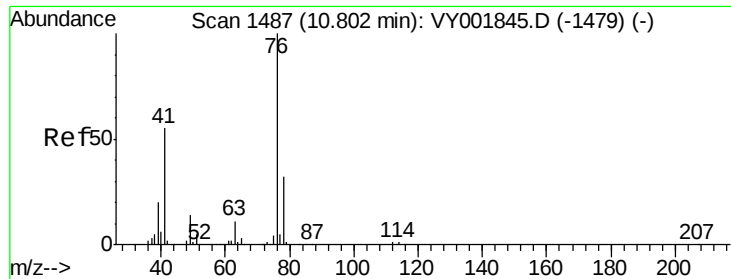
Abundance

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

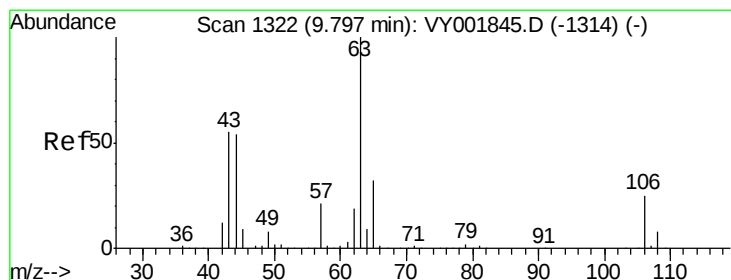
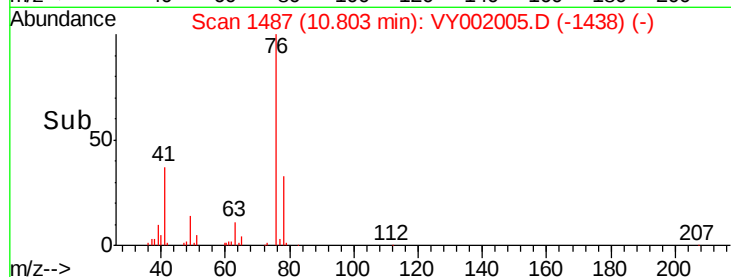
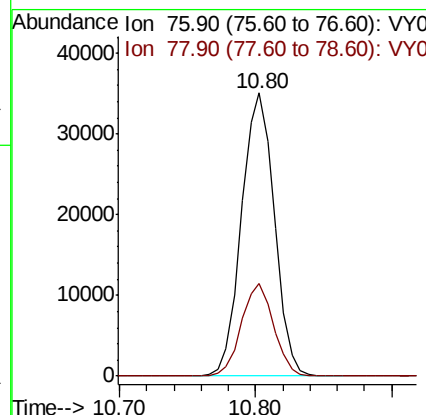
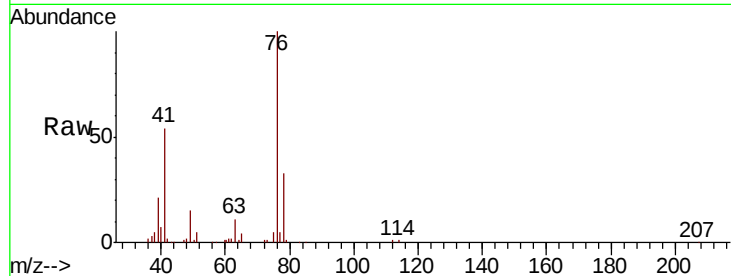




#57
 1,3-Dichloropropane
 Concen: 22.136 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

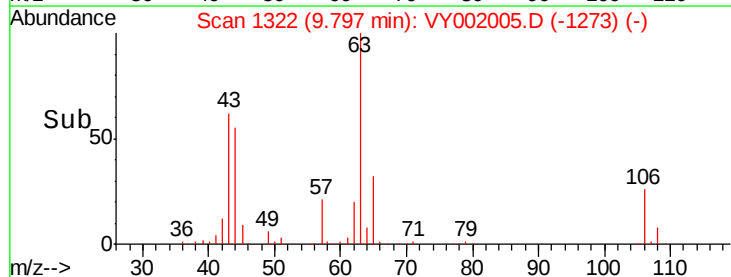
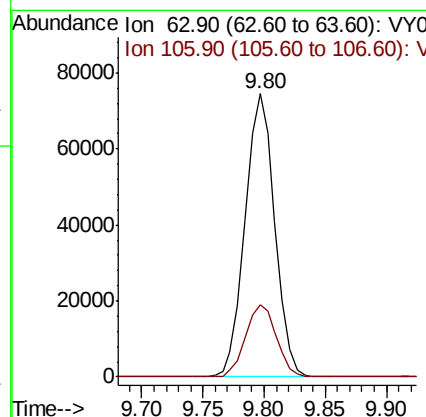
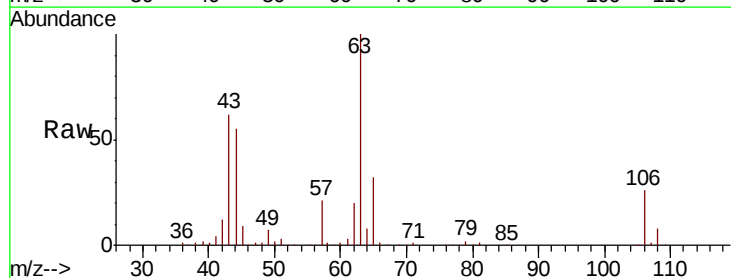
Instrument :
 MSVOA_Y
 ClientSampleId :

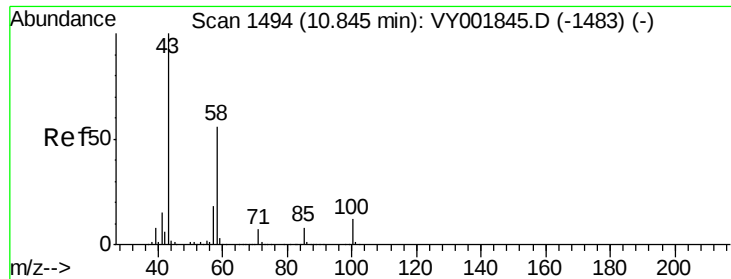
Tot Ion: 76 Resp: 59140
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 149.834 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 63 Resp: 124961
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.3 31.9

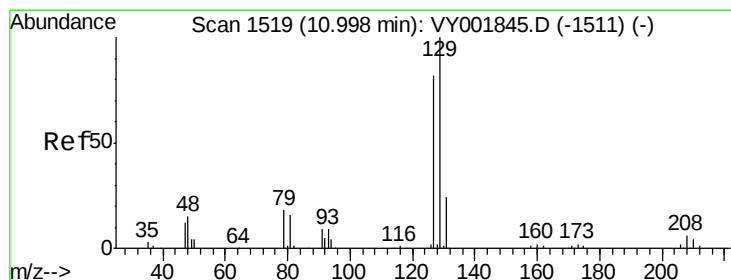
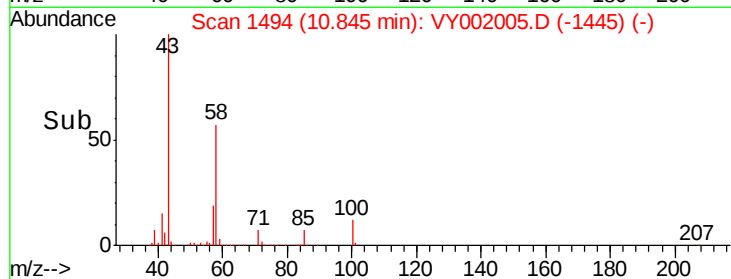
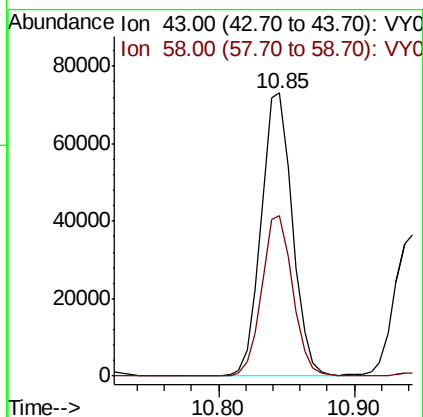
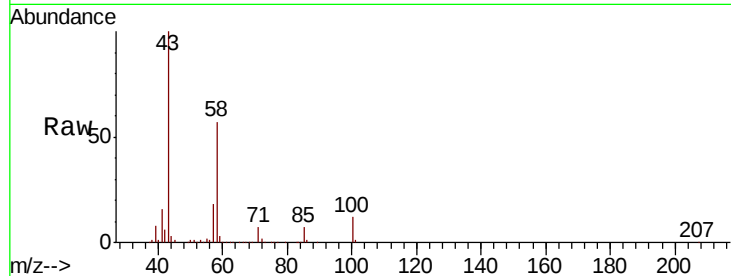




#59
2-Hexanone
Concen: 109.625 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

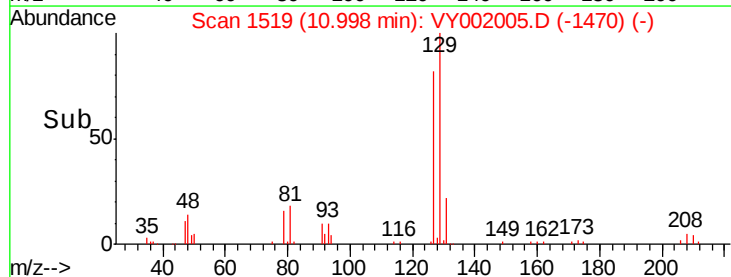
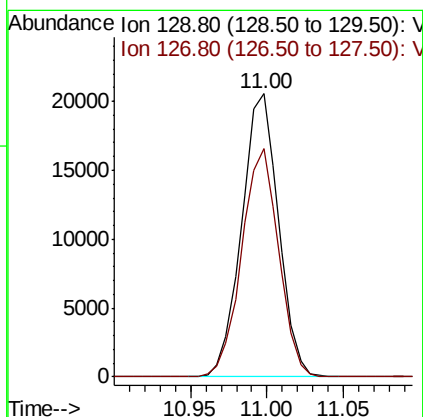
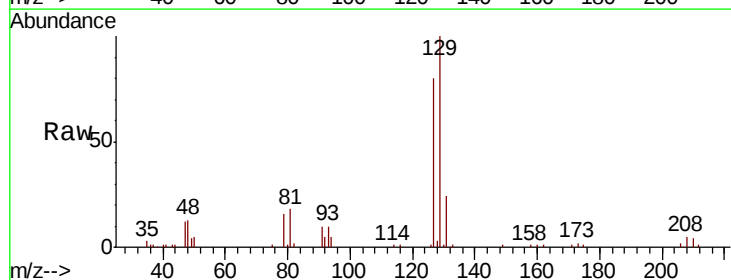
Instrument :
MSVOA_Y
ClientSampleId :

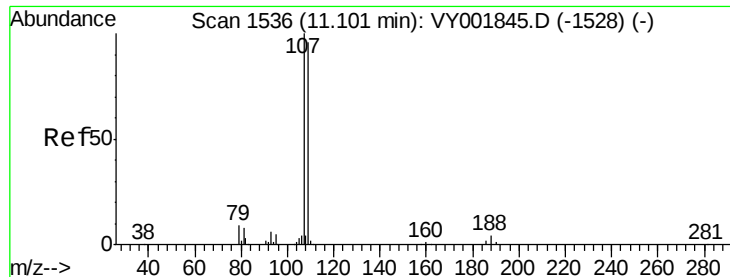
Tot Ion: 43 Resp: 118285
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3



#60
Dibromochloromethane
Concen: 21.793 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 129 Resp: 34419
Ion Ratio Lower Upper
129 100
127 80.7 39.0 117.0

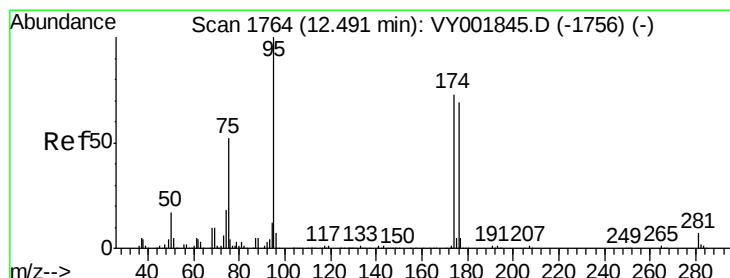
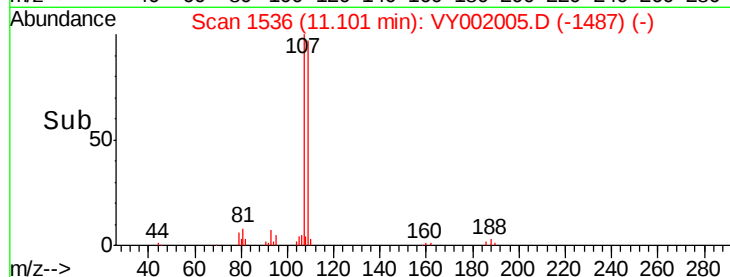
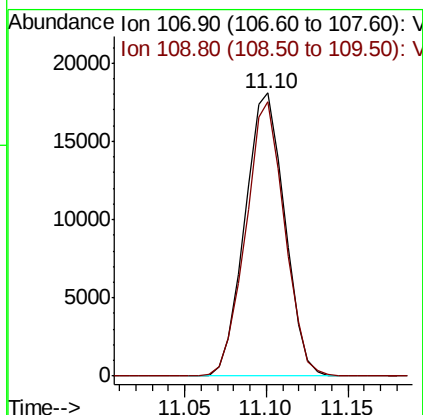
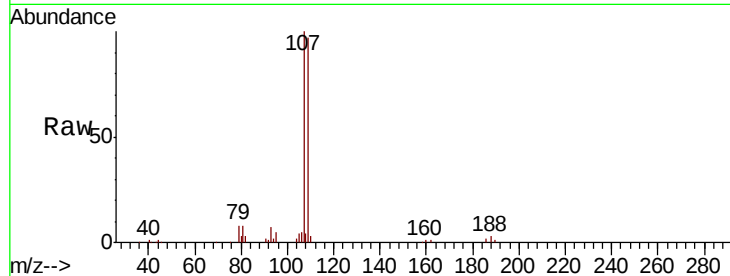




#61
 1,2-Dibromoethane
 Concen: 21.662 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

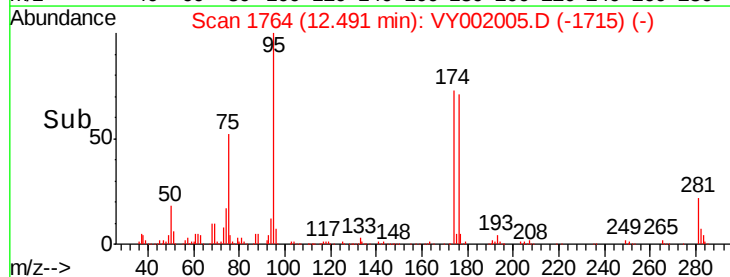
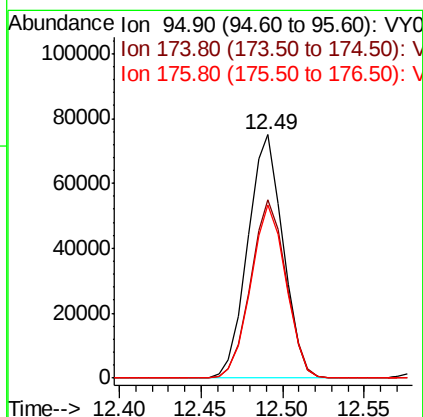
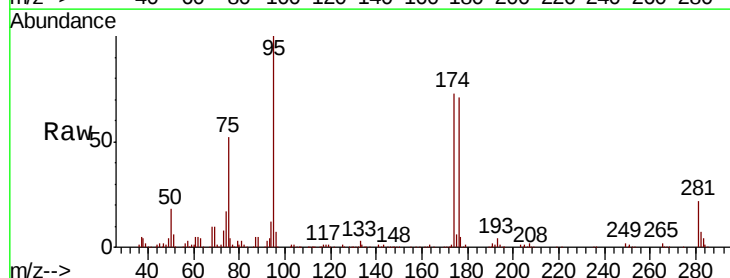
Instrument :
 MSVOA_Y
 ClientSampleId :

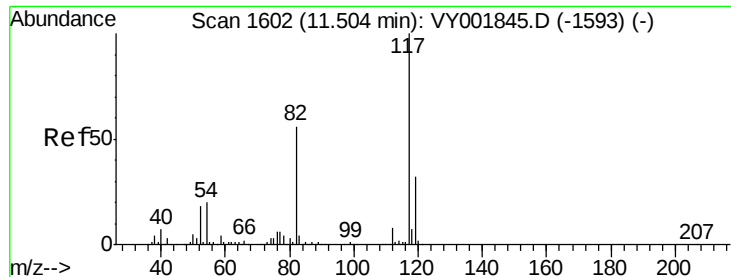
Tot Ion: 107 Resp: 30755
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.051 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 95 Resp: 113290
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 145.0
 176 71.0 0.0 137.4

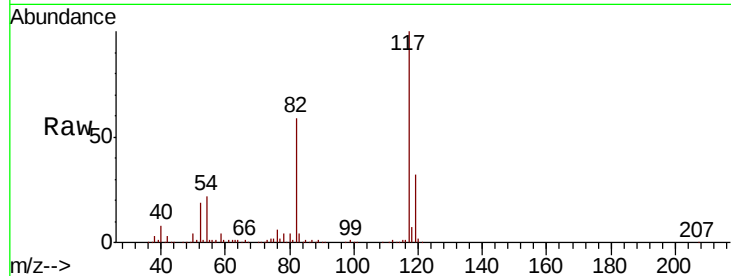




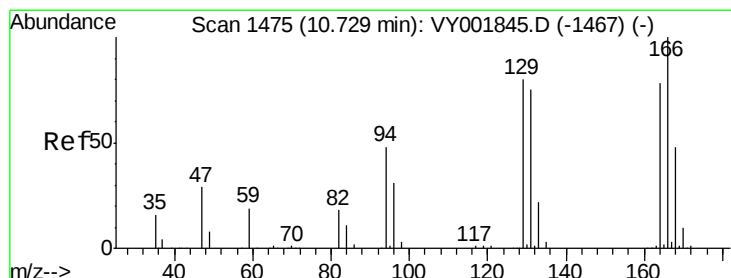
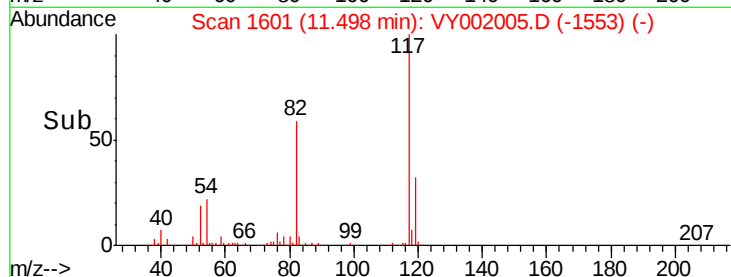
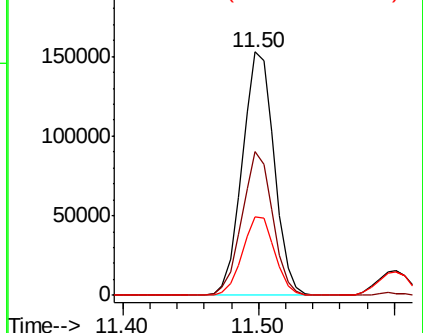
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 250051
Ion Ratio Lower Upper
117 100
82 58.8 44.5 66.7
119 32.0 25.7 38.5

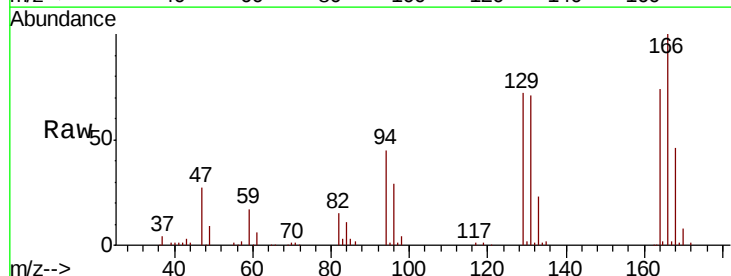


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

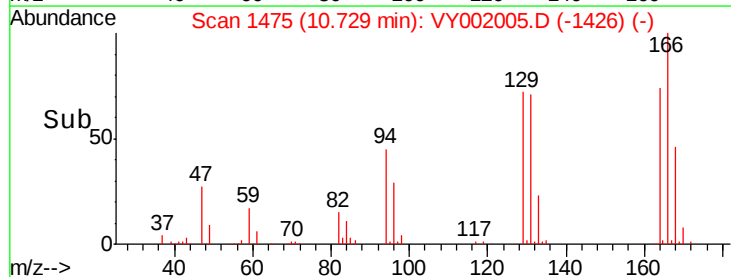
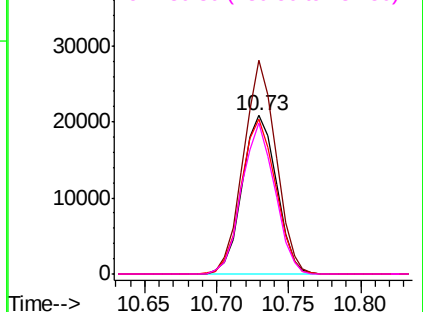


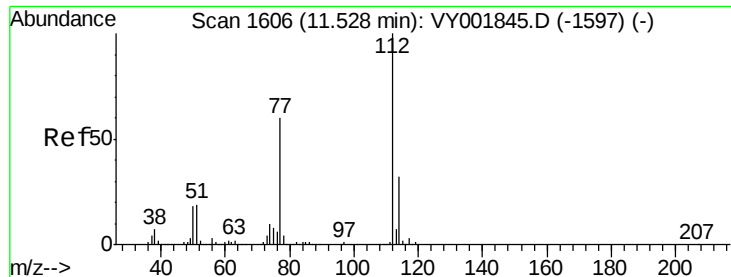
#64
Tetrachloroethene
Concen: 21.875 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion:164 Resp: 34302
Ion Ratio Lower Upper
164 100
166 134.8 102.6 154.0
129 97.4 82.3 123.5
131 95.2 77.4 116.0



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

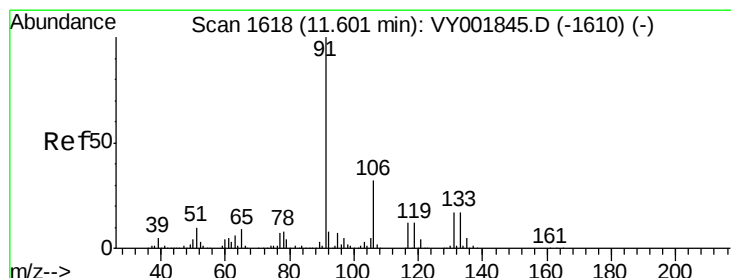
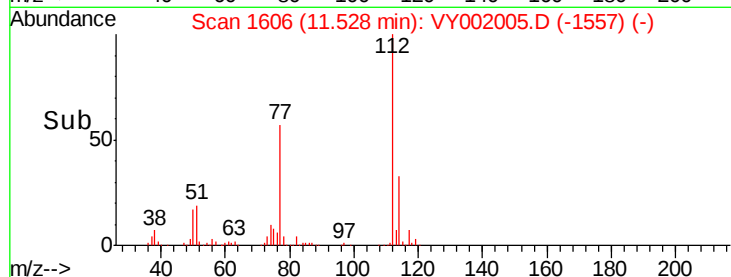
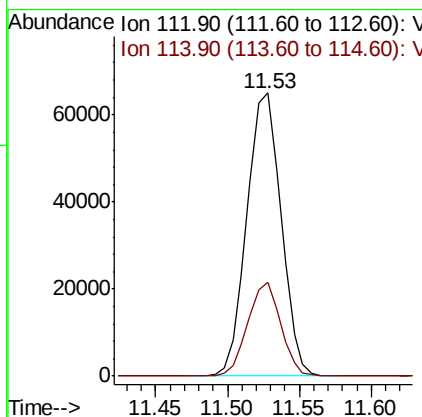
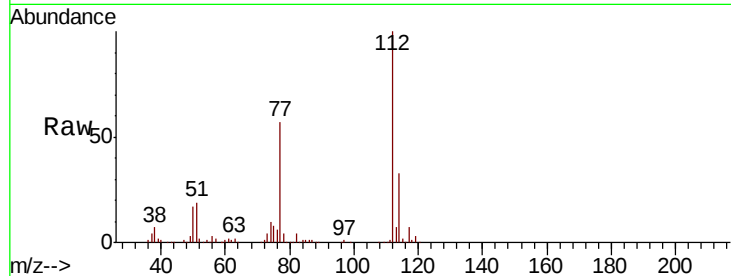




#65
Chlorobenzene
Concen: 21.474 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

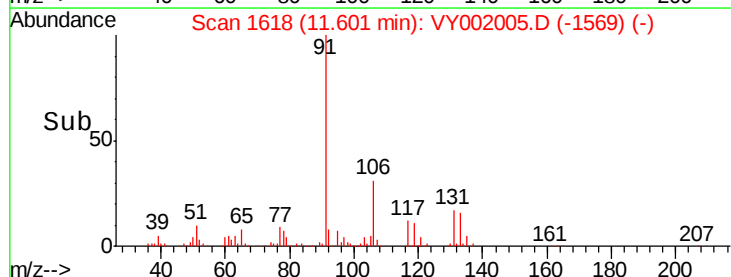
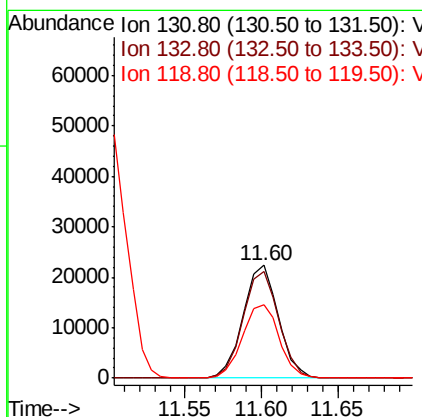
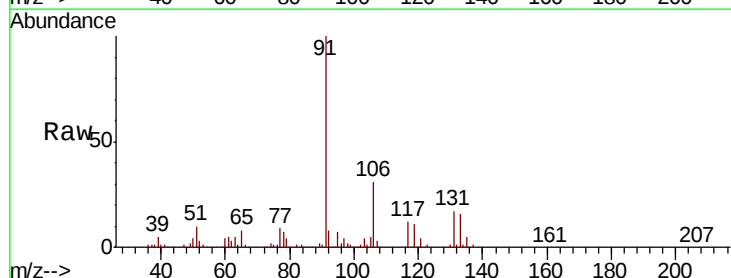
Instrument :
MSVOA_Y
ClientSampleId :

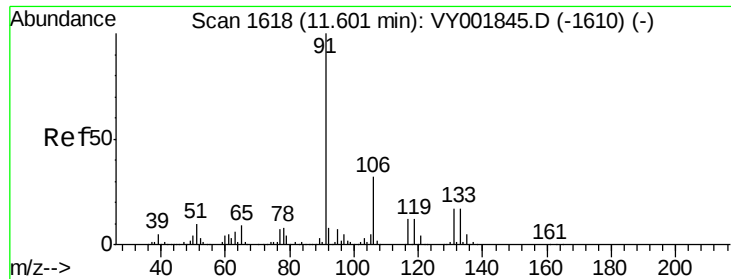
Tot Ion:112 Resp: 106993
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.993 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion:131 Resp: 35934
Ion Ratio Lower Upper
131 100
133 95.6 47.1 141.3
119 67.9 34.5 103.6

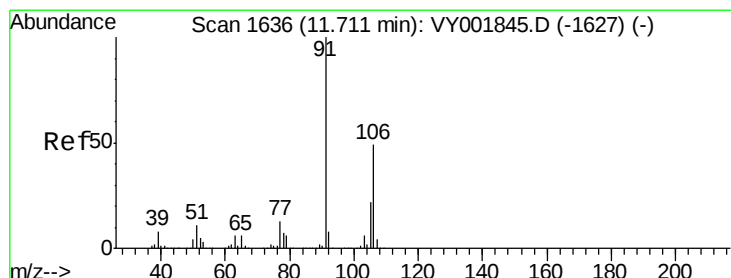
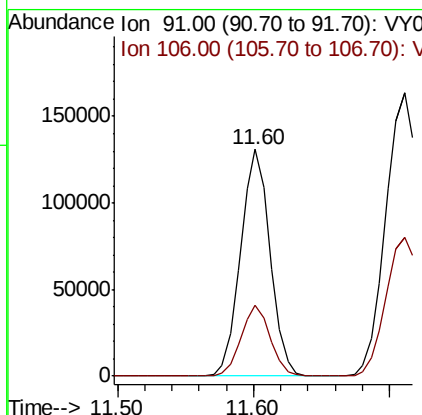
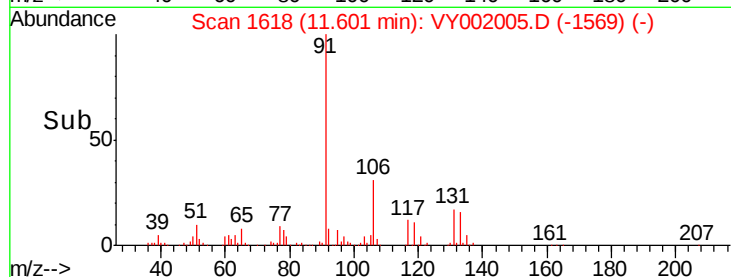
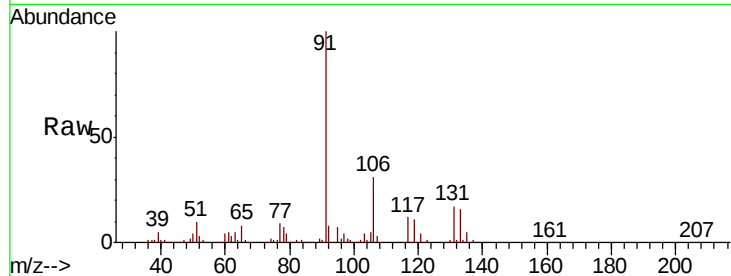




#67
Ethyl Benzene
Concen: 21.296 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

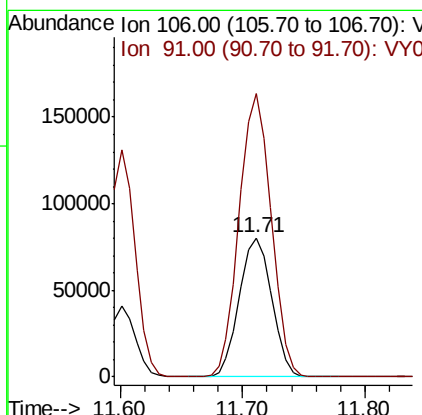
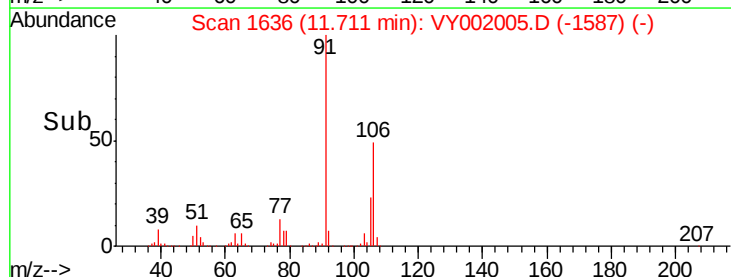
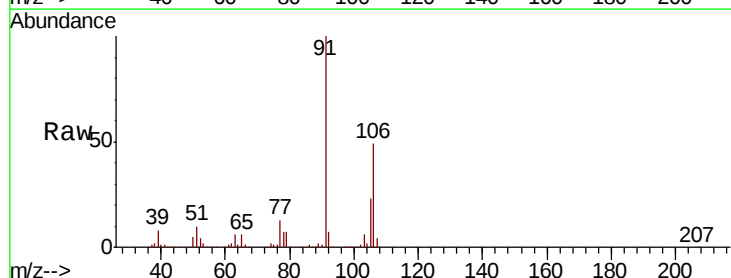
Instrument :
MSVOA_Y
ClientSampled :

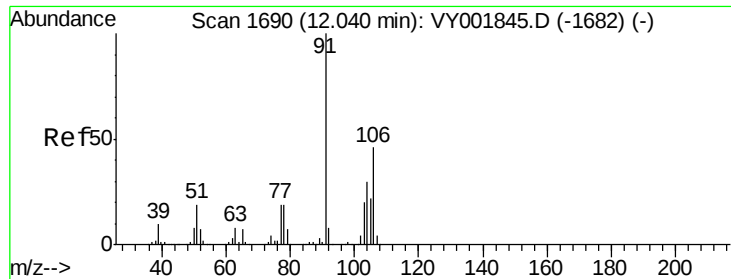
Tot Ion: 91 Resp: 197885
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 43.227 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 106 Resp: 148500
Ion Ratio Lower Upper
106 100
91 201.0 161.3 241.9

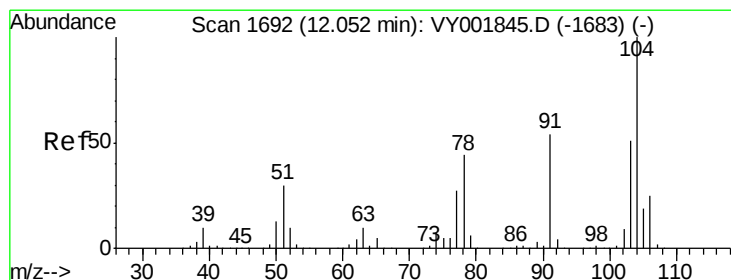
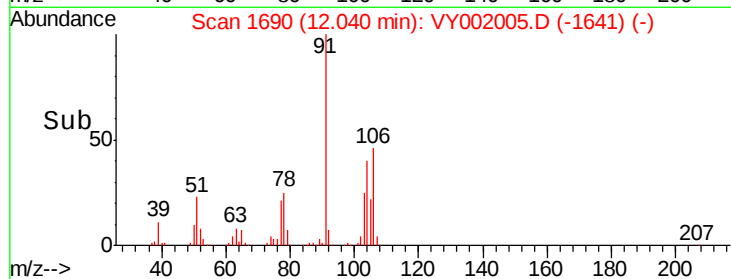
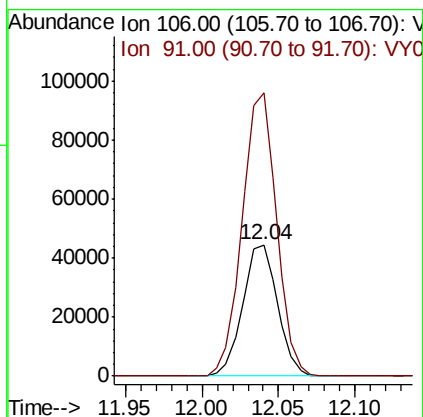
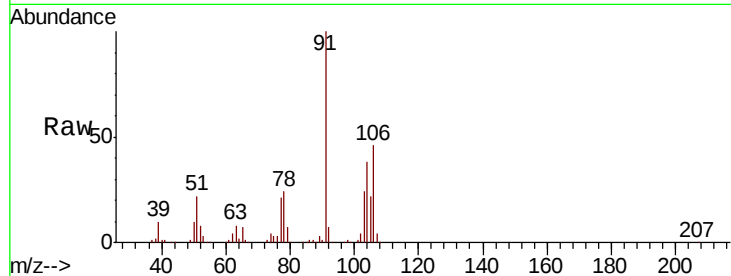




#69
o-Xylene
Concen: 21.700 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

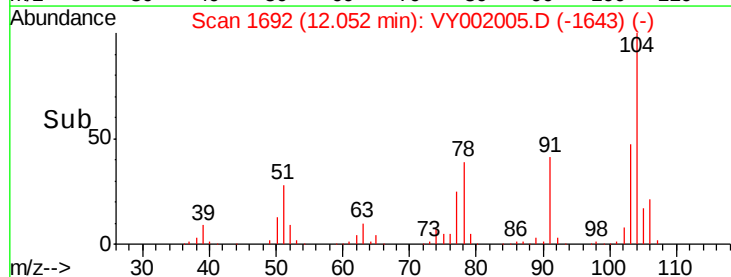
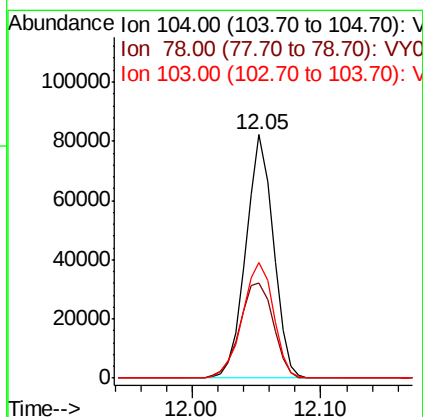
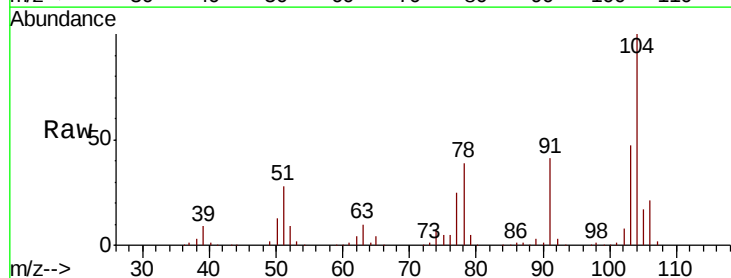
Instrument :
MSVOA_Y
ClientSampled :

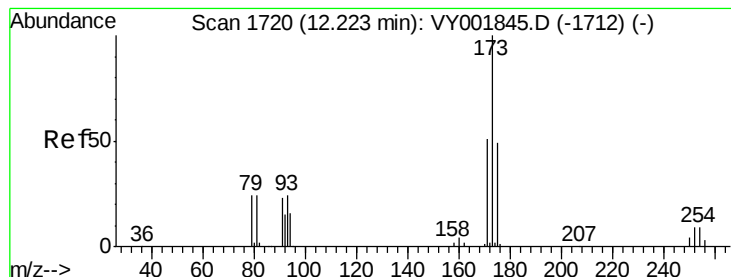
Tot Ion:106 Resp: 70263
Ion Ratio Lower Upper
106 100
91 213.3 106.8 320.4



#70
Styrene
Concen: 21.821 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion:104 Resp: 121013
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 53.7 42.9 64.3





#71

Bromoform

Concen: 22.065 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

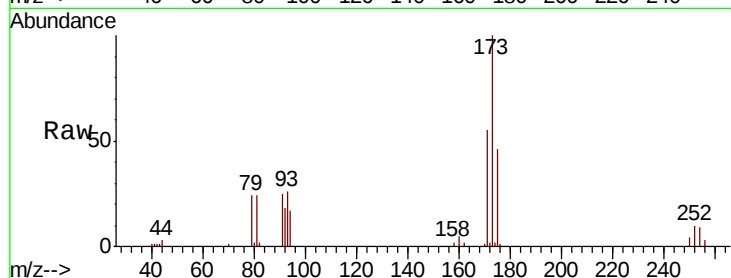
Tot Ion:173 Resp: 19551

Ion Ratio Lower Upper

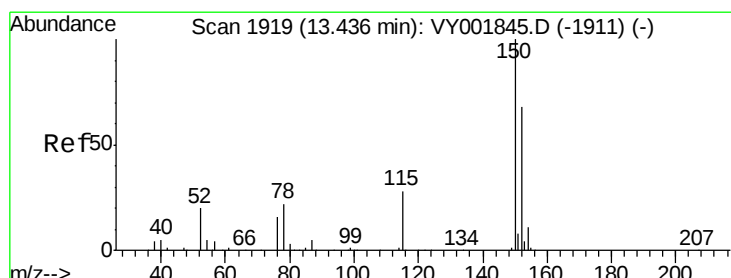
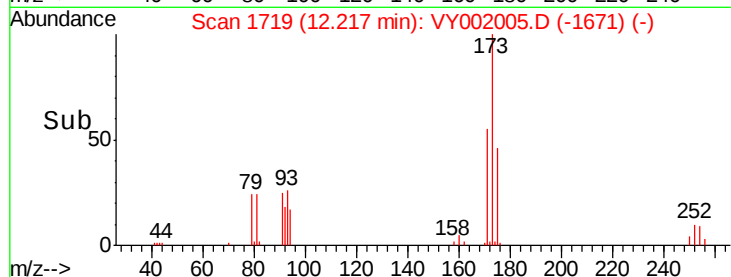
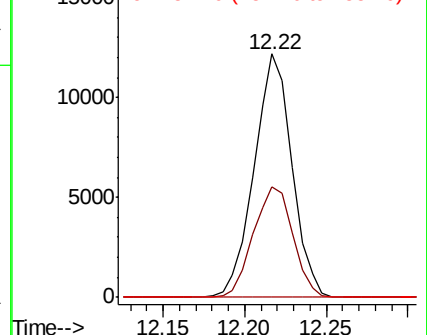
173 100

175 47.7 24.3 72.8

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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

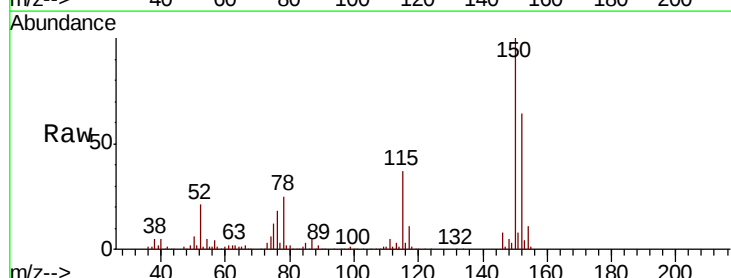
Tgt Ion:152 Resp: 119458

Ion Ratio Lower Upper

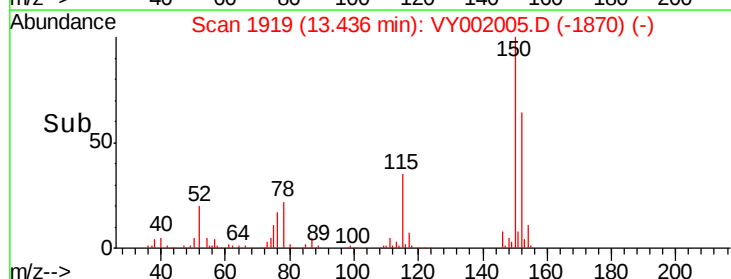
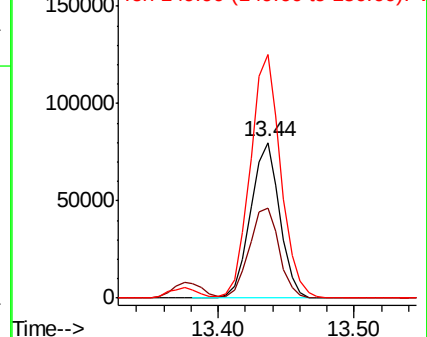
152 100

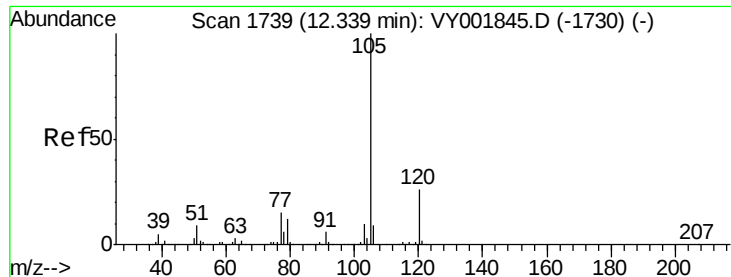
115 60.0 29.9 89.7

150 164.2 0.0 340.6



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: 20.817 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

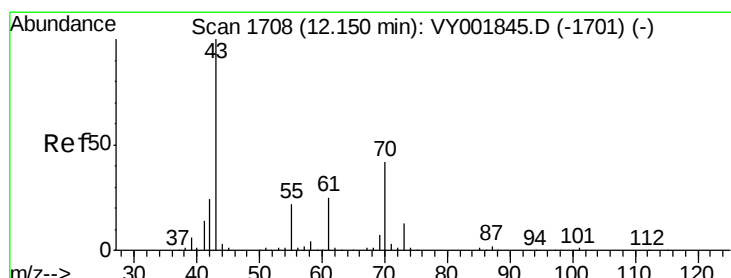
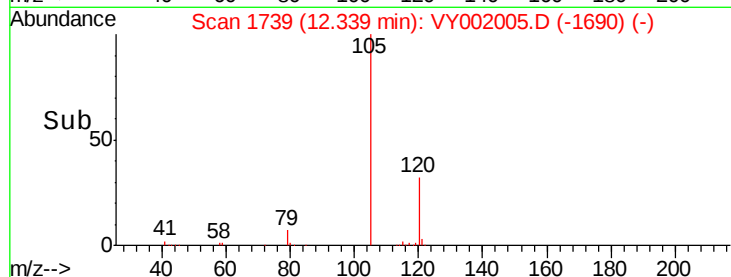
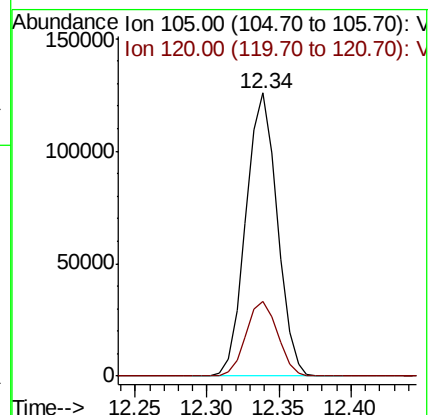
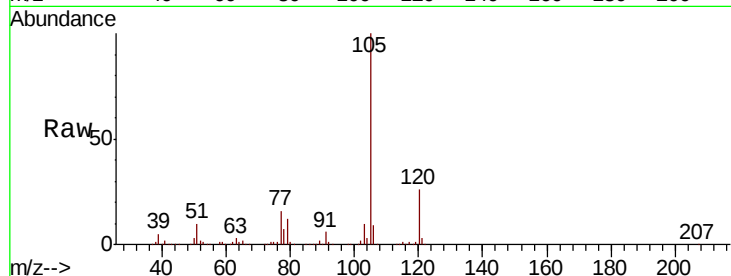
ClientSampled :

Tot Ion:105 Resp: 189835

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 20.961 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion: 43 Resp: 58746

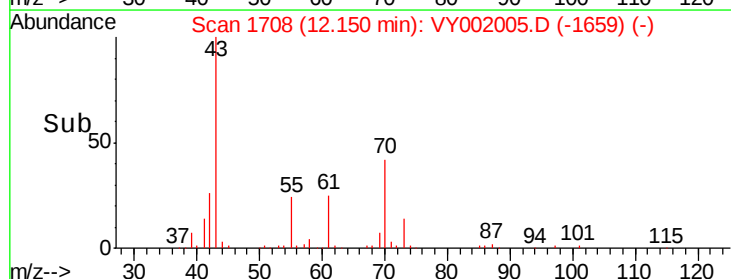
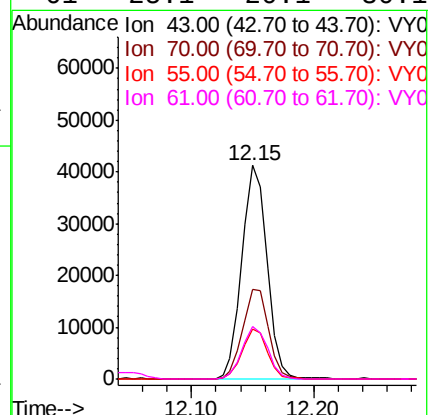
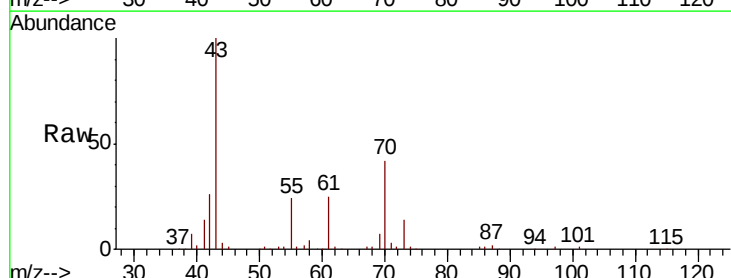
Ion Ratio Lower Upper

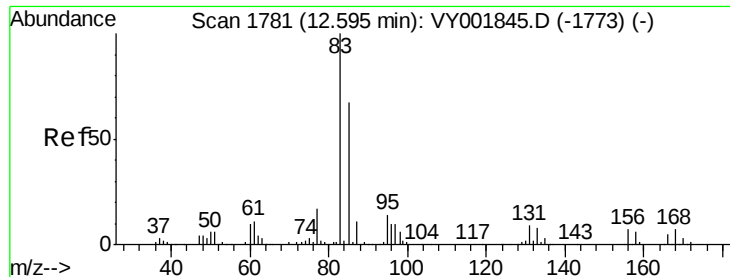
43 100

70 43.6 34.7 52.1

55 23.3 18.2 27.4

61 25.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.574 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

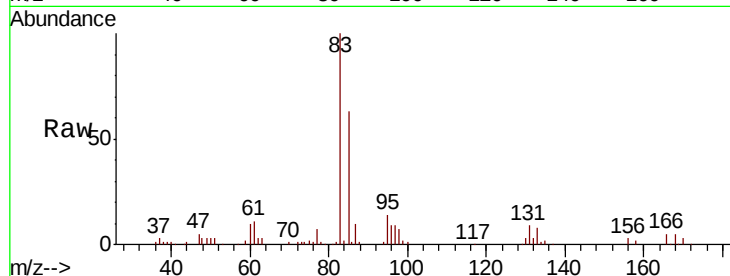
Tot Ion: 83 Resp: 42426

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

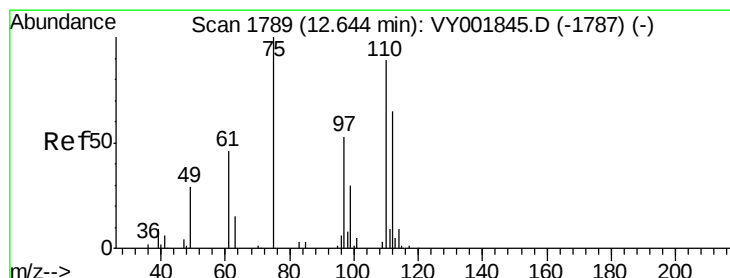
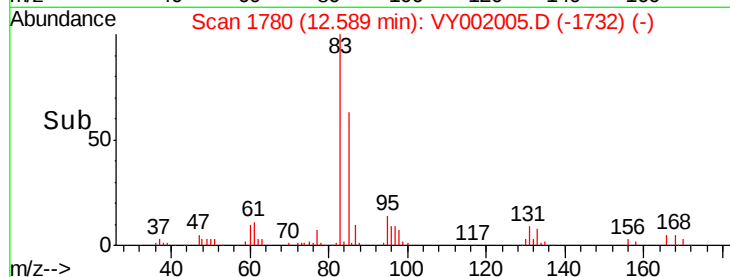
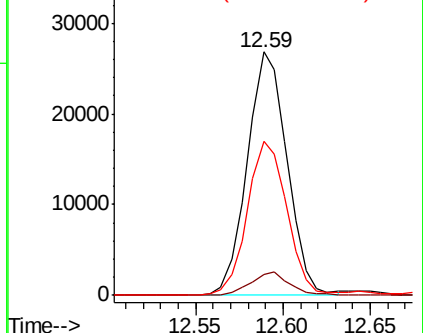
85 63.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY001845.D (-1773) (-)

Ion 130.80 (130.50 to 131.50): VY001845.D (-1773) (-)

Ion 84.90 (84.60 to 85.60): VY001845.D (-1773) (-)



#76

1,2,3-Trichloropropane

Concen: 38.372 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002005.D

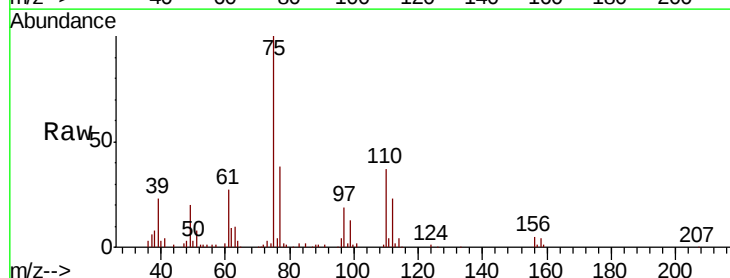
Acq: 18 Mar 2020 11:47

Tgt Ion: 75 Resp: 54390

Ion Ratio Lower Upper

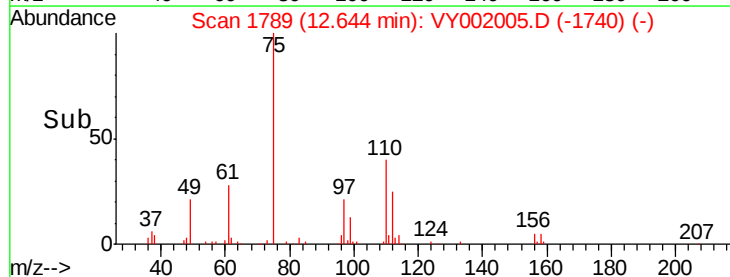
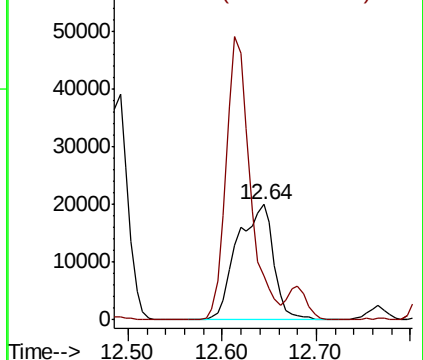
75 100

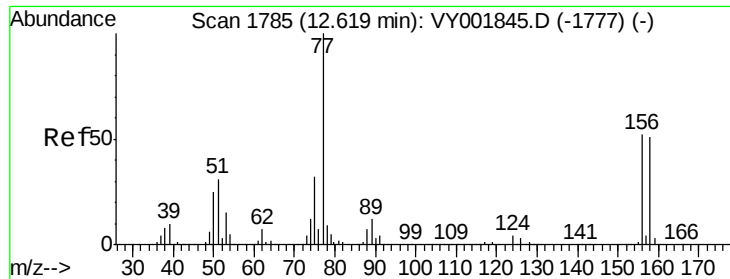
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001845.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001845.D (-1787) (-)





#77

Bromobenzene

Concen: 20.982 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

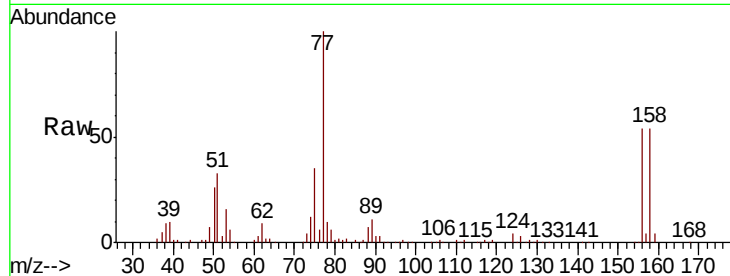
Tot Ion:156 Resp: 40538

Ion Ratio Lower Upper

156 100

77 216.3 109.0 327.0

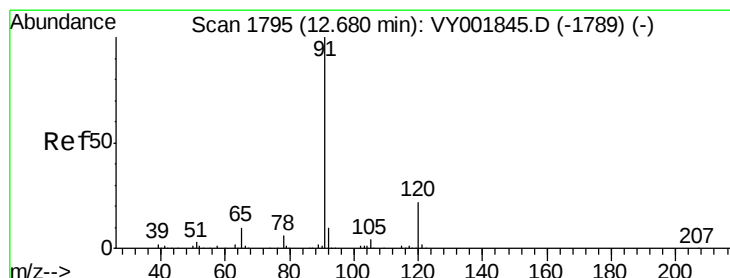
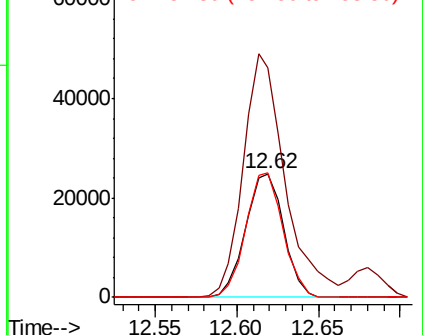
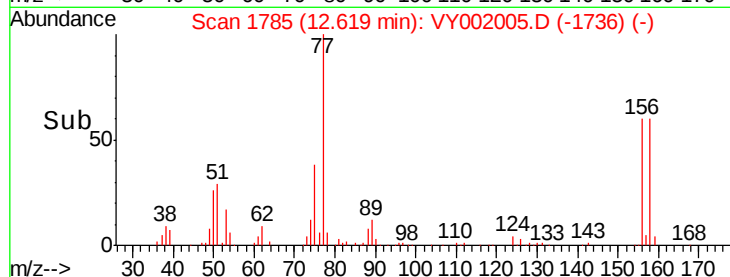
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.929 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002005.D

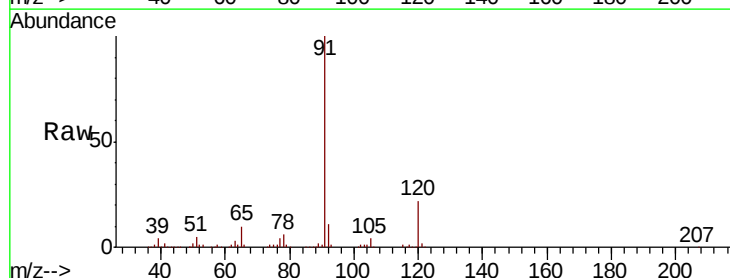
Acq: 18 Mar 2020 11:47

Tgt Ion: 91 Resp: 235462

Ion Ratio Lower Upper

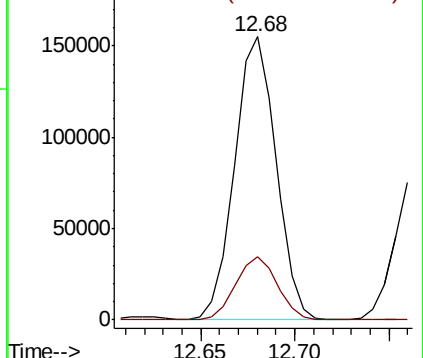
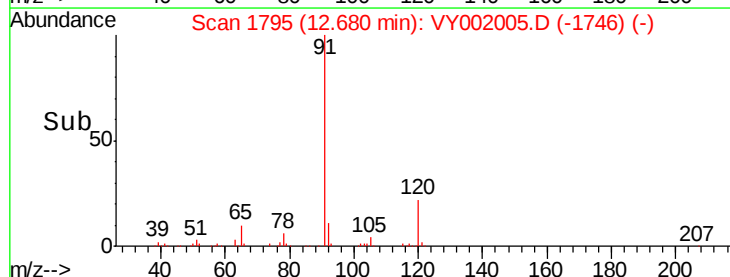
91 100

120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.781 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

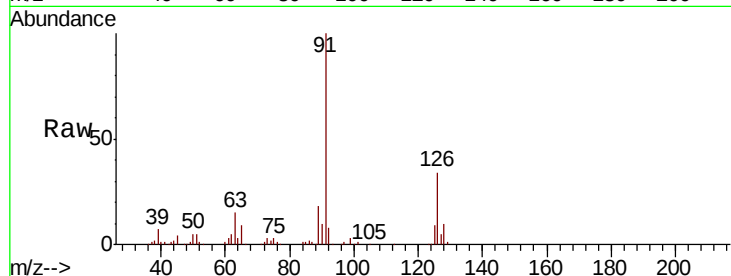
ClientSampled :

Tot Ion: 91 Resp: 129169

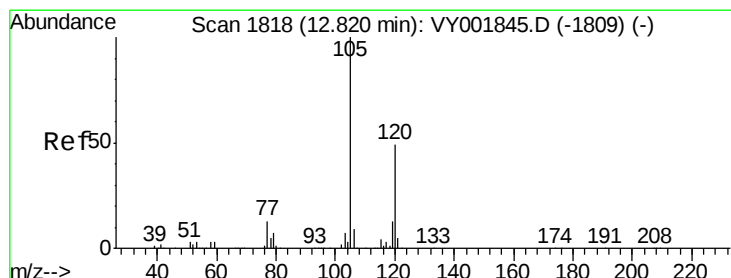
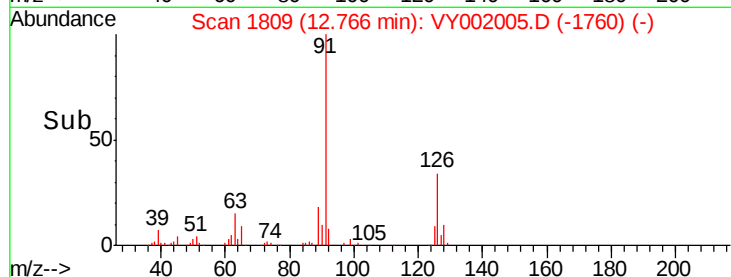
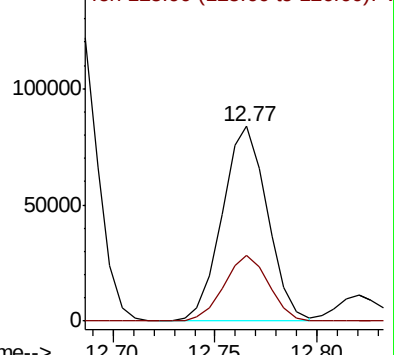
Ion Ratio Lower Upper

91 100

126 33.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.896 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002005.D

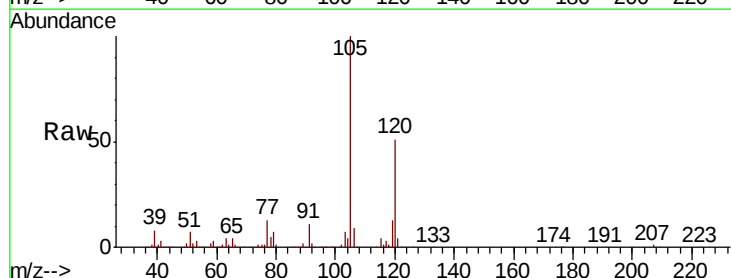
Acq: 18 Mar 2020 11:47

Tgt Ion: 105 Resp: 156871

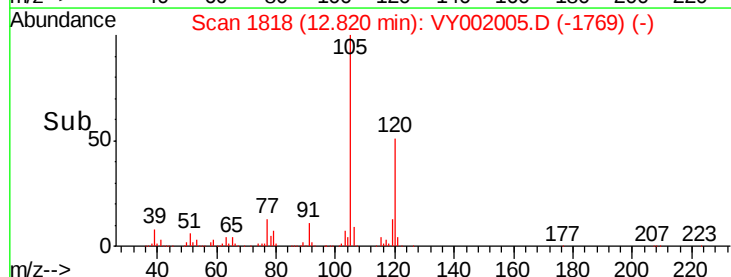
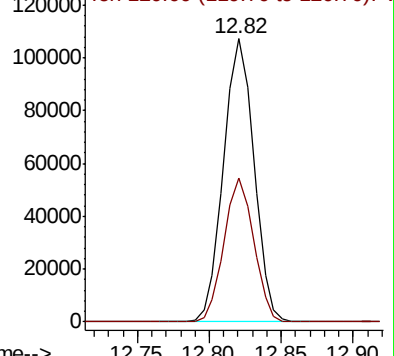
Ion Ratio Lower Upper

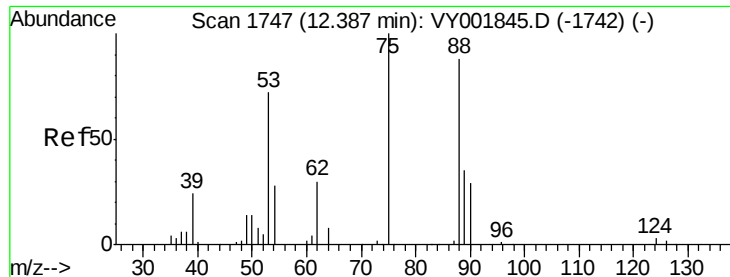
105 100

120 49.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.767 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

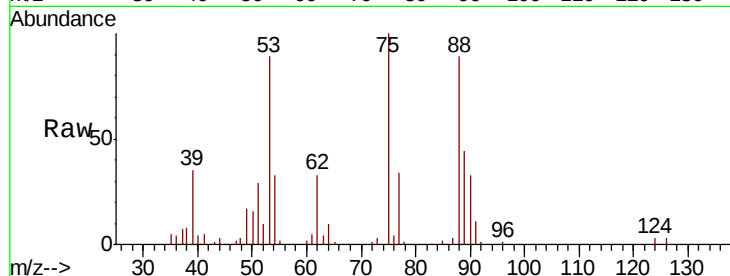
Tot Ion: 75 Resp: 14573

Ion Ratio Lower Upper

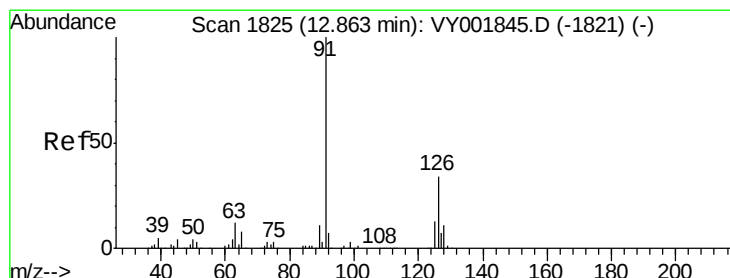
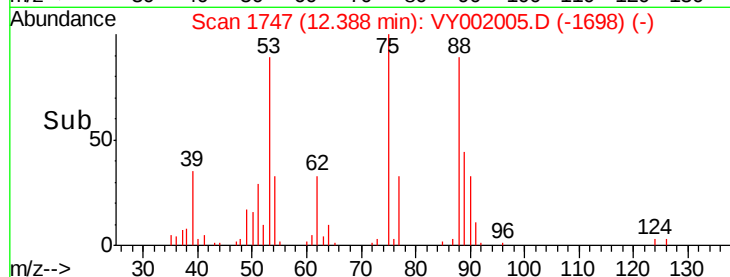
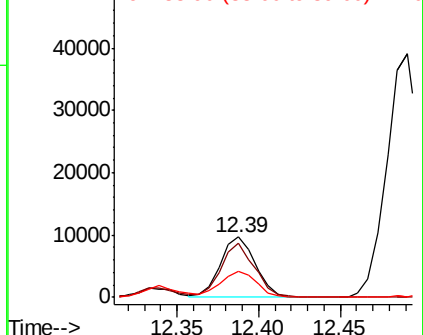
75 100

53 85.4 65.4 98.0

89 43.7 36.0 54.0



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



#82

4-Chlorotoluene

Concen: 21.048 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002005.D

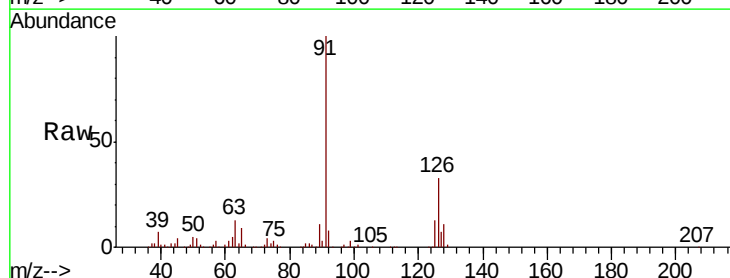
Acq: 18 Mar 2020 11:47

Tgt Ion: 91 Resp: 136214

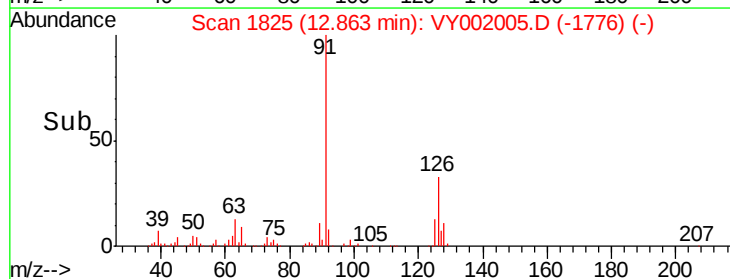
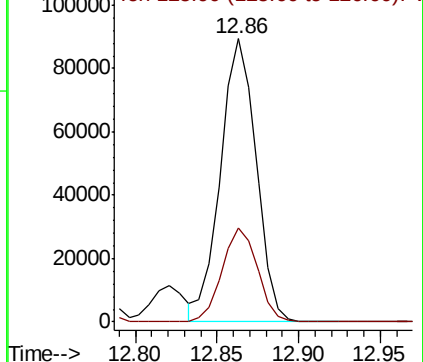
Ion Ratio Lower Upper

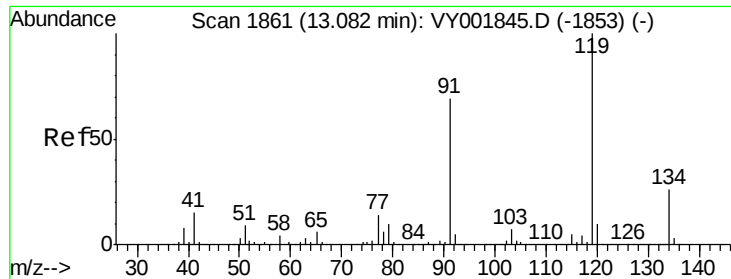
91 100

126 33.0 16.4 49.2



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

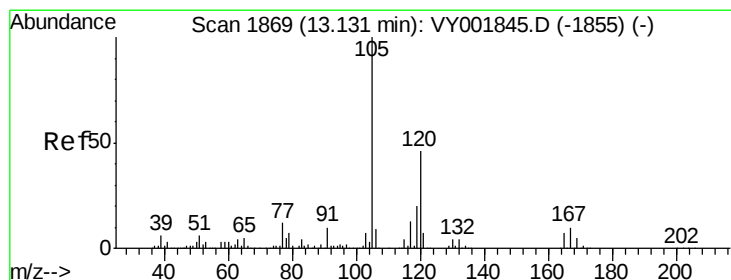
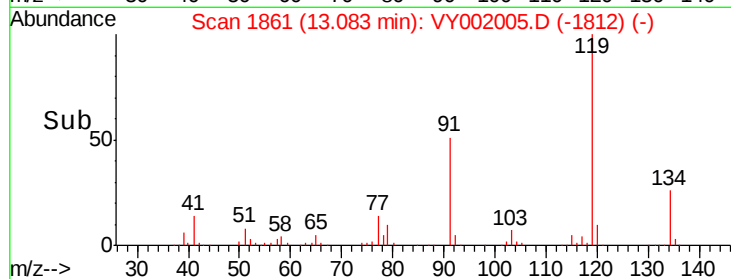
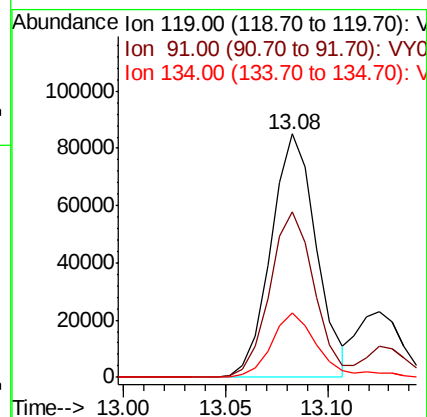
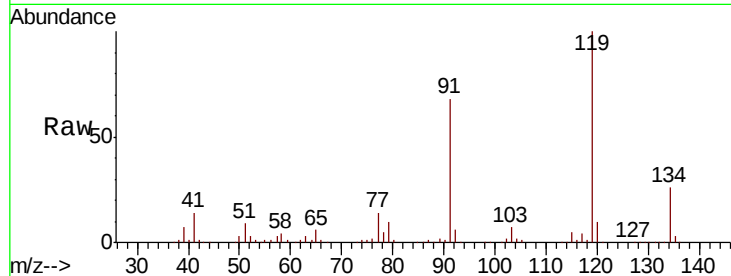




#83
tert-Butylbenzene
Concen: 21.163 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

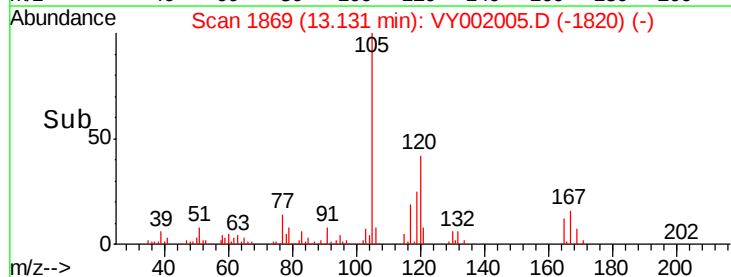
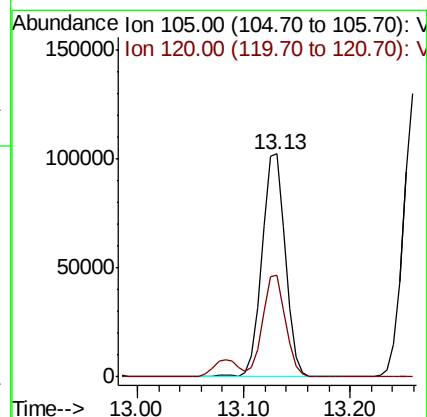
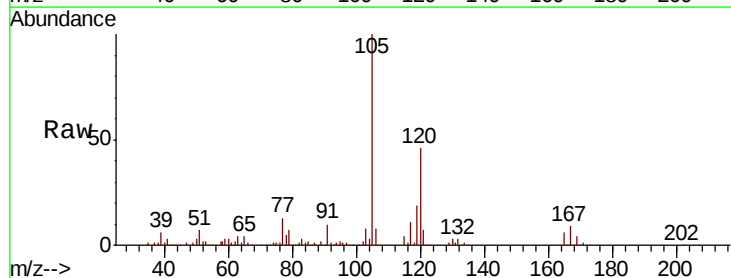
Instrument :
MSVOA_Y
ClientSampled :

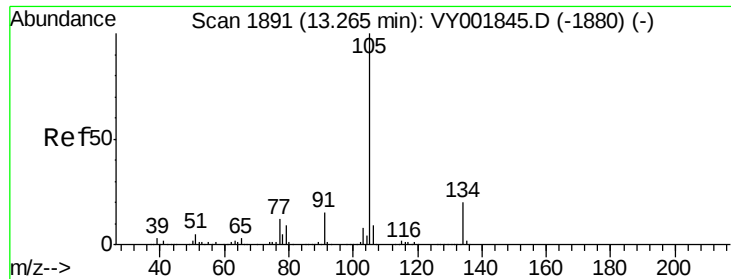
Tot Ion:119 Resp: 131961
Ion Ratio Lower Upper
119 100
91 67.6 34.0 101.8
134 27.1 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.280 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion:105 Resp: 158539
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.602 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

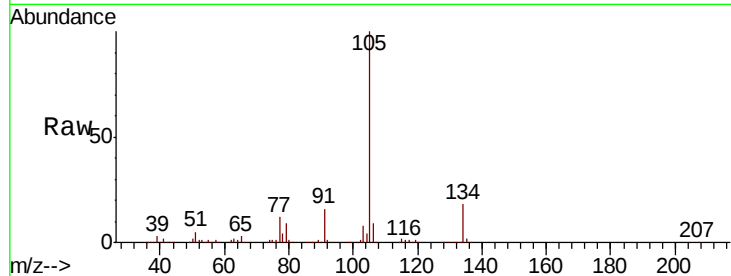
ClientSampleId :

Tot Ion:105 Resp: 198536

Ion Ratio Lower Upper

105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

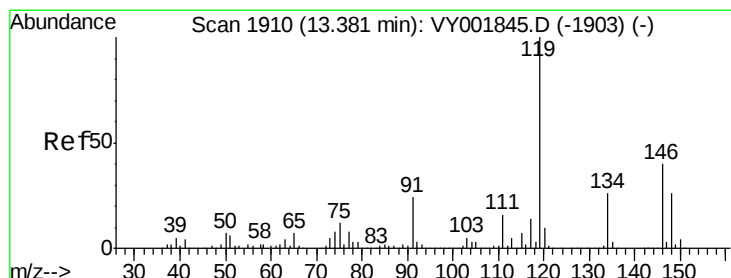
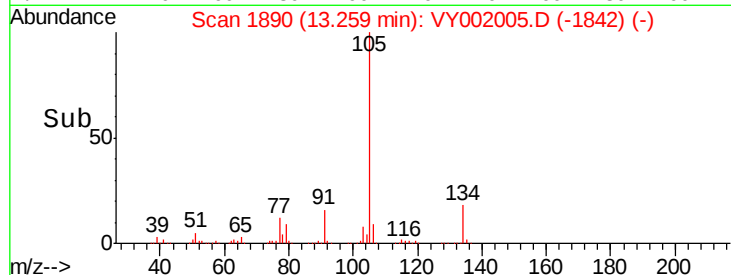
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.577 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

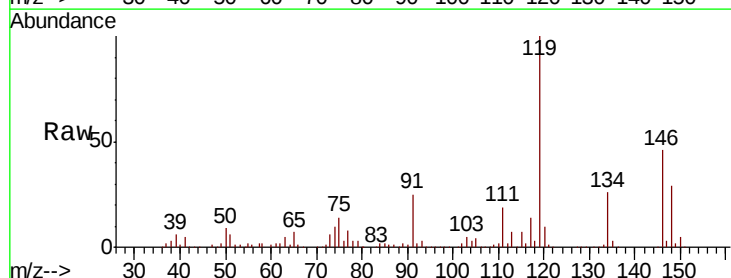
Tgt Ion:119 Resp: 171068

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.0 11.9 35.7



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

13.38

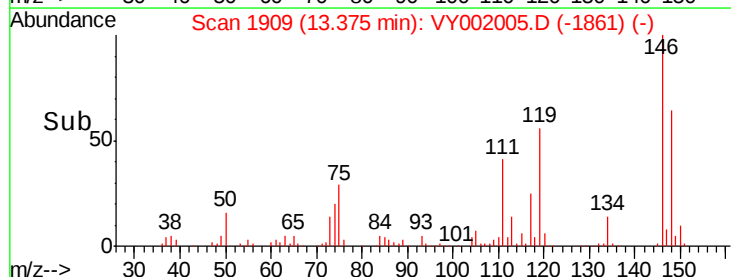
150000

100000

50000

0

Time-->

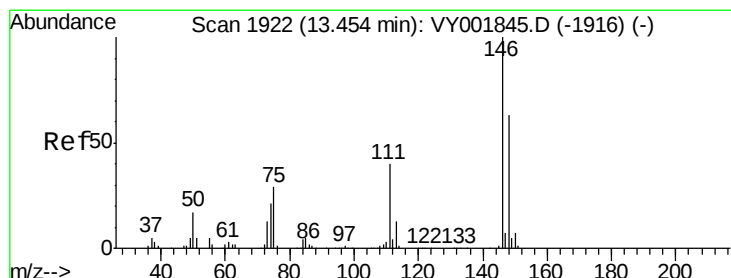
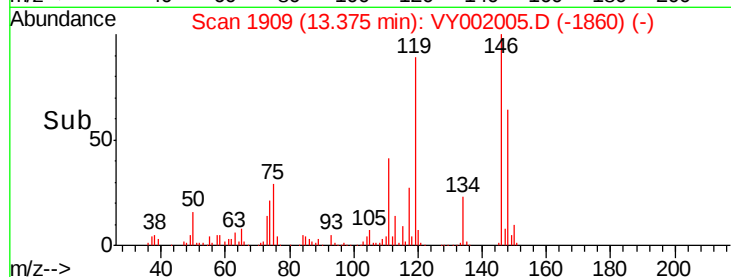
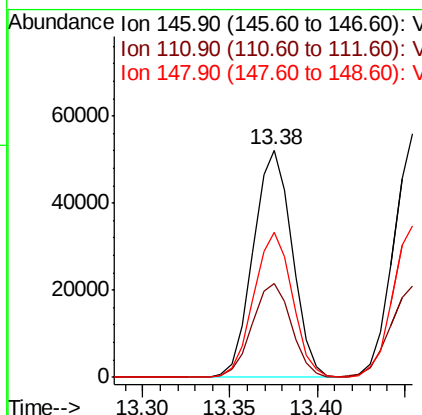
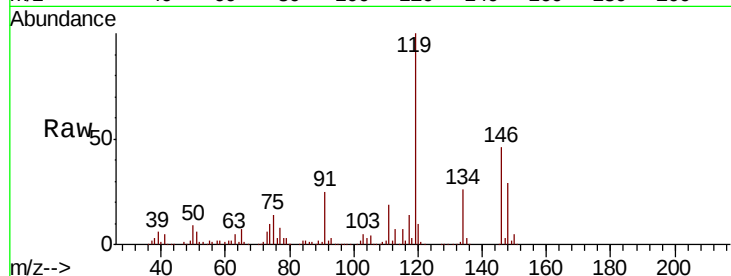




#87
 1,3-Dichlorobenzene
 Concen: 21.358 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

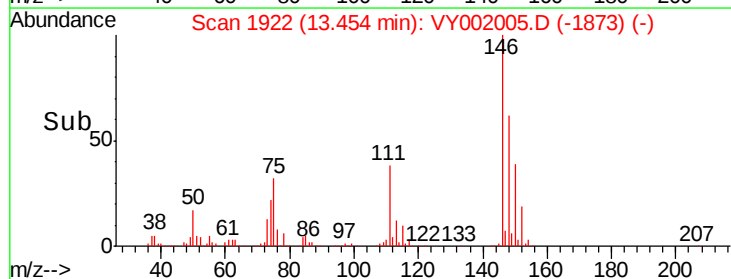
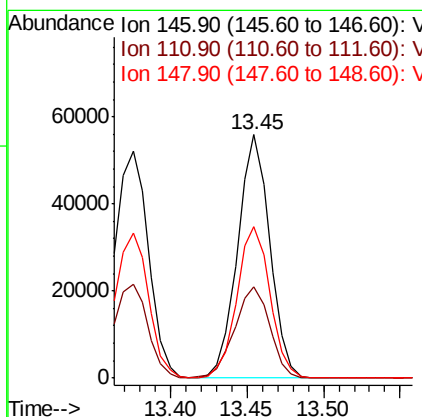
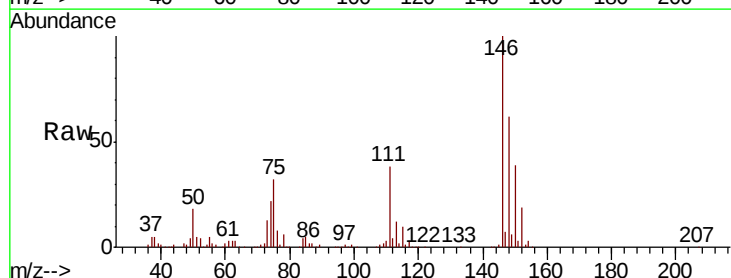
Instrument :
 MSVOA_Y
 ClientSampleId :

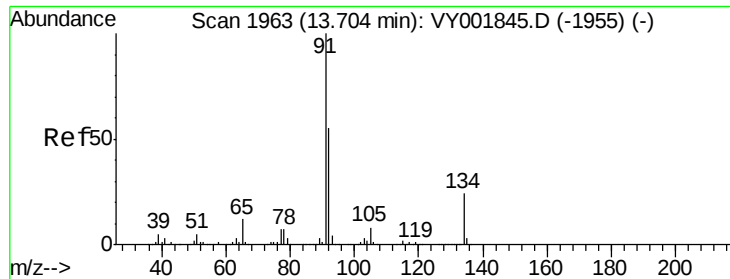
Tot Ion:146 Resp: 80861
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.5
 148 63.1 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.288 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion:146 Resp: 81765
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 21.190 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

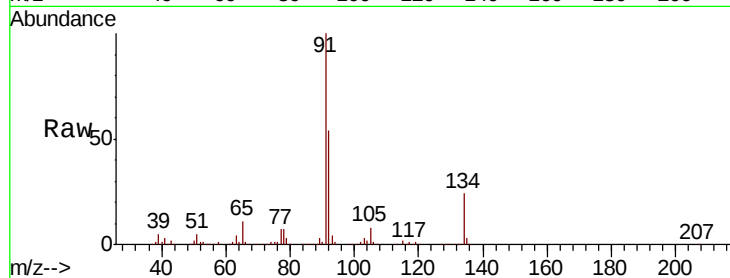
Tot Ion: 91 Resp: 174303

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

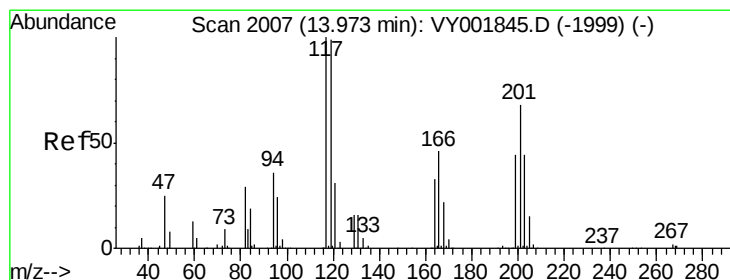
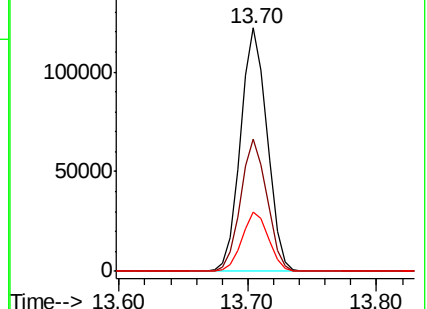
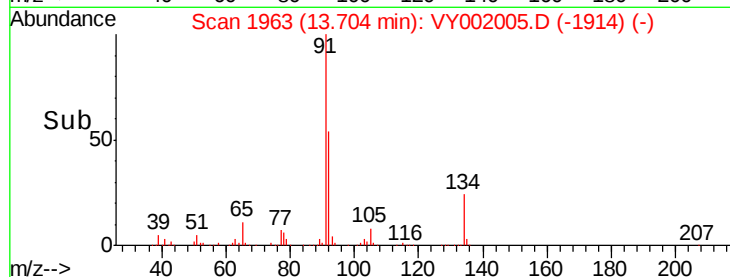
134 24.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VY001845.D (-1955) (-)

Ion 134.00 (133.70 to 134.70): VY001845.D (-1955) (-)



#90

Hexachloroethane

Concen: 21.749 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VY002005.D

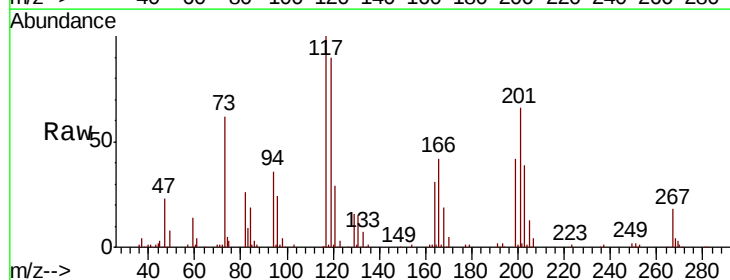
Acq: 18 Mar 2020 11:47

Tgt Ion: 117 Resp: 32530

Ion Ratio Lower Upper

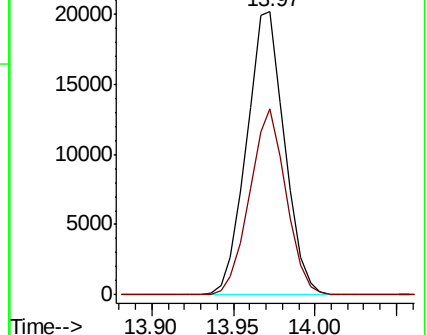
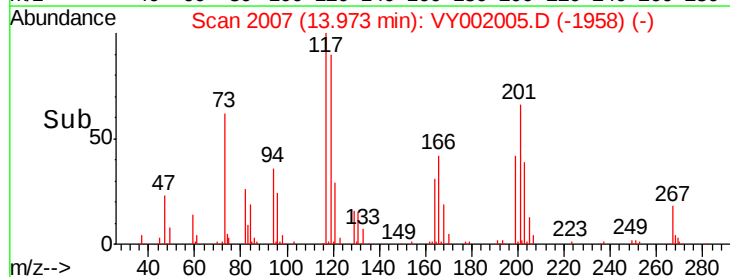
117 100

201 62.8 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VY001845.D (-1999) (-)

Ion 200.70 (200.40 to 201.40): VY001845.D (-1999) (-)

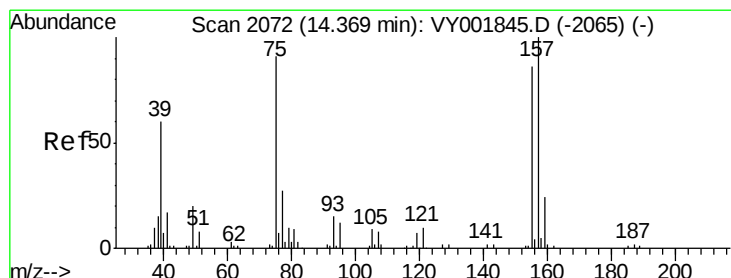
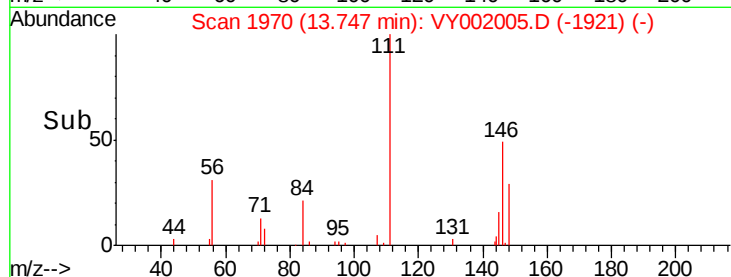
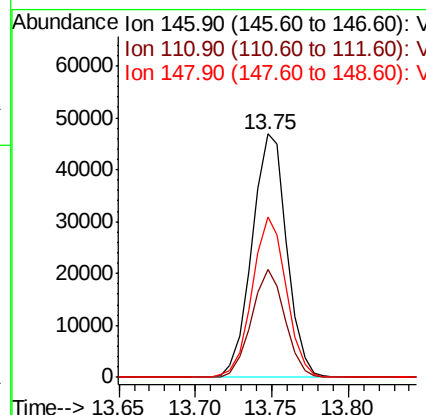
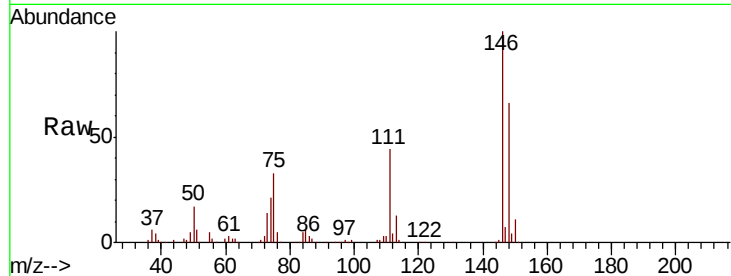




#91
 1,2-Dichlorobenzene
 Concen: 21.478 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

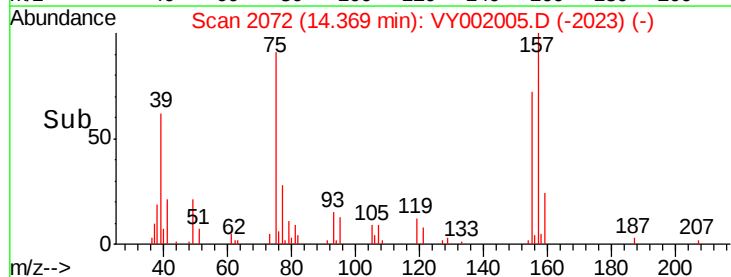
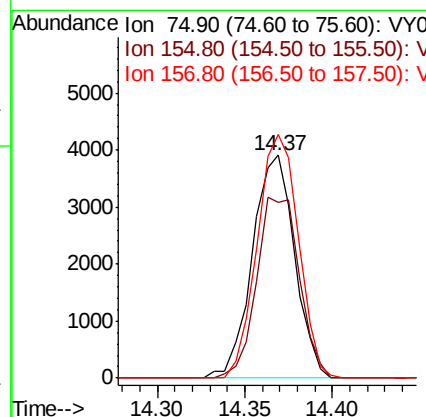
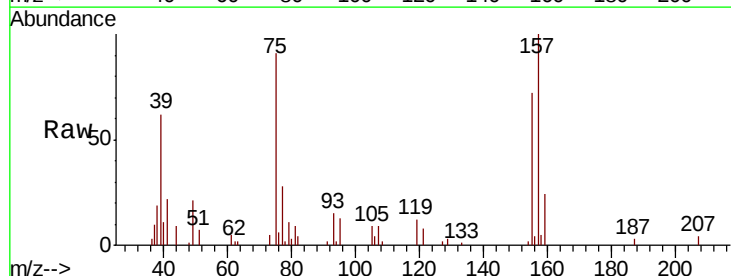
Instrument :
 MSVOA_Y
 ClientSampleId :

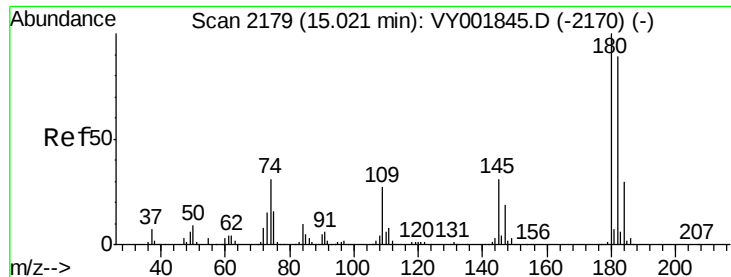
Tot Ion:146 Resp: 73875
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.5 64.5
 148 64.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.371 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion: 75 Resp: 6558
 Ion Ratio Lower Upper
 75 100
 155 82.0 42.9 128.7
 157 106.5 53.1 159.4

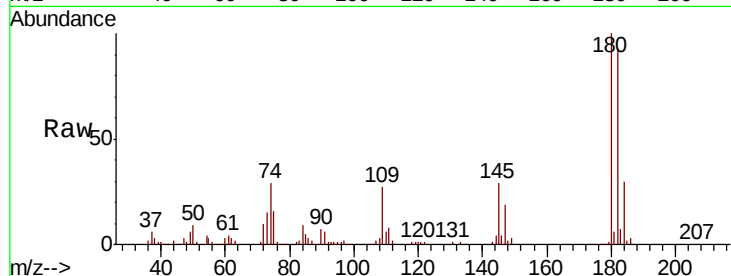




#93
1,2,4-Trichlorobenzene
Concen: 21.835 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.1	138.3
145	31.4	15.6	46.8

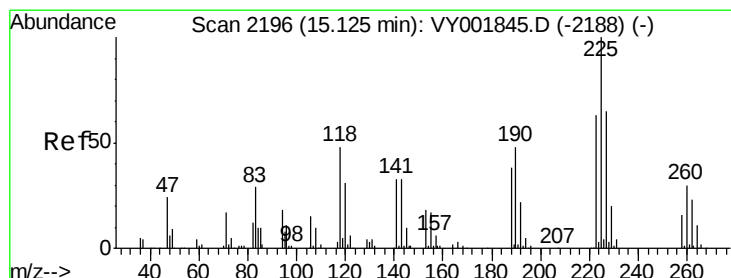
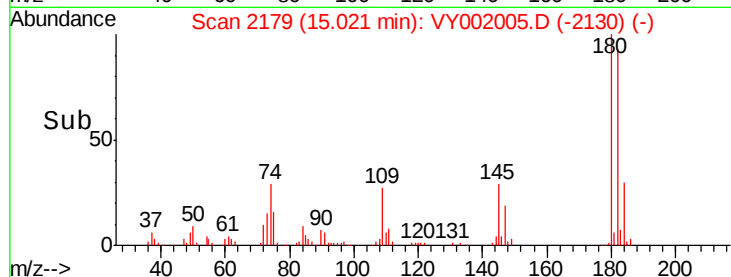
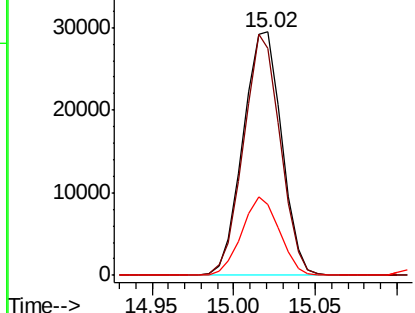


Abundance

Ion 179.80 (179.50 to 180.50): V

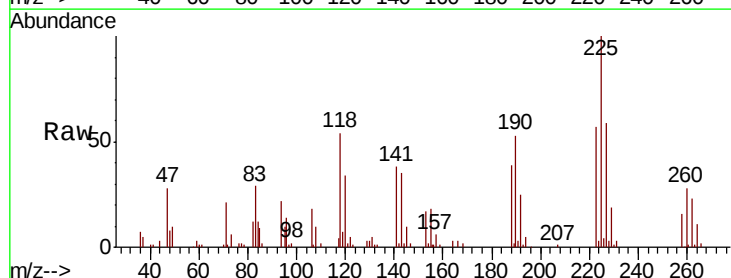
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 21.473 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	62.2	31.9	95.5

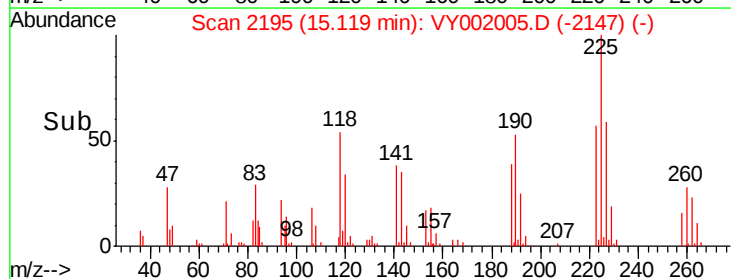
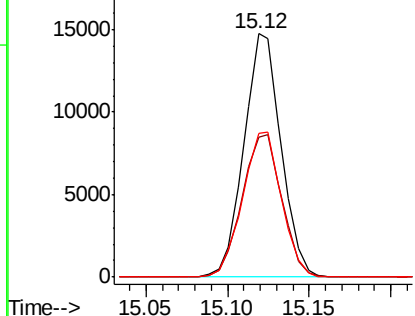


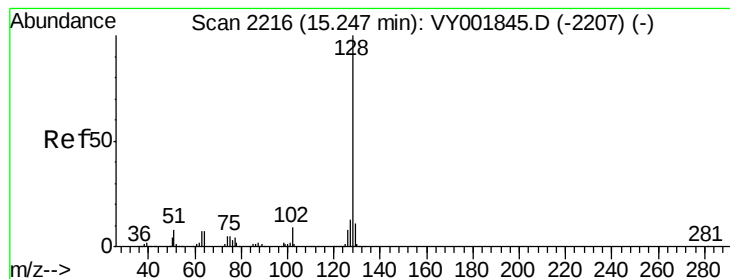
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.158 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

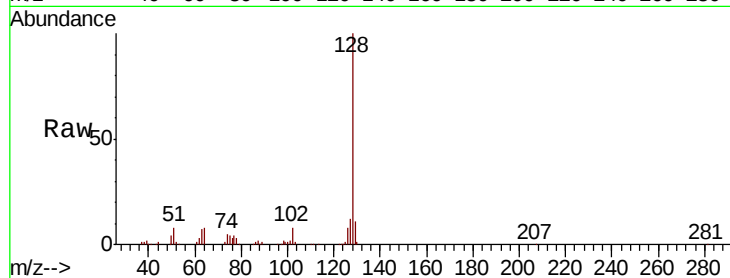
Tot Ion:128 Resp: 111947

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

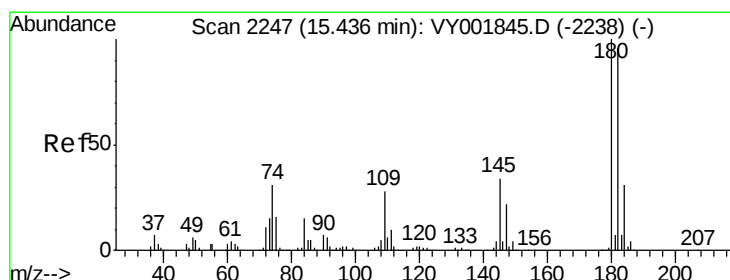
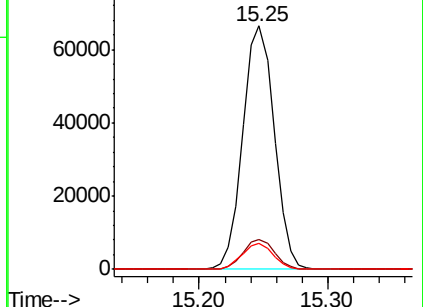
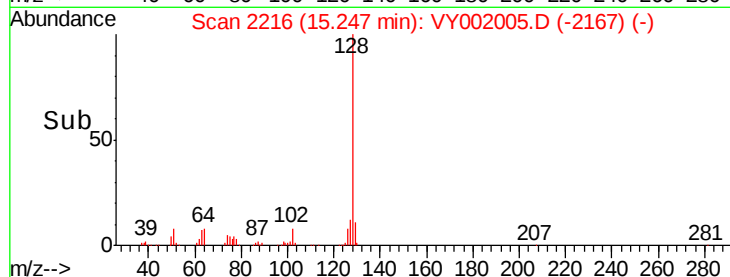
129 10.7 8.6 13.0



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: 21.744 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

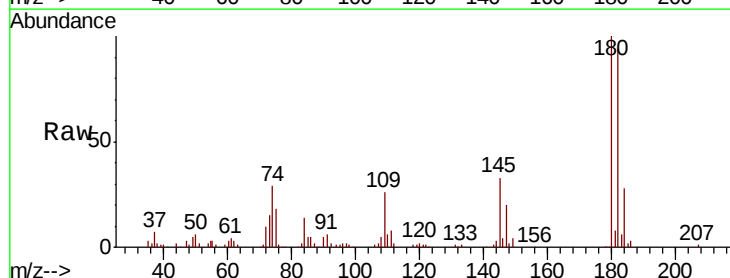
Tgt Ion:180 Resp: 42727

Ion Ratio Lower Upper

180 100

182 95.1 47.6 142.9

145 34.8 16.8 50.3



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

