

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002063.D
 Acq On : 25 Mar 2020 13:53
 Operator : SY/MD
 Sample : VY0325SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:34:08 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	154891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	282889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	83345	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.75	113	77171	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.20	98	311312	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.50	95	112557	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	25323	17.711	ug/l	98
3) Chloromethane	2.13	50	35873	18.610	ug/l	97
4) Vinyl Chloride	2.27	62	37263	19.005	ug/l	97
5) Bromomethane	2.66	94	24742	17.840	ug/l	97
6) Chloroethane	2.82	64	23534	19.107	ug/l	95
7) Trichlorofluoromethane	3.15	101	52725	19.828	ug/l	96
8) Diethyl Ether	3.55	74	22015	21.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	34847	20.375	ug/l	99
10) Methyl Iodide	4.13	142	37928	19.176	ug/l	98
11) Tert butyl alcohol	4.99	59	25896	140.610	ug/l	99
12) 1,1-Dichloroethene	3.91	96	33769	19.609	ug/l	97
13) Acrolein	3.76	56	18175	78.217	ug/l	99
14) Allyl chloride	4.52	41	61652	20.194	ug/l	98
15) Acrylonitrile	5.21	53	61722	110.210	ug/l	100
16) Acetone	3.98	43	51785	107.523	ug/l	94
17) Carbon Disulfide	4.22	76	103319	17.847	ug/l	99
18) Methyl Acetate	4.51	43	27543	22.257	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	102346	21.931	ug/l	100
20) Methylene Chloride	4.75	84	41898	20.298	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	38656	19.776	ug/l	99
22) Diisopropyl ether	6.16	45	135443	21.643	ug/l	94
23) Vinyl Acetate	6.10	43	443189	108.027	ug/l	99
24) 1,1-Dichloroethane	6.06	63	70198	20.714	ug/l	99
25) 2-Butanone	7.02	43	82070	112.055	ug/l	100
26) 2,2-Dichloropropane	7.02	77	58384	20.990	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	44416	20.890	ug/l	99
28) Bromochloromethane	7.37	49	34645	22.680	ug/l	98
29) Tetrahydrofuran	7.38	42	53976	110.978	ug/l	99
30) Chloroform	7.54	83	66923	21.019	ug/l	97
31) Cyclohexane	7.82	56	71496	19.676	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	54863	20.444	ug/l	98
36) 1,1-Dichloropropene	7.95	75	54453	20.003	ug/l	99
37) Ethyl Acetate	7.11	43	36001	22.754	ug/l	99
38) Carbon Tetrachloride	7.92	117	46764	20.109	ug/l	97

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 Misc : 5.00G/5ML/MSVOA Y/SOIL
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Instrument :
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Quant Time: Mar 26 06:34:08 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)
39) Methylcyclohexane	9.21	83	71180	19.714	ug/l	96
40) Benzene	8.19	78	163027	20.205	ug/l	97
41) Methacrylonitrile	7.38	41	47741	67.048	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	44494	21.400	ug/l	97
43) Isopropyl Acetate	8.30	43	65054	21.717	ug/l	99
44) Trichloroethene	8.96	130	39191	19.944	ug/l	93
45) 1,2-Dichloropropane	9.24	63	42697	21.050	ug/l	96
46) Dibromomethane	9.33	93	22095	21.138	ug/l	98
47) Bromodichloromethane	9.52	83	51177	21.048	ug/l	99
48) Methyl methacrylate	9.31	41	30201	22.721	ug/l	97
49) 1,4-Dioxane	9.32	88	5760	402.162	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	173682	112.569	ug/l	99
52) Toluene	10.26	92	99752	20.351	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	55853	21.084	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	64893	20.578	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	32513	21.254	ug/l	96
56) Ethyl methacrylate	10.53	69	48314	21.548	ug/l	95
57) 1,3-Dichloropropane	10.81	76	57455	21.071	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	130764	154.557	ug/l	99
59) 2-Hexanone	10.85	43	121778	110.582	ug/l	100
60) Dibromochloromethane	11.00	129	33628	20.862	ug/l	99
61) 1,2-Dibromoethane	11.11	107	30956	21.363	ug/l	99
64) Tetrachloroethene	10.74	164	33591	21.063	ug/l	98
65) Chlorobenzene	11.53	112	102705	20.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.61	131	34382	20.691	ug/l	97
67) Ethyl Benzene	11.61	91	191329	20.246	ug/l	98
68) m/p-Xylenes	11.72	106	142312	40.732	ug/l	100
69) o-Xylene	12.04	106	68820	20.899	ug/l	96
70) Styrene	12.06	104	118066	20.933	ug/l	99
71) Bromoform	12.22	173	19369	21.493	ug/l #	99
73) Isopropylbenzene	12.34	105	180247	19.402	ug/l	99
74) N-amyl acetate	12.16	43	60625	21.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	40878	20.405	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	53488	37.041	ug/l #	100
77) Bromobenzene	12.63	156	39543	20.090	ug/l	99
78) n-propylbenzene	12.69	91	225530	19.678	ug/l	99
79) 2-Chlorotoluene	12.77	91	123511	19.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	151299	19.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14378	20.113	ug/l	95
82) 4-Chlorotoluene	12.87	91	131574	19.957	ug/l	100
83) tert-Butylbenzene	13.09	119	128283	20.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	150693	19.854	ug/l	100
85) sec-Butylbenzene	13.27	105	188489	20.131	ug/l	99
86) p-Isopropyltoluene	13.38	119	164736	20.396	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	77073	19.983	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	79066	20.207	ug/l	99
89) n-Butylbenzene	13.71	91	168207	20.073	ug/l	100
90) Hexachloroethane	13.97	117	29887	19.615	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	70800	20.205	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6523	20.866	ug/l	96

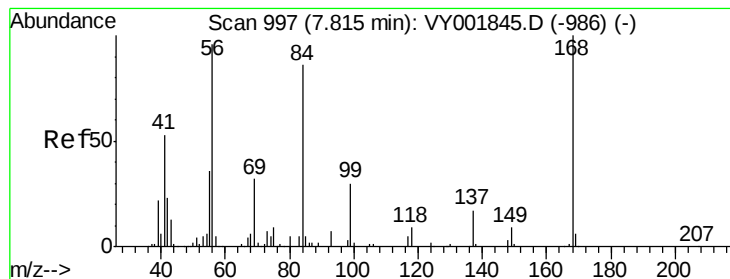
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002063.D
Acq On : 25 Mar 2020 13:53
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Quant Time: Mar 26 06:34:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46644	20.526	ug/l	98
94) Hexachlorobutadiene	15.12	225	22713	20.501	ug/l	99
95) Naphthalene	15.25	128	109294	20.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	41290	20.626	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

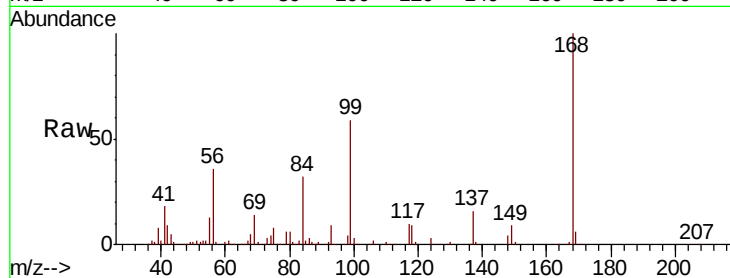
ClientSampleId :

Tot Ion:168 Resp: 154891

Ion Ratio Lower Upper

168 100

99 59.5 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

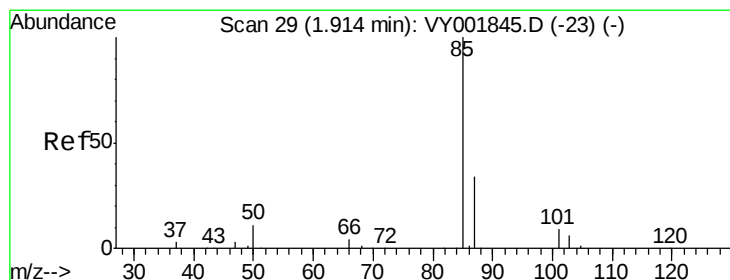
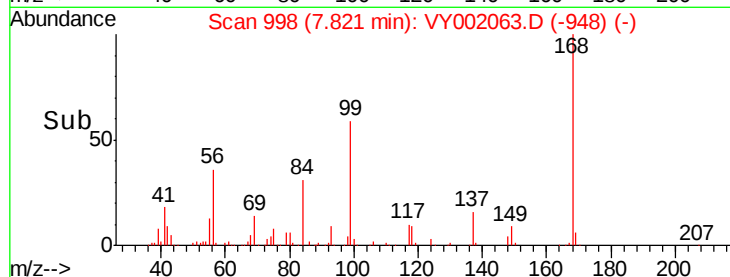
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.711 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002063.D

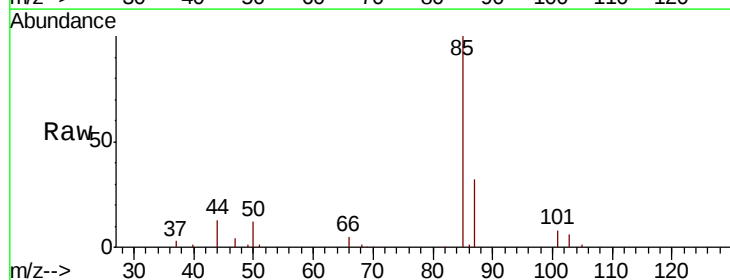
Acq: 25 Mar 2020 13:53

Tgt Ion: 85 Resp: 25323

Ion Ratio Lower Upper

85 100

87 32.3 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

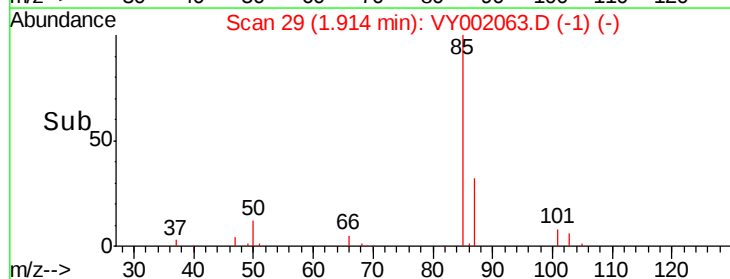
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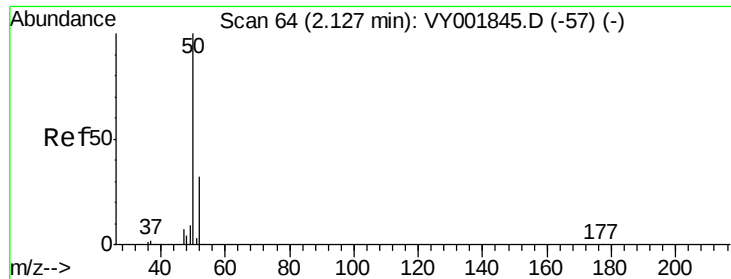
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.610 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

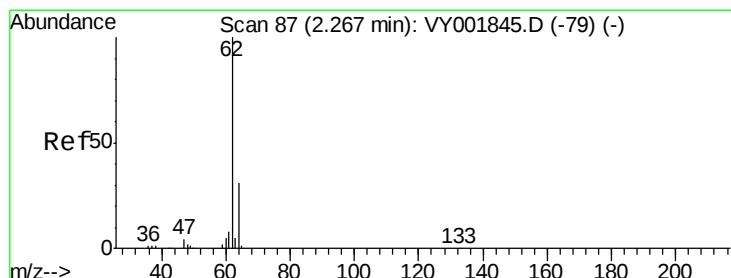
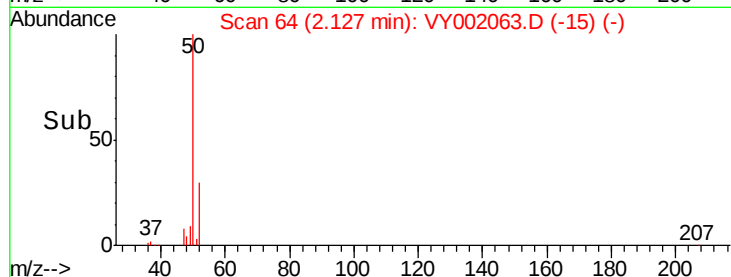
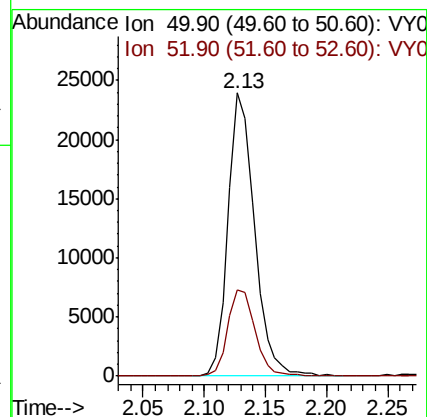
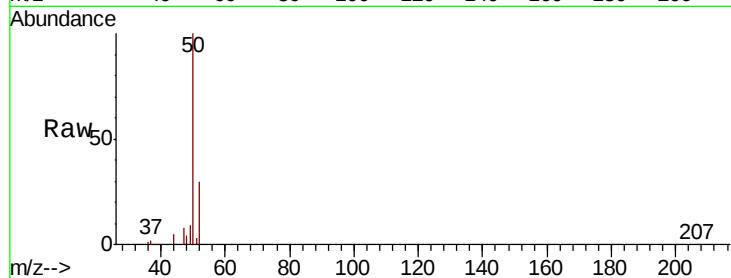
ClientSampleId :

Tot Ion: 50 Resp: 35873

Ion Ratio Lower Upper

50 100

52 30.4 25.8 38.6



#4

Vinyl Chloride

Concen: 19.005 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002063.D

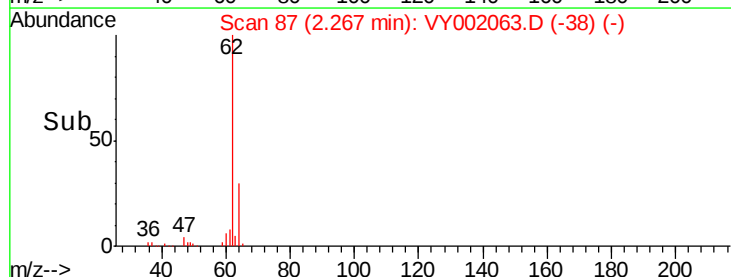
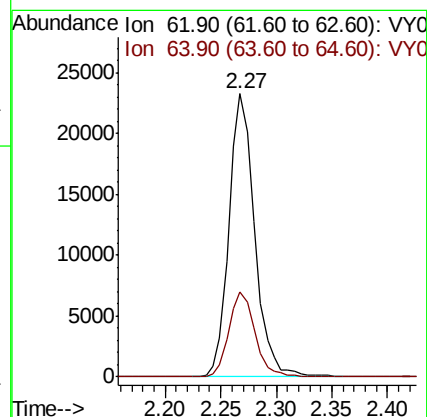
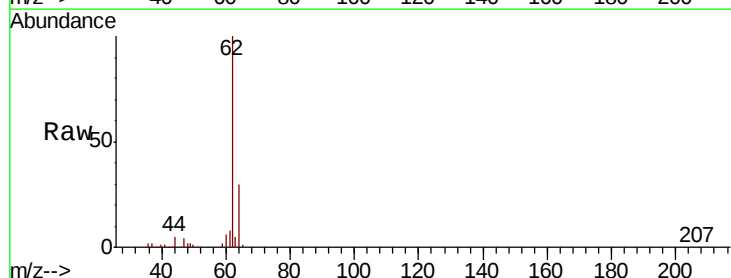
Acq: 25 Mar 2020 13:53

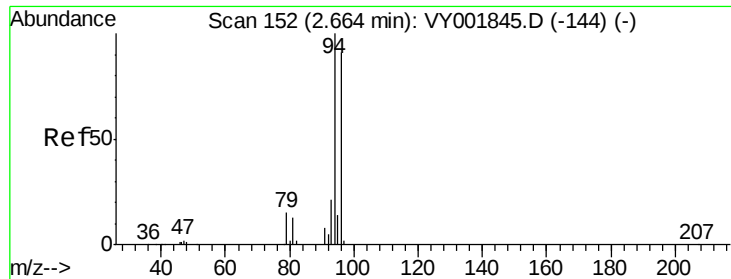
Tgt Ion: 62 Resp: 37263

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 17.840 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

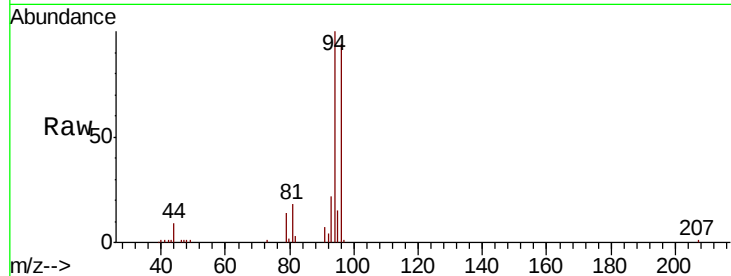
ClientSampleId :

Tot Ion: 94 Resp: 24742

Ion Ratio Lower Upper

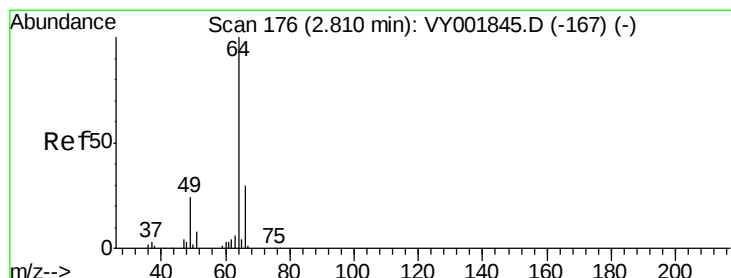
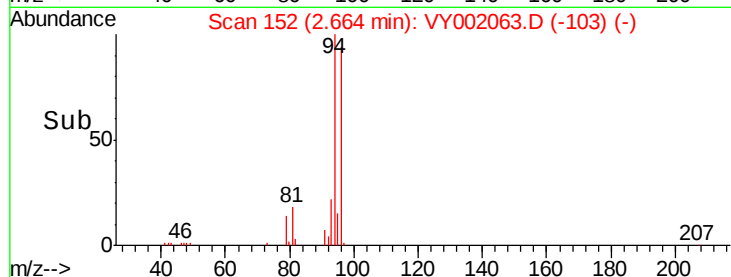
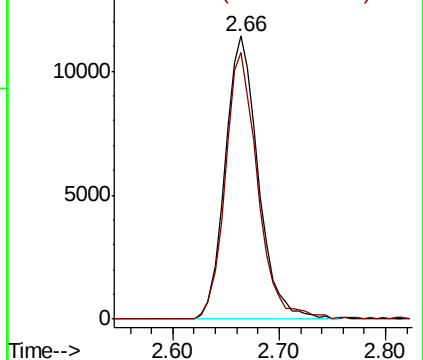
94 100

96 94.1 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: 19.107 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002063.D

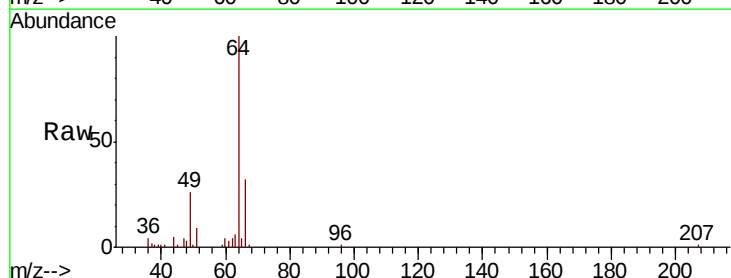
Acq: 25 Mar 2020 13:53

Tgt Ion: 64 Resp: 23534

Ion Ratio Lower Upper

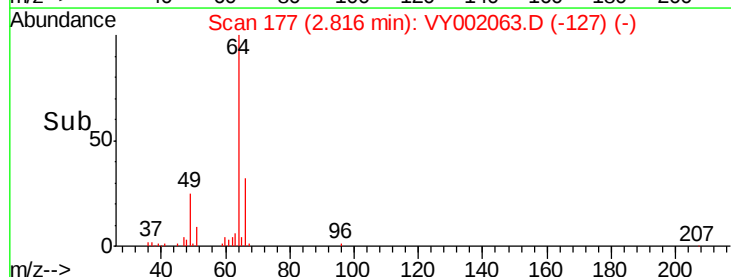
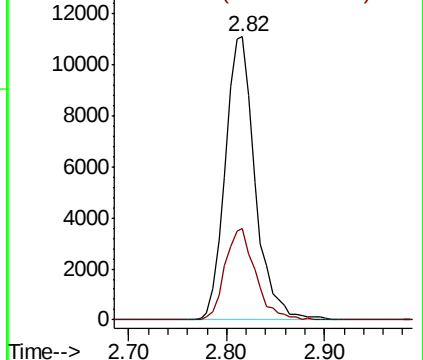
64 100

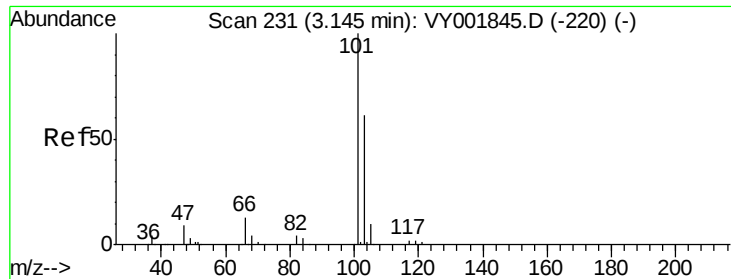
66 32.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



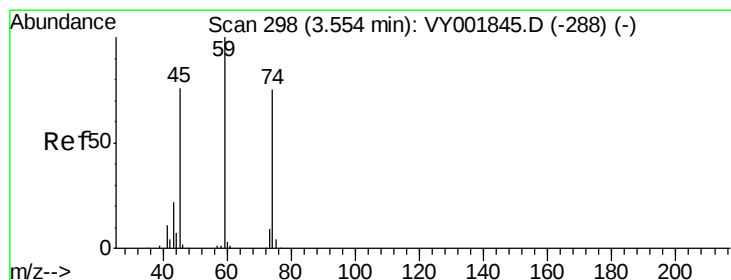
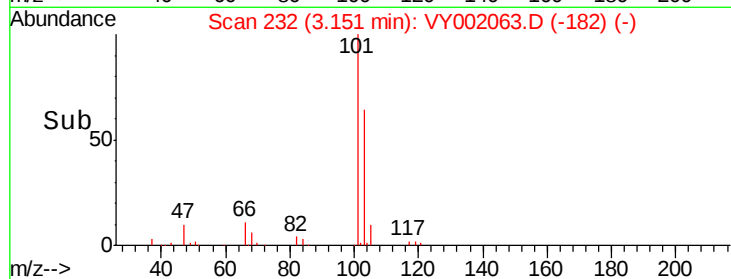
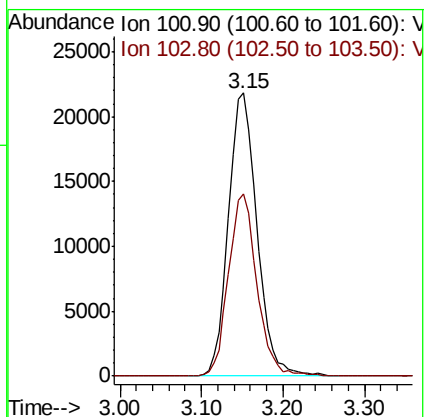
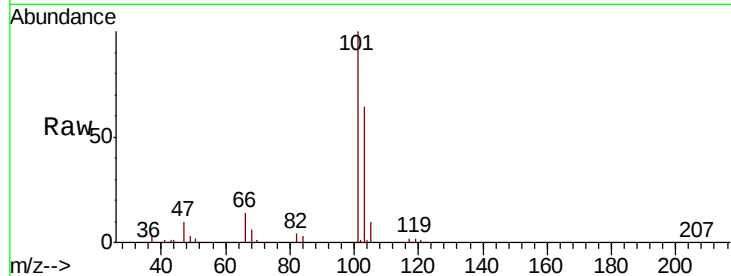


#7

Trichlorofluoromethane
 Concen: 19.828 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :

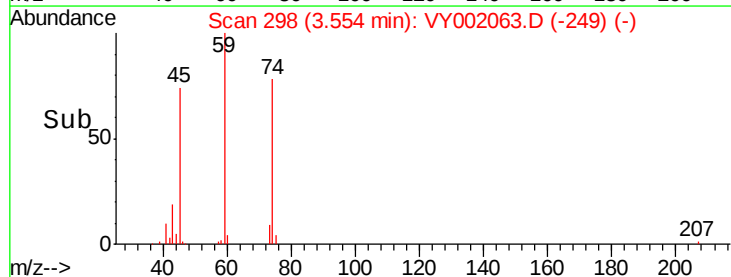
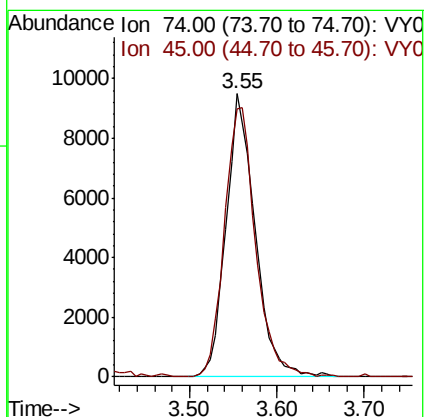
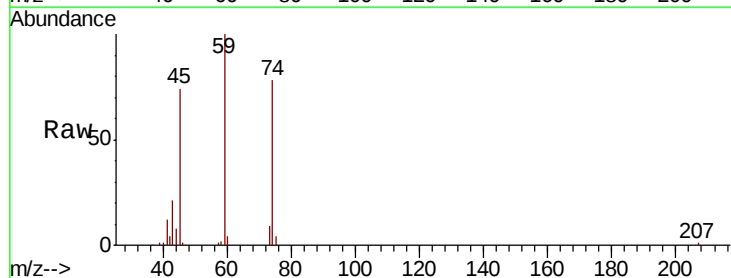
Tot Ion:101 Resp: 52725
 Ion Ratio Lower Upper
 101 100
 103 64.2 49.1 73.7

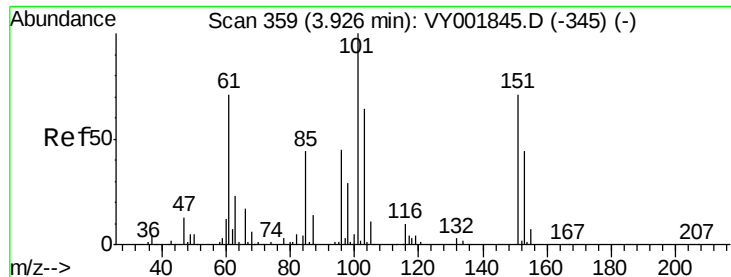


#8

Diethyl Ether
 Concen: 21.006 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 74 Resp: 22015
 Ion Ratio Lower Upper
 74 100
 45 101.7 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.375 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

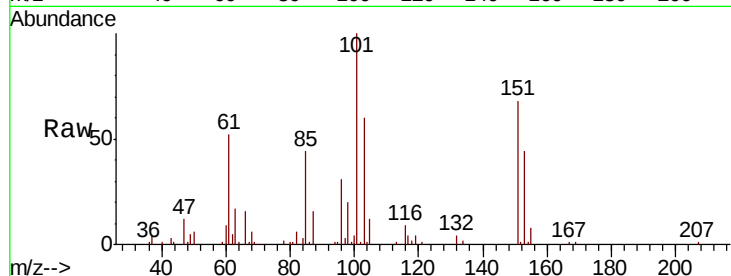
Tot Ion:101 Resp: 34847

Ion Ratio Lower Upper

101 100

85 43.2 35.3 52.9

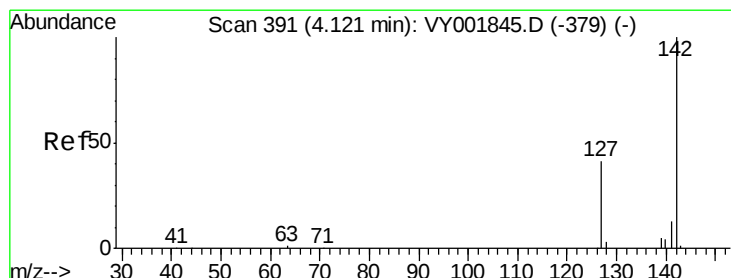
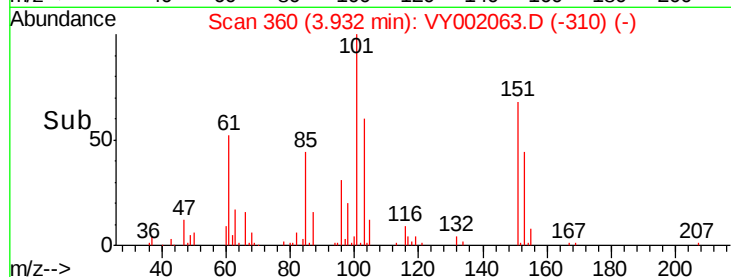
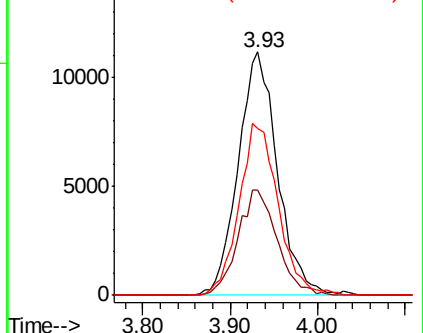
151 70.4 57.0 85.4



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: 19.176 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

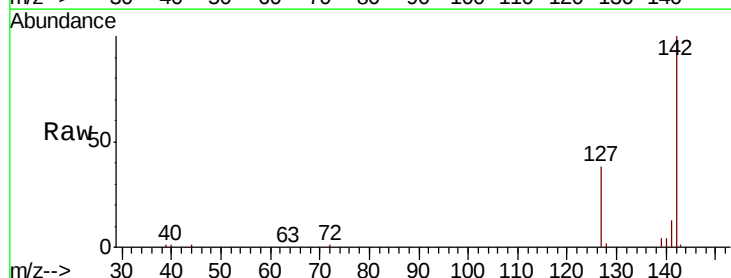
Tgt Ion:142 Resp: 37928

Ion Ratio Lower Upper

142 100

127 39.1 32.7 49.1

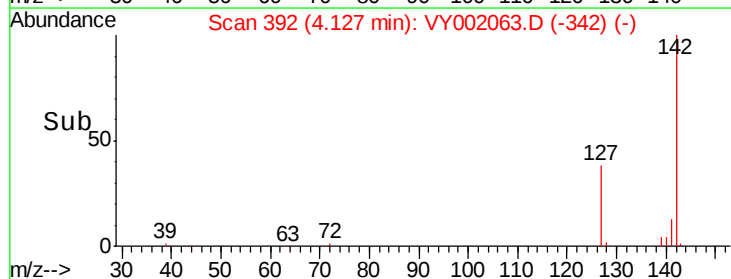
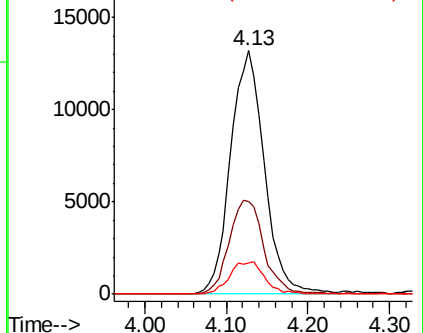
141 13.7 11.0 16.6

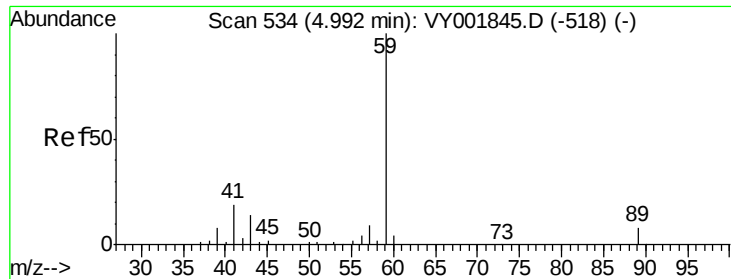


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

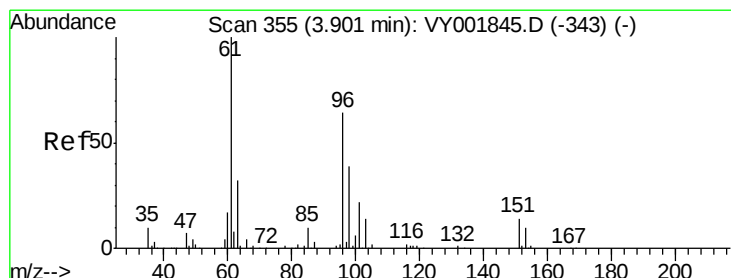
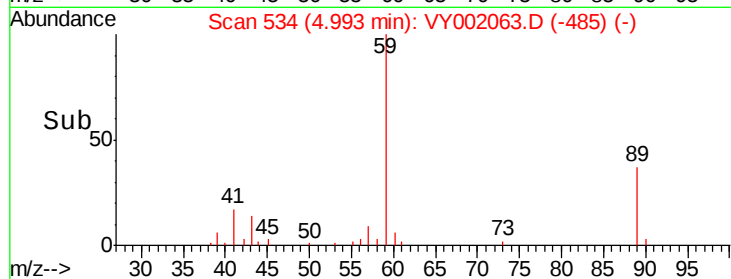
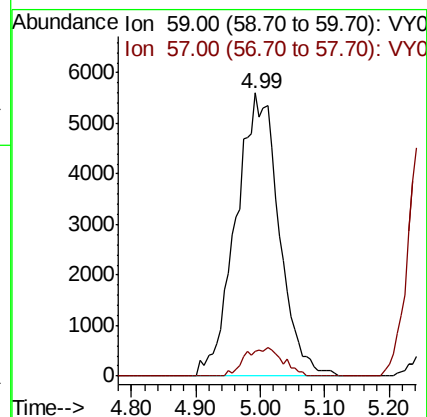
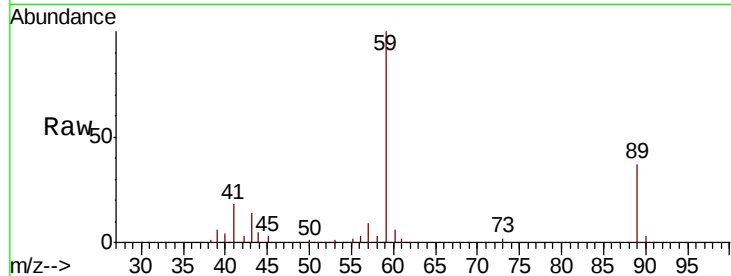




#11
Tert butyl alcohol
Concen: 140.610 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

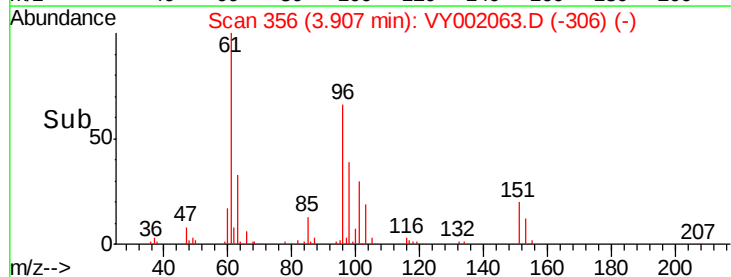
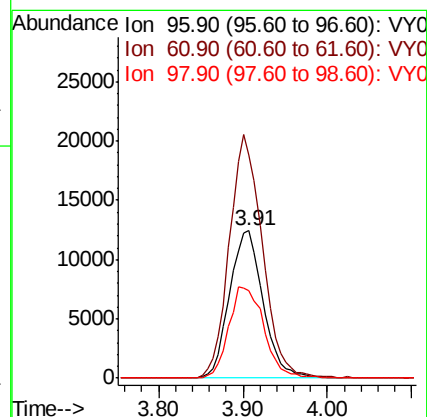
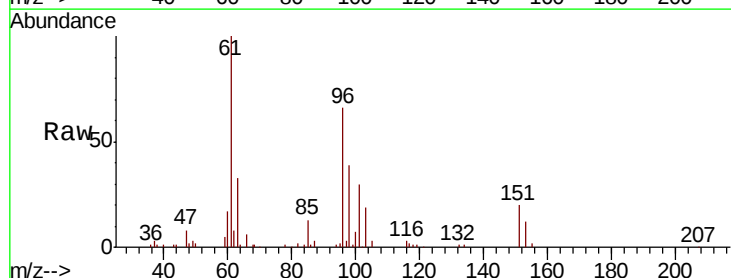
Instrument :
MSVOA_Y
ClientSampled :

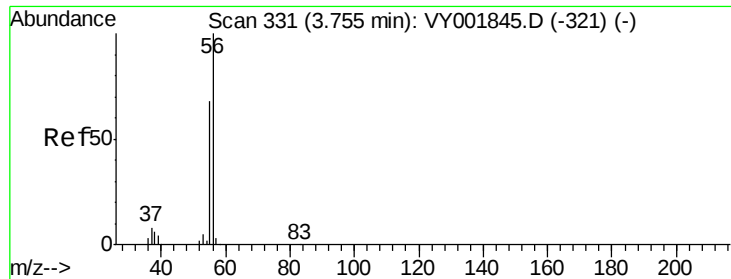
Tot Ion: 59 Resp: 25896
Ion Ratio Lower Upper
59 100
57 8.8 7.4 11.2



#12
1,1-Dichloroethene
Concen: 19.609 ug/l
RT: 3.91 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 96 Resp: 33769
Ion Ratio Lower Upper
96 100
61 151.7 124.8 187.2
98 59.4 49.2 73.8





#13

Acrolein

Concen: 78.217 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

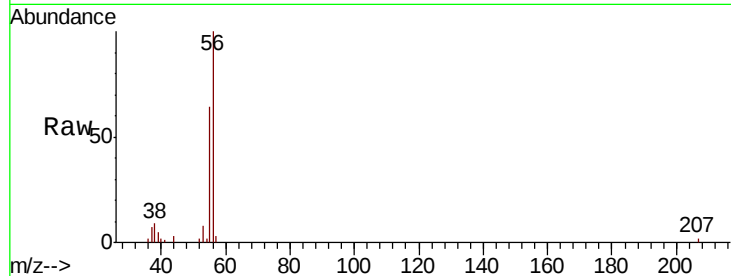
ClientSampleId :

Tot Ion: 56 Resp: 18175

Ion Ratio Lower Upper

56 100

55 68.2 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

8000

6000

4000

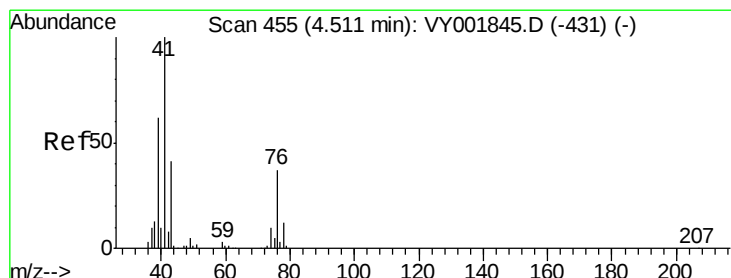
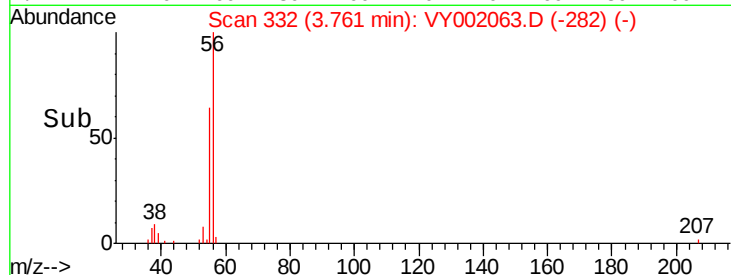
2000

0

3.76

3.70 3.80 3.90

Time-->



#14

Allyl chloride

Concen: 20.194 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

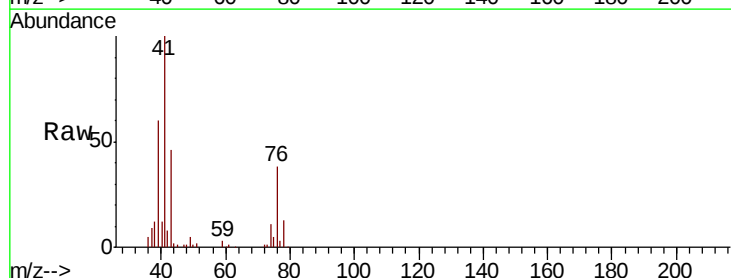
Tgt Ion: 41 Resp: 61652

Ion Ratio Lower Upper

41 100

39 63.5 49.0 73.6

76 36.7 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

25000

20000

15000

10000

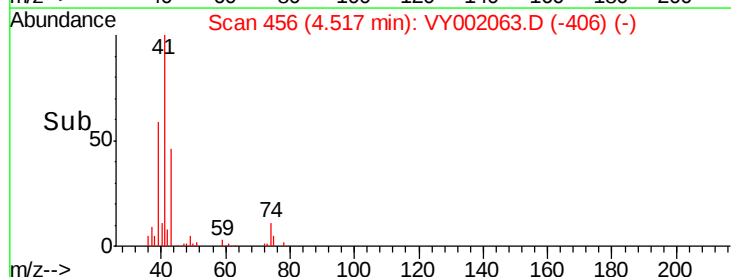
5000

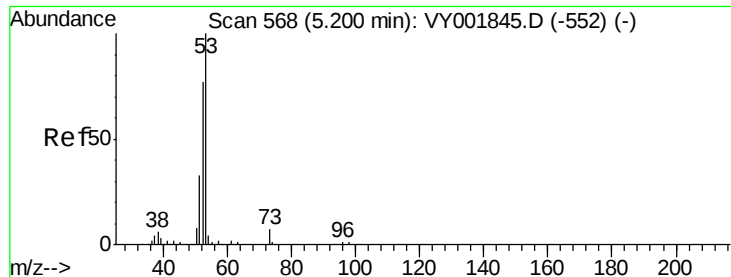
0

4.52

4.30 4.40 4.50 4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 110.210 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

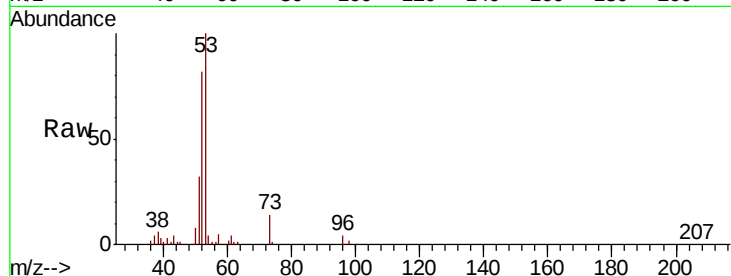
Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 53 Resp: 61722

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	34.6	27.5	41.3

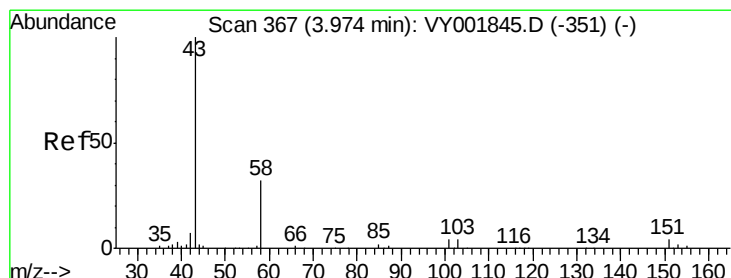
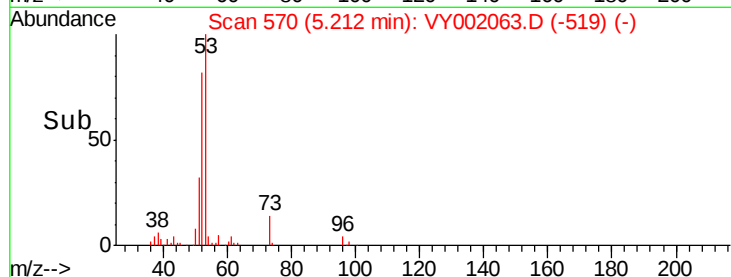
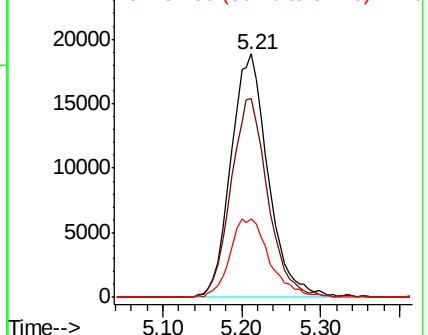


Abundance

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: 107.523 ug/l

RT: 3.98 min Scan# 368

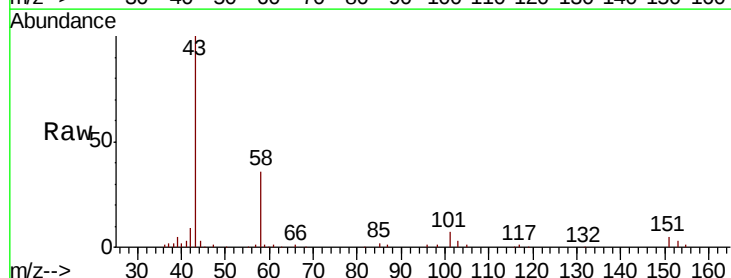
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion: 43 Resp: 51785

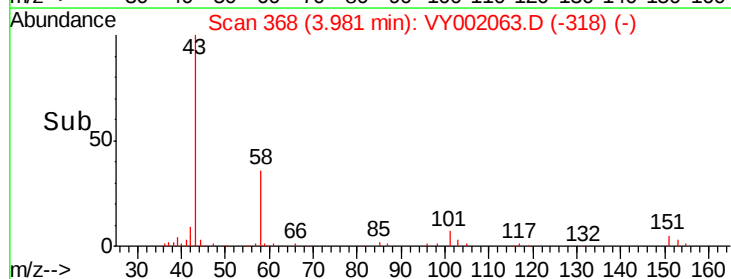
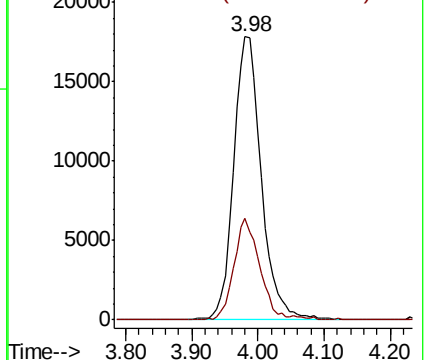
Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.9	38.9

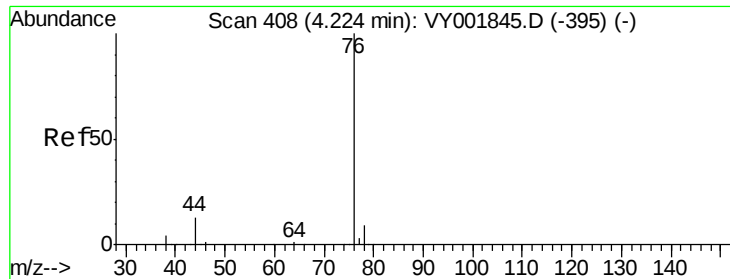


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

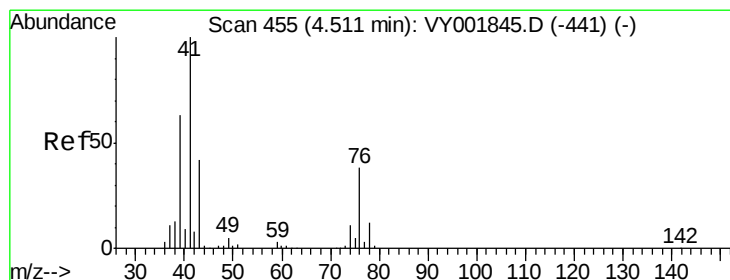
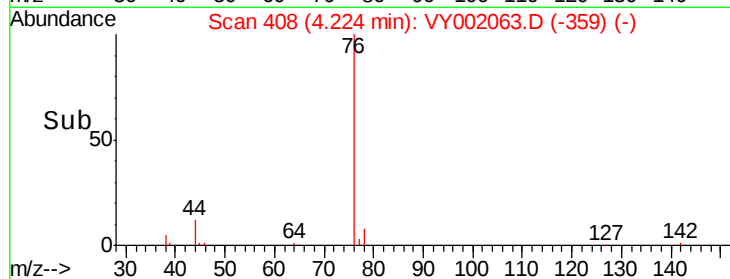
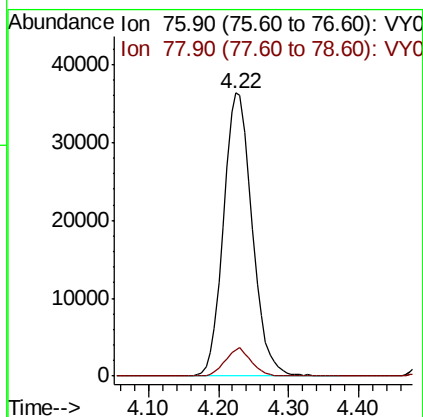
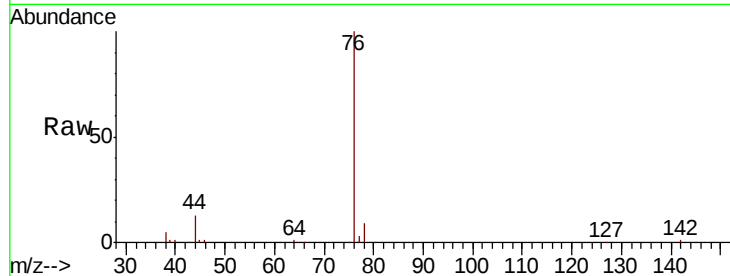




#17
Carbon Disulfide
Concen: 17.847 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

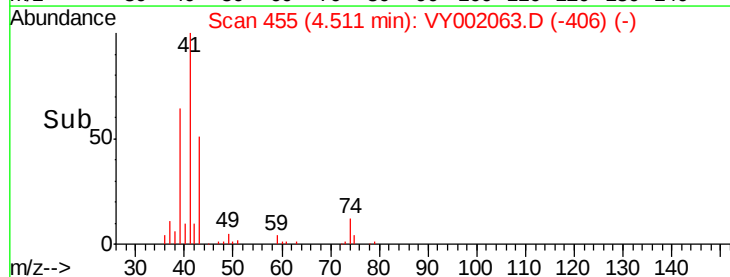
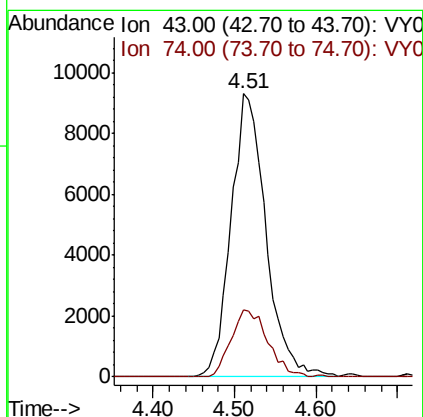
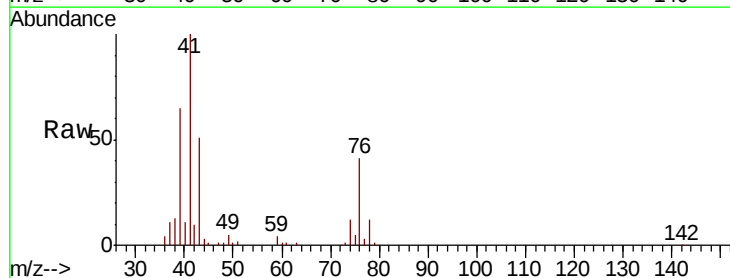
Instrument :
MSVOA_Y
ClientSampleId :

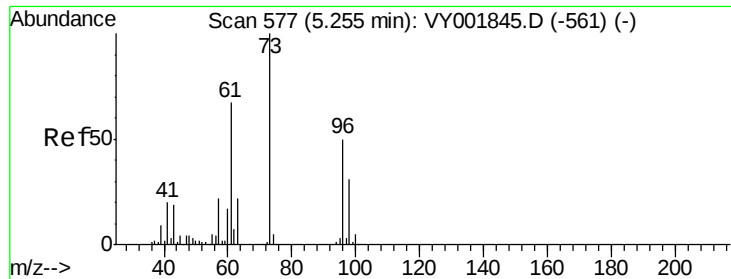
Tot Ion: 76 Resp: 103319
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 22.257 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 43 Resp: 27543
Ion Ratio Lower Upper
43 100
74 24.7 19.0 28.6

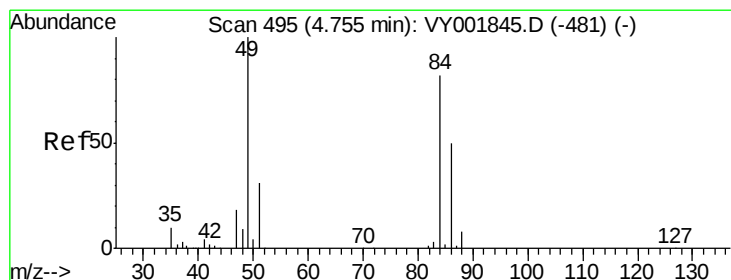
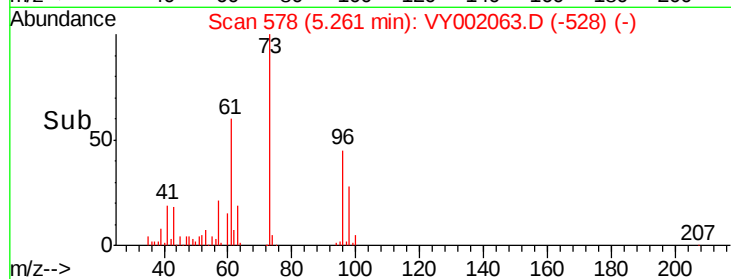
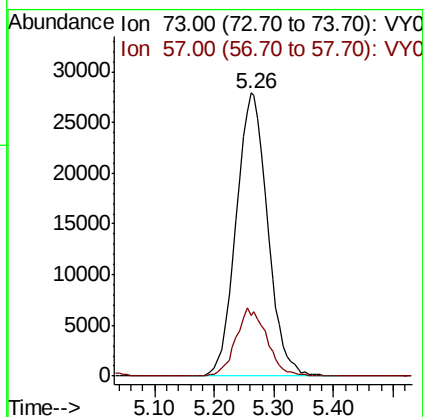
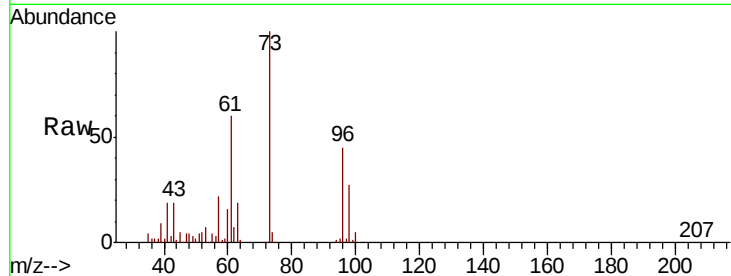




#19
Methyl tert-butyl Ether
Concen: 21.931 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

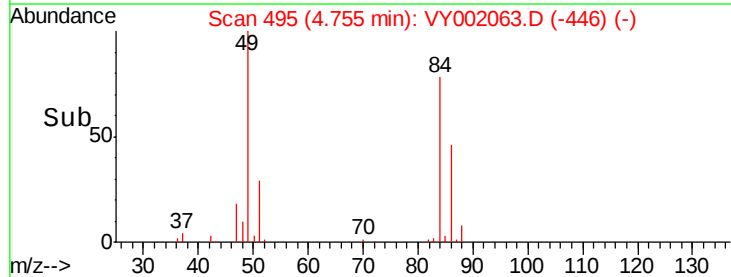
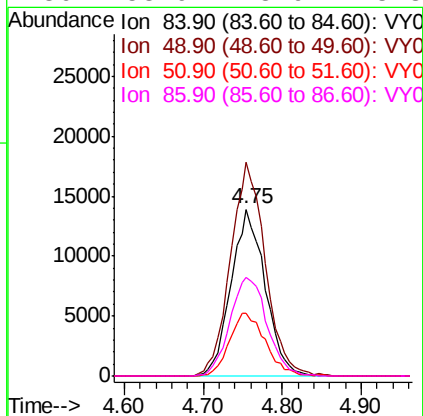
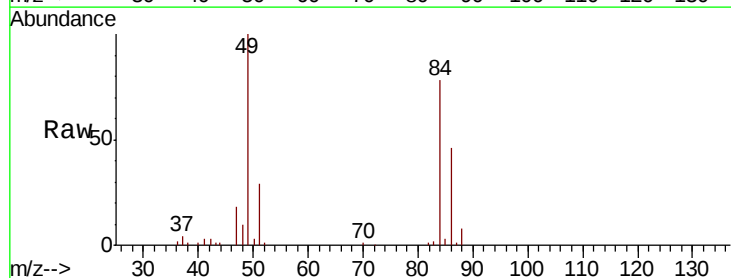
Instrument :
MSVOA_Y
ClientSampled :

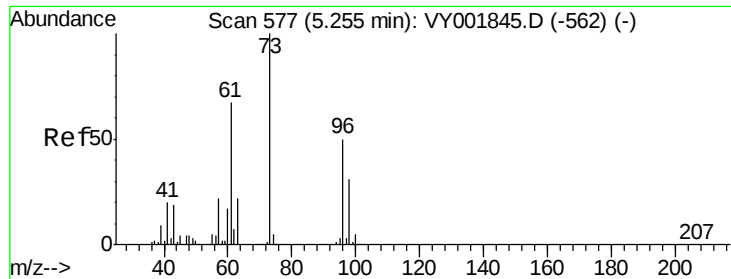
Tot Ion: 73 Resp: 102346
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 20.298 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 84 Resp: 41898
Ion Ratio Lower Upper
84 100
49 128.2 98.2 147.2
51 37.6 30.2 45.2
86 58.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.776 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

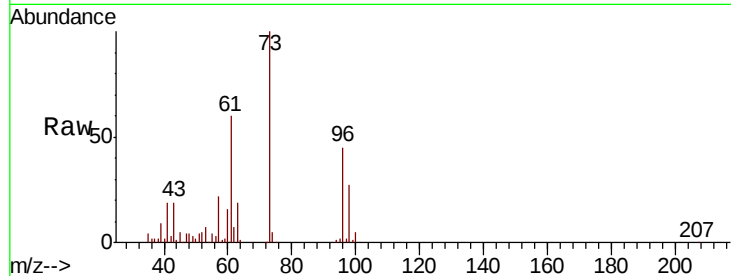
Tot Ion: 96 Resp: 38656

Ion Ratio Lower Upper

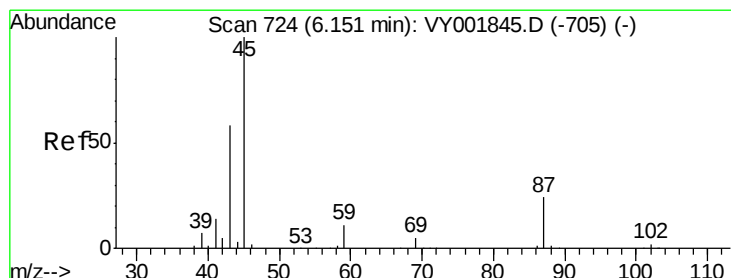
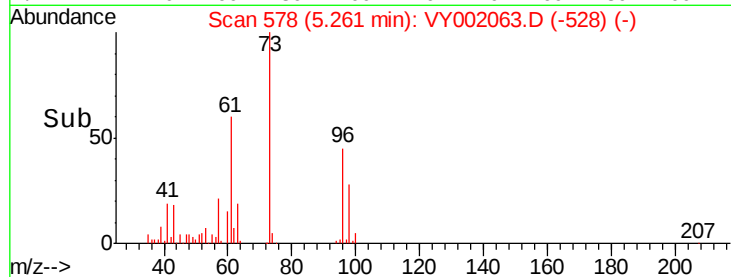
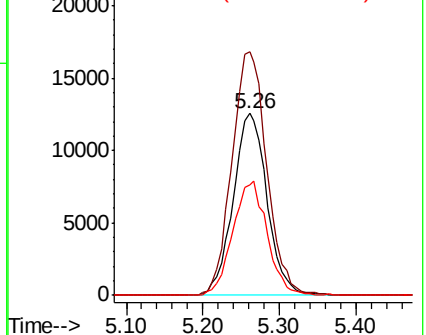
96 100

61 133.7 107.7 161.5

98 61.0 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: 21.643 ug/l

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion: 45 Resp: 135443

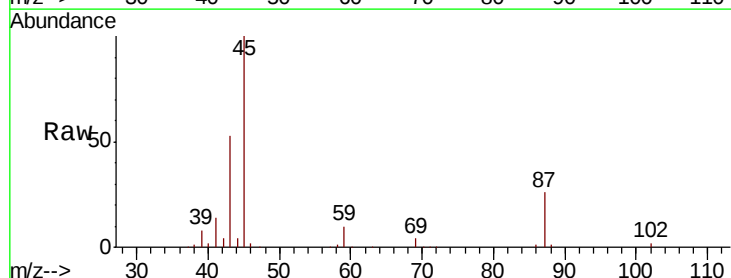
Ion Ratio Lower Upper

45 100

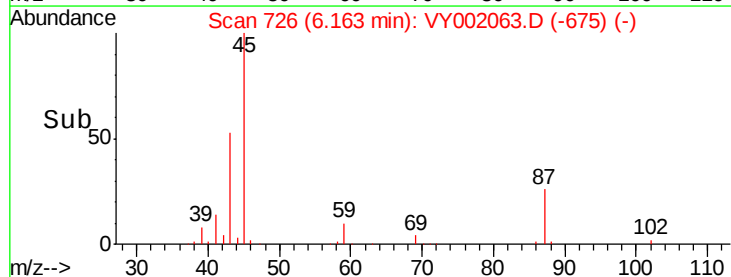
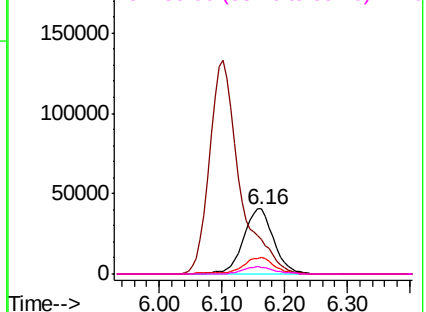
43 52.5 47.2 70.8

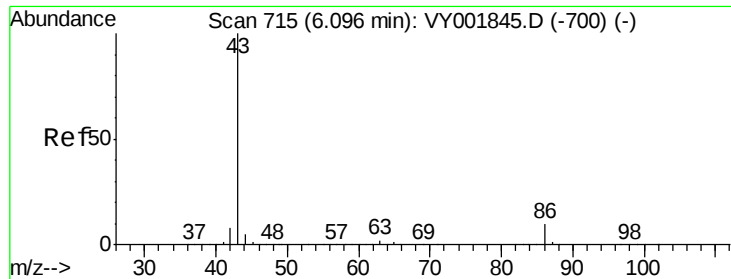
87 25.6 19.8 29.8

59 10.2 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

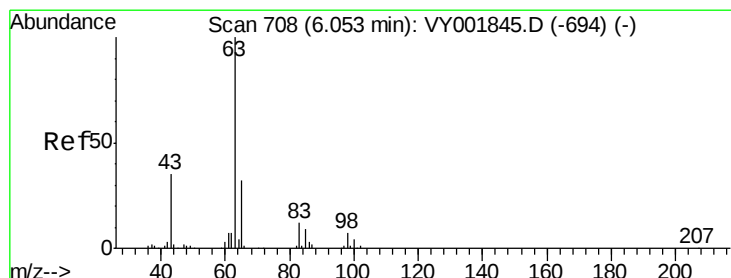
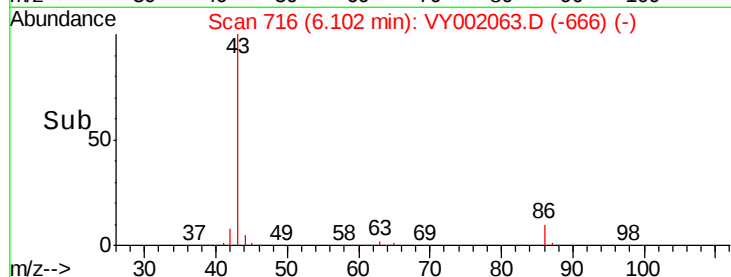
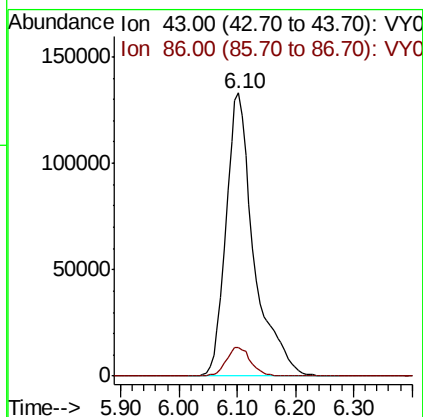
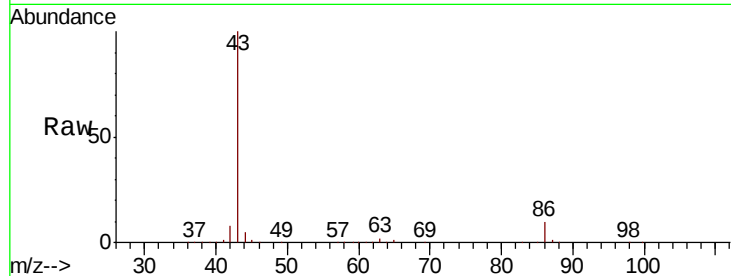




#23
 Vinyl Acetate
 Concen: 108.027 ug/l
 RT: 6.10 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

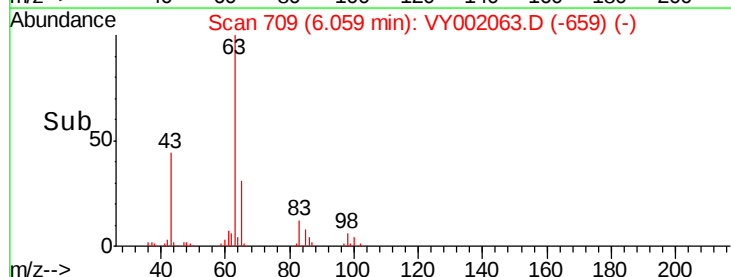
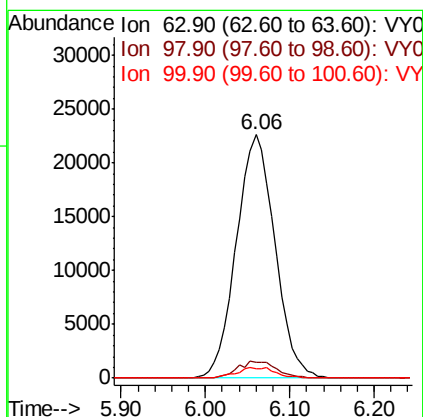
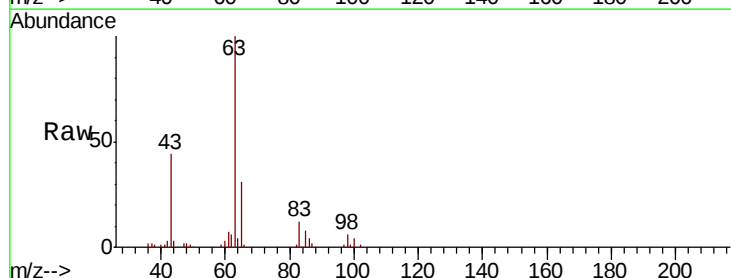
Instrument :
 MSVOA_Y
 ClientSampled :

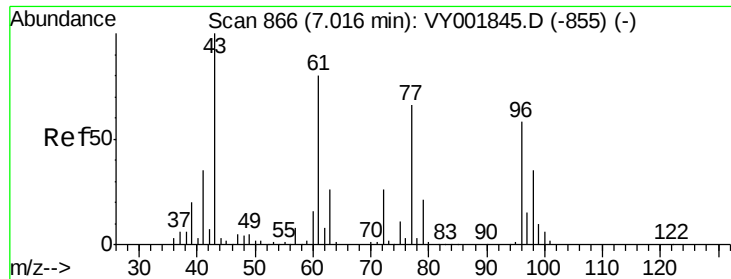
Tot Ion: 43 Resp: 443189
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.714 ug/l
 RT: 6.06 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 63 Resp: 70198
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 112.055 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

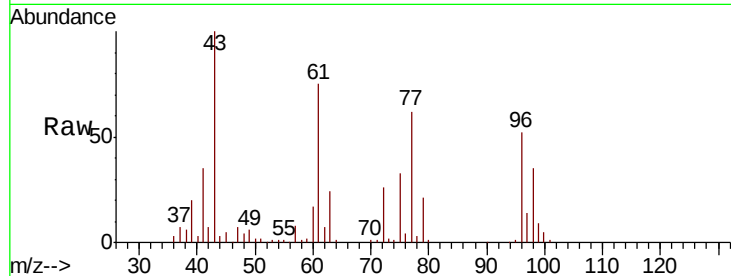
ClientSampled :

Tot Ion: 43 Resp: 82070

Ion Ratio Lower Upper

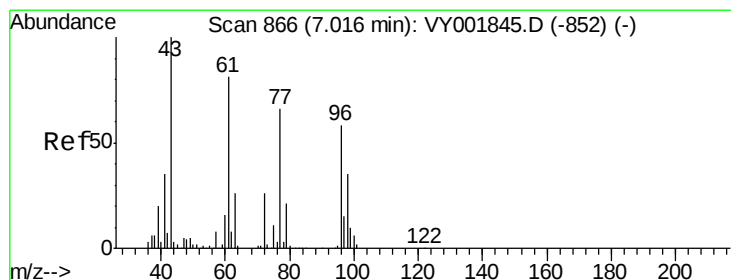
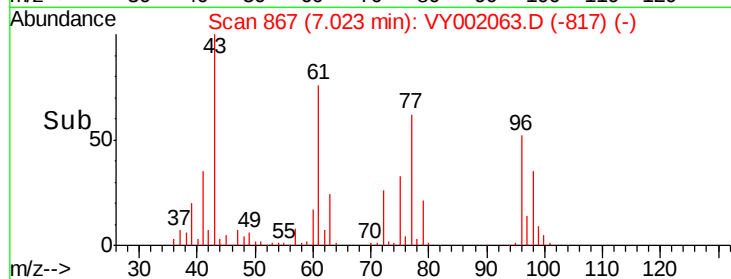
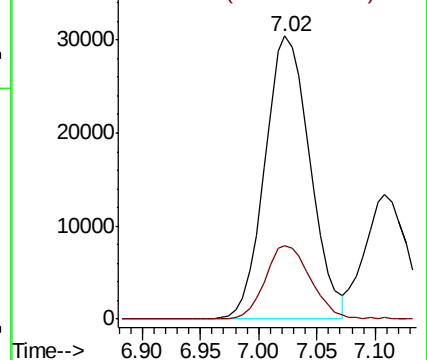
43 100

72 25.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.990 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002063.D

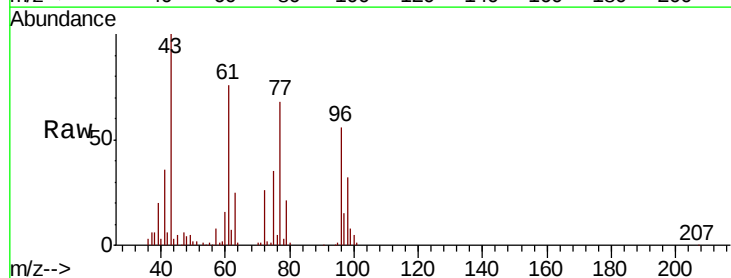
Acq: 25 Mar 2020 13:53

Tgt Ion: 77 Resp: 58384

Ion Ratio Lower Upper

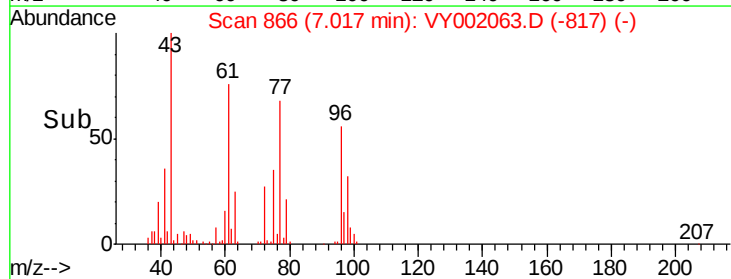
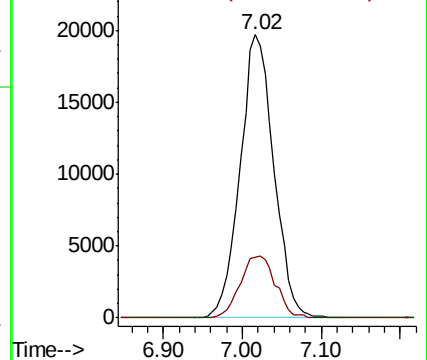
77 100

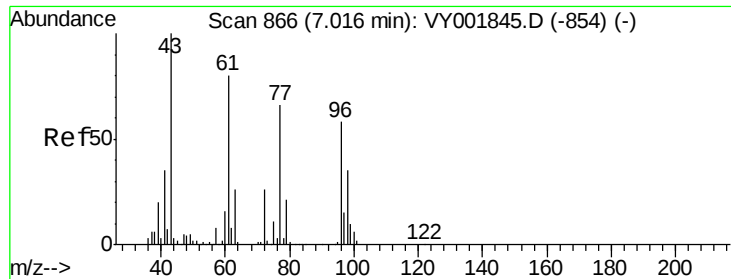
97 22.9 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



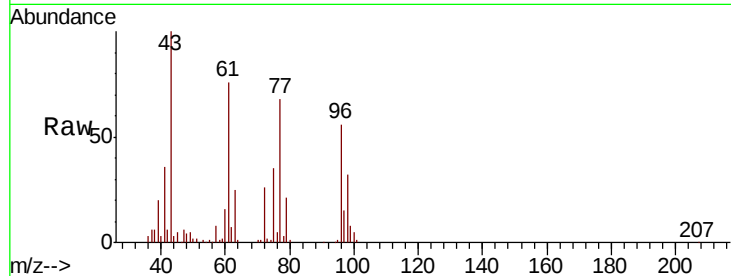


#27

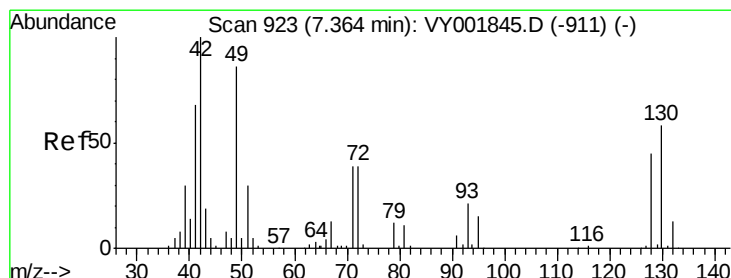
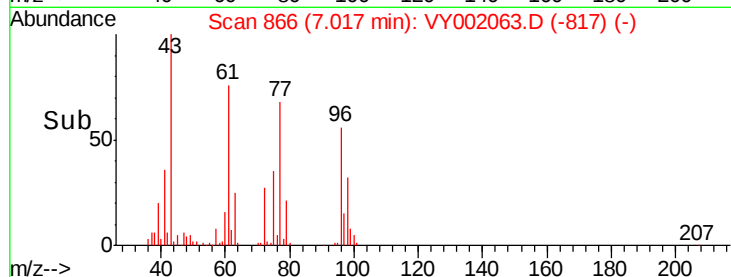
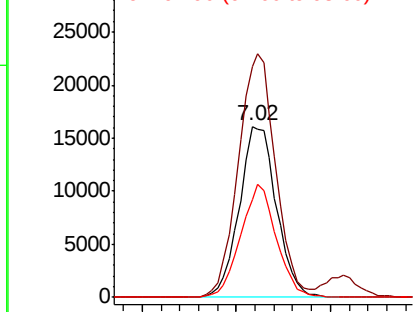
cis-1,2-Dichloroethene
Concen: 20.890 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 44416
Ion Ratio Lower Upper
96 100
61 142.7 0.0 288.2
98 63.4 0.0 129.0



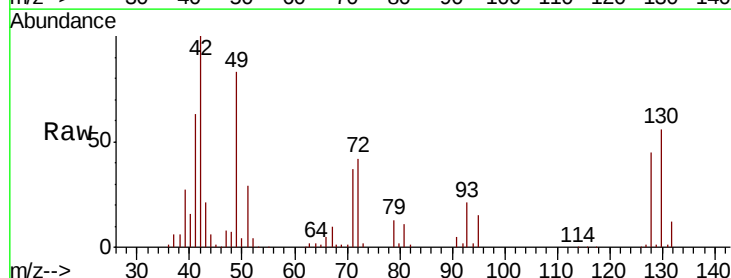
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



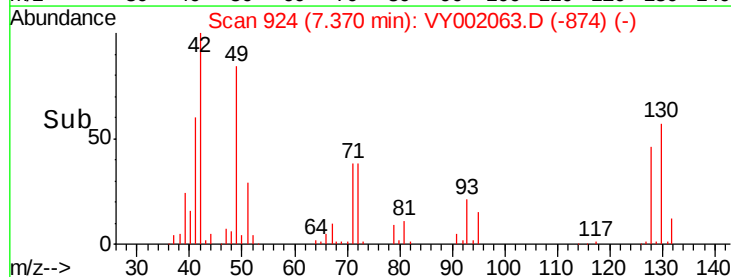
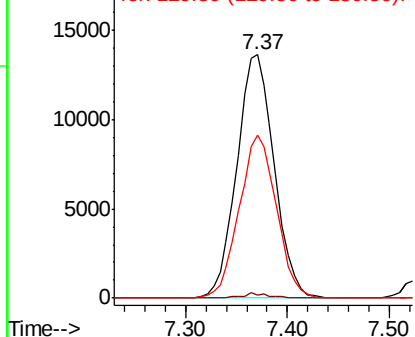
#28

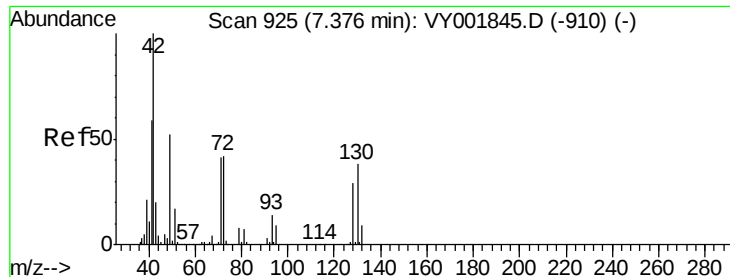
Bromochloromethane
Concen: 22.680 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 49 Resp: 34645
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.8
130 66.8 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: 110.978 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

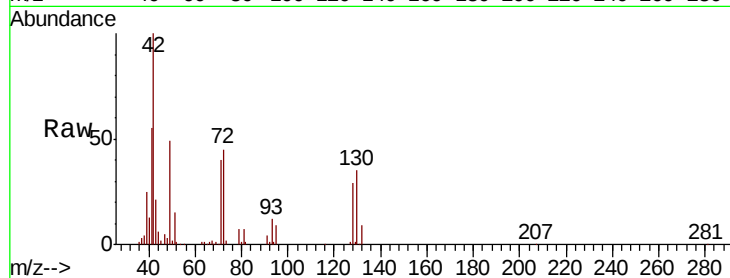
Tot Ion: 42 Resp: 53976

Ion Ratio Lower Upper

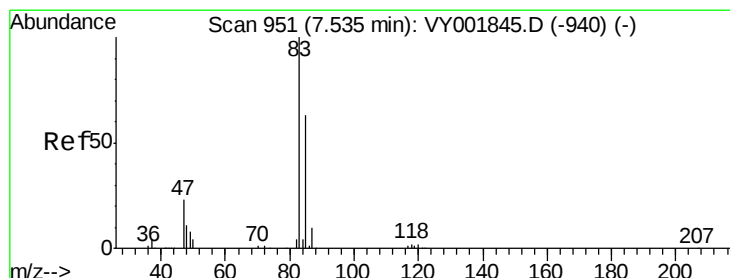
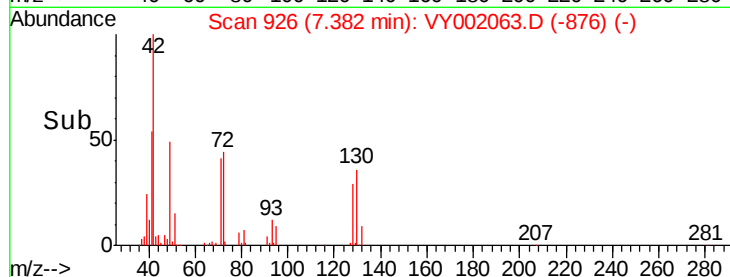
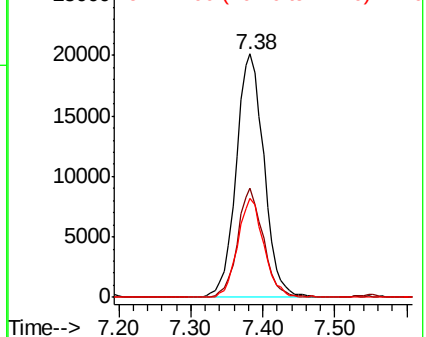
42 100

72 41.2 33.5 50.3

71 38.1 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: 21.019 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY002063.D

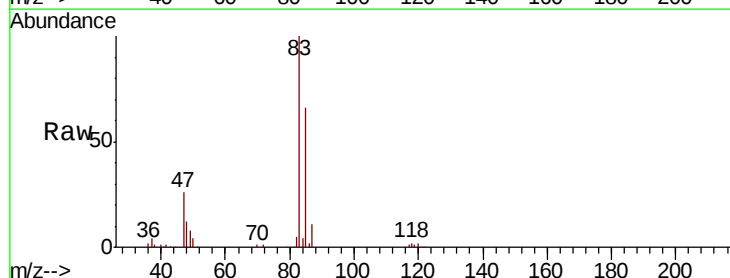
Acq: 25 Mar 2020 13:53

Tgt Ion: 83 Resp: 66923

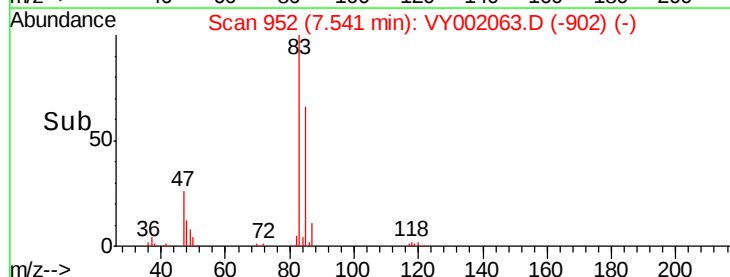
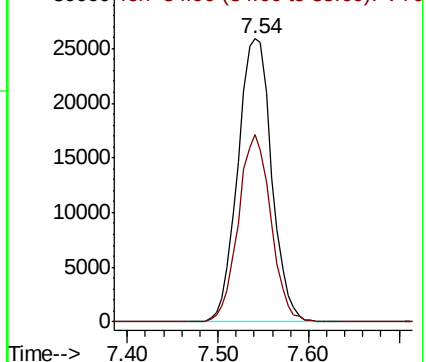
Ion Ratio Lower Upper

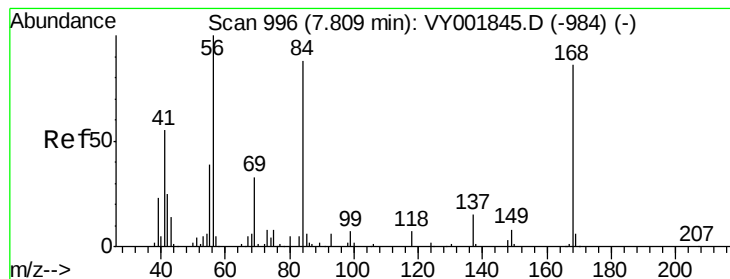
83 100

85 66.0 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: 19.676 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :

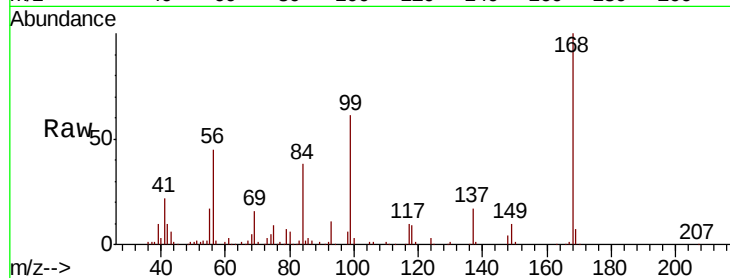
Tot Ion: 56 Resp: 71496

Ion Ratio Lower Upper

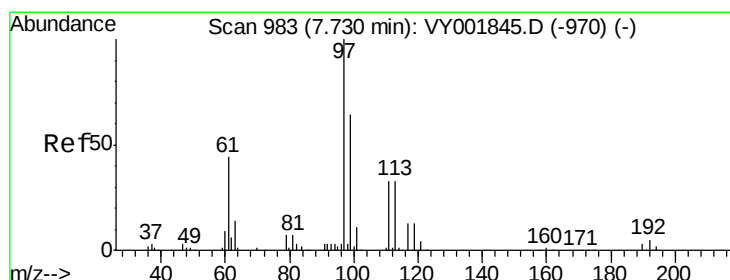
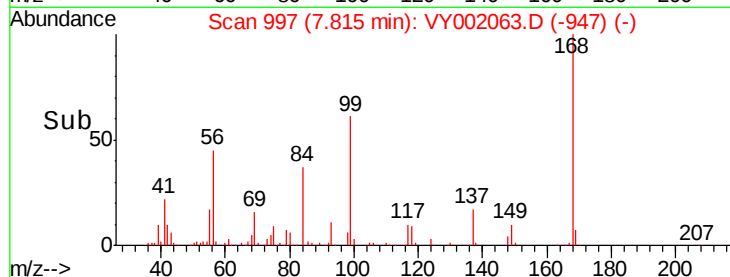
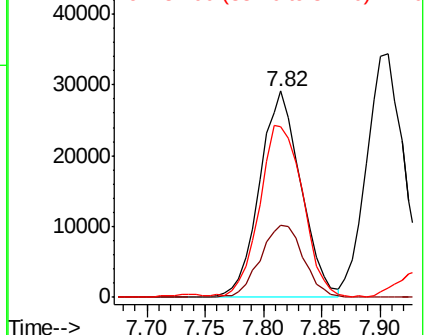
56 100

69 34.9 26.7 40.1

84 81.3 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: 20.444 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

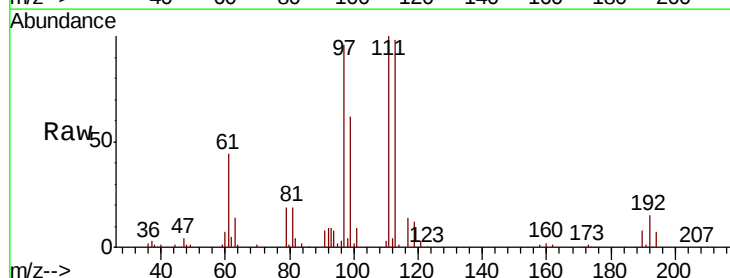
Tgt Ion: 97 Resp: 54863

Ion Ratio Lower Upper

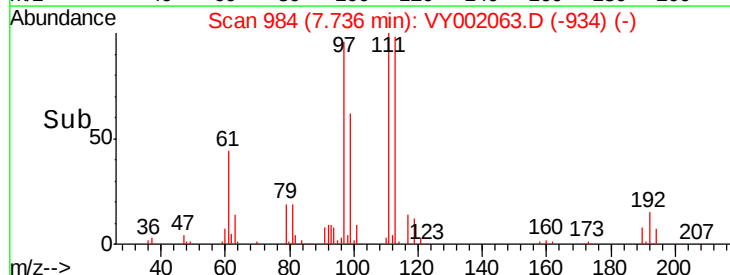
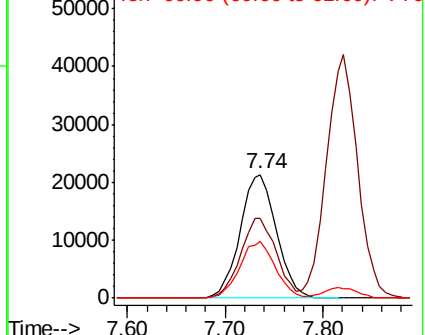
97 100

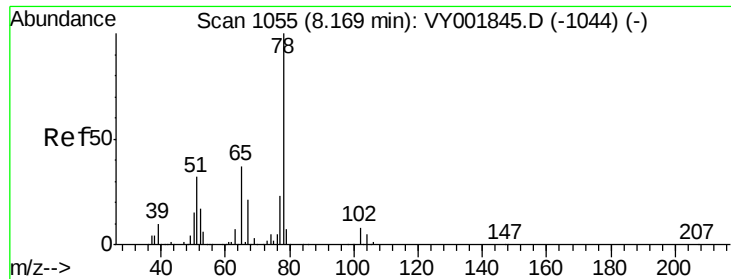
99 63.5 52.0 78.0

61 44.8 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

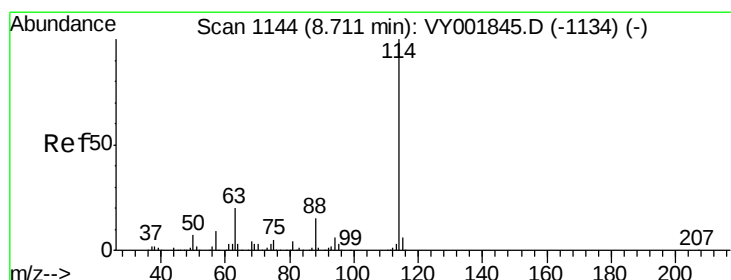
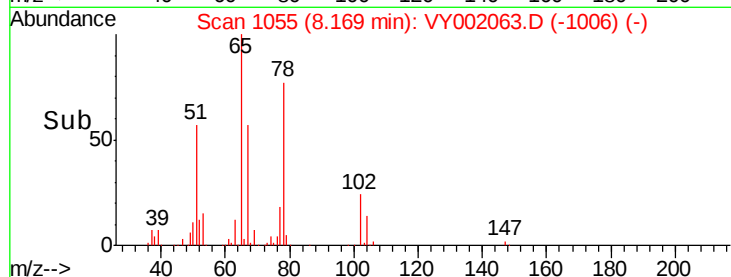
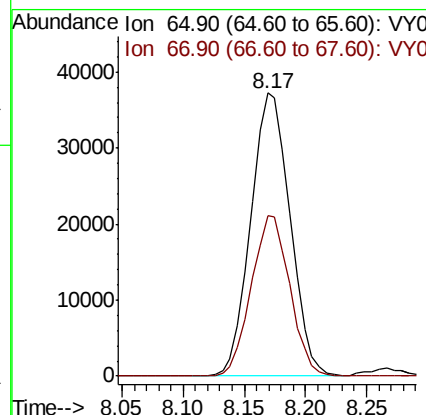
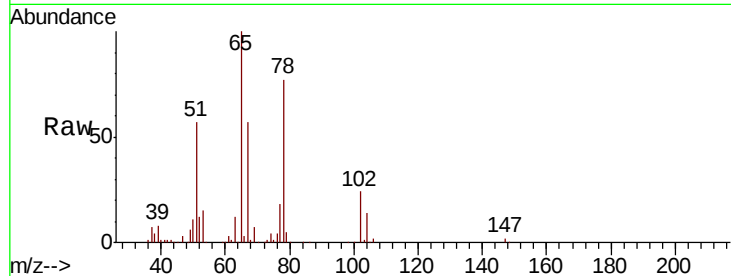




#33
 1,2-Dichloroethane-d4
 Concen: 50.403 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

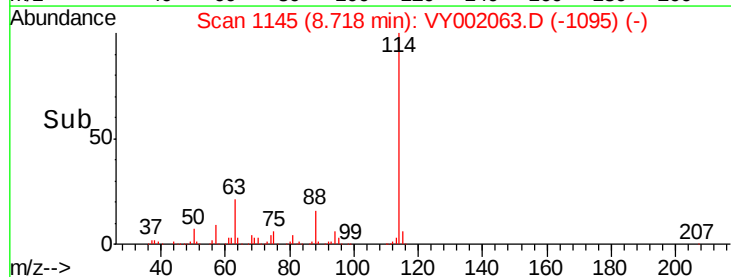
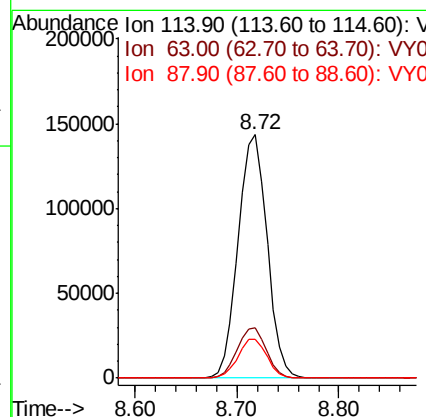
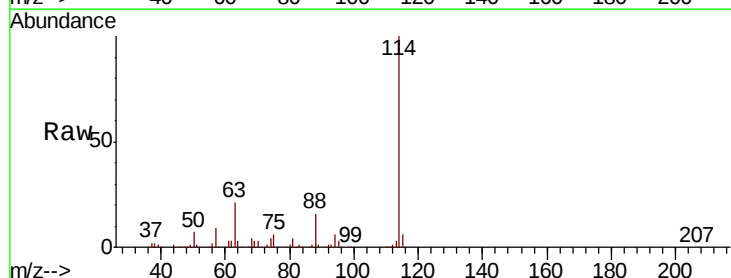
Instrument :
 MSVOA_Y
 ClientSampleId :

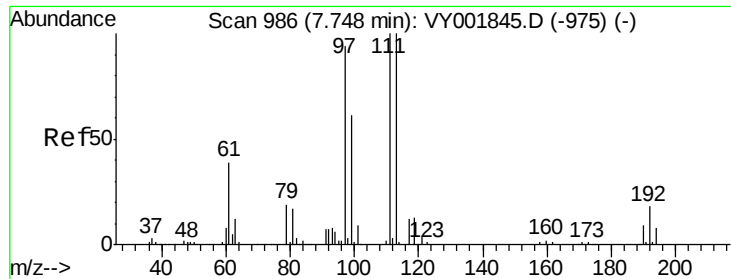
Tot Ion: 65 Resp: 83345
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 114 Resp: 282889
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.4
 88 15.7 0.0 30.4

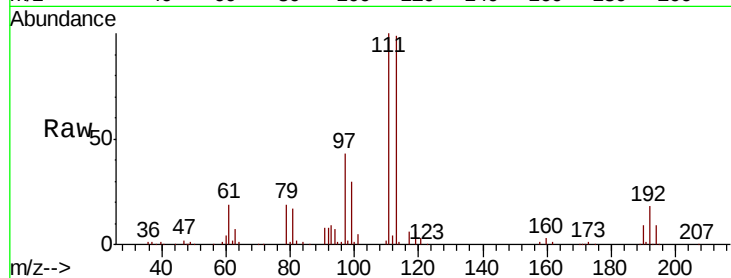




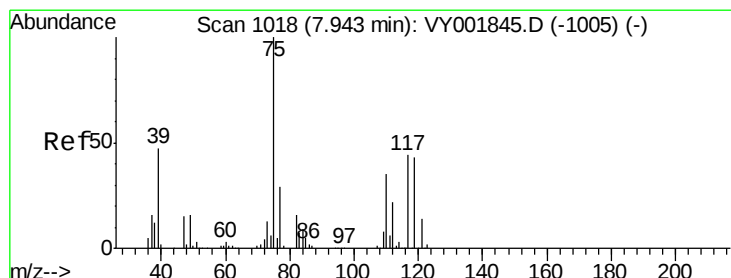
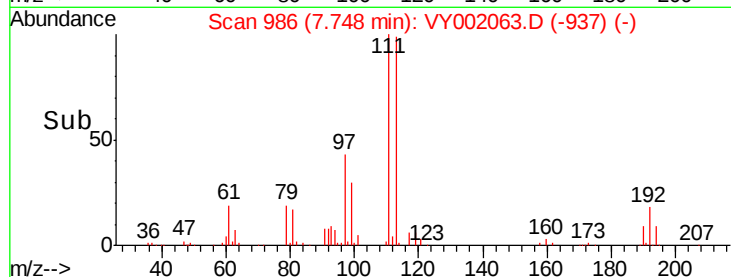
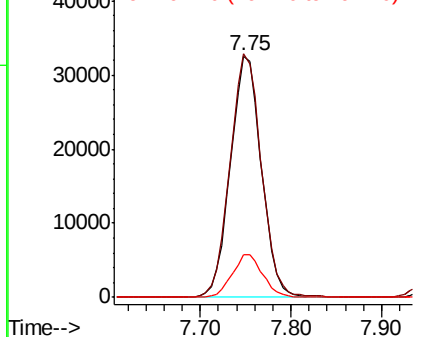
#35
 Dibromofluoromethane
 Concen: 49.959 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 77171
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 17.5 14.2 21.2

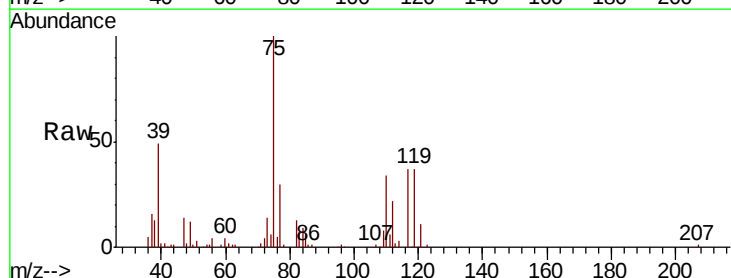


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

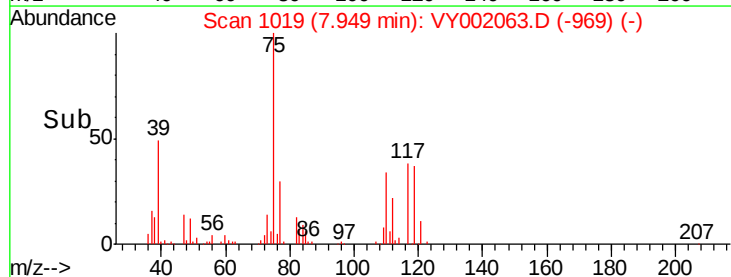
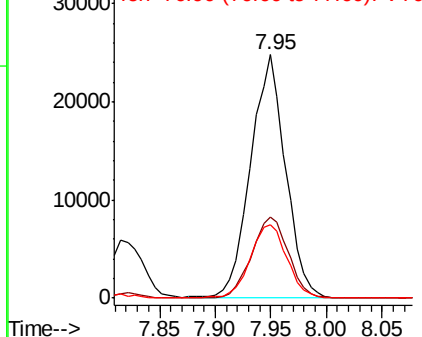


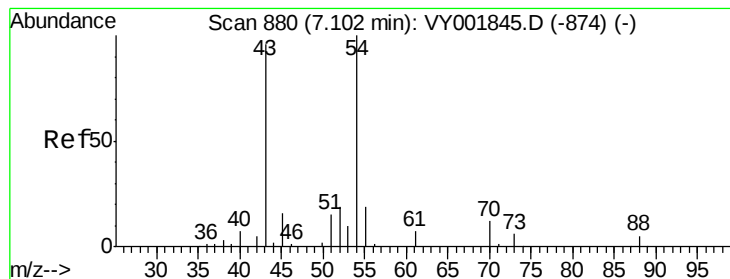
#36
 1,1-Dichloropropene
 Concen: 20.003 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 75 Resp: 54453
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.4 52.2
 77 31.6 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: 22.754 ug/l

RT: 7.11 min Scan# 881

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

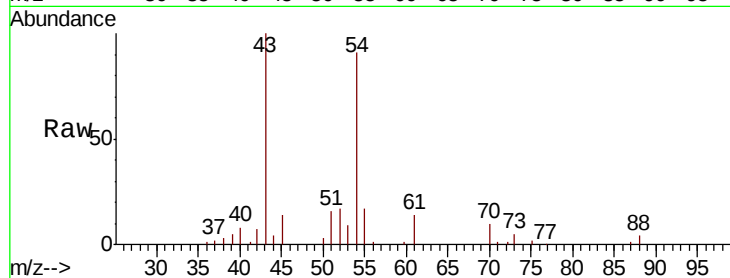
Tot Ion: 43 Resp: 36001

Ion Ratio Lower Upper

43 100

61 14.7 11.1 16.7

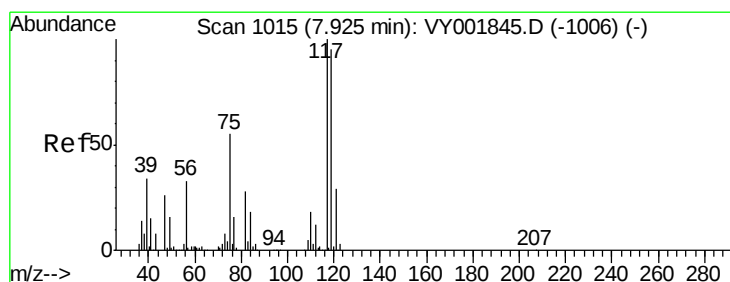
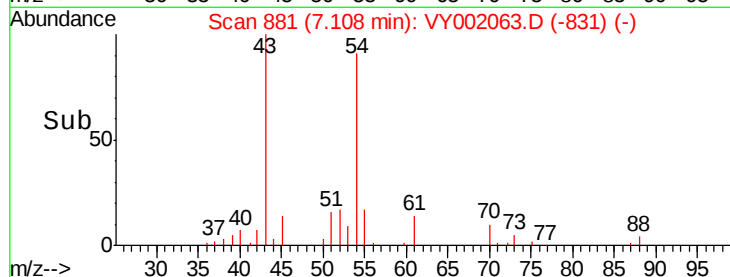
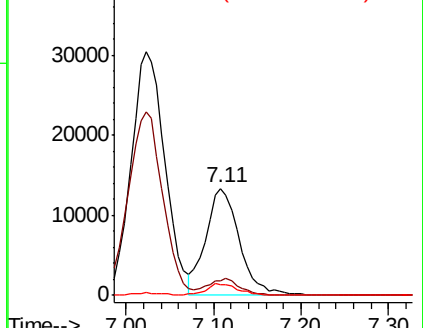
70 10.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-874) (-)

Ion 60.90 (60.60 to 61.60): VY001845.D (-874) (-)

Ion 70.00 (69.70 to 70.70): VY001845.D (-874) (-)



#38

Carbon Tetrachloride

Concen: 20.109 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

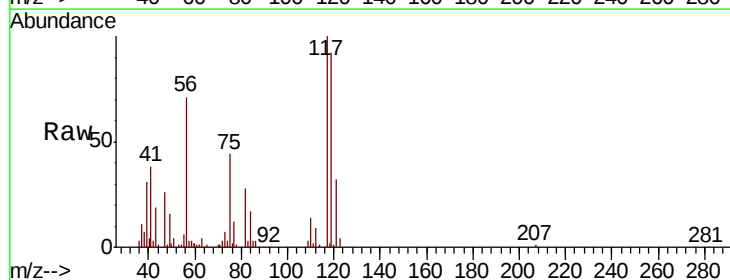
Tgt Ion: 117 Resp: 46764

Ion Ratio Lower Upper

117 100

119 92.3 76.3 114.5

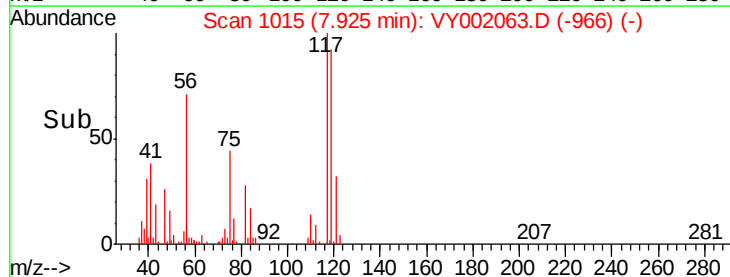
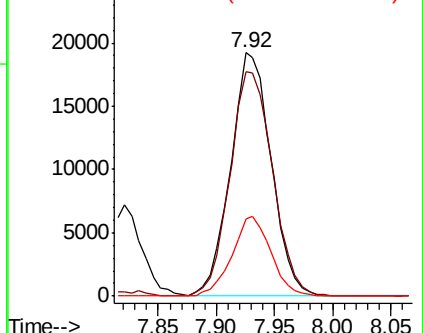
121 31.7 23.5 35.3

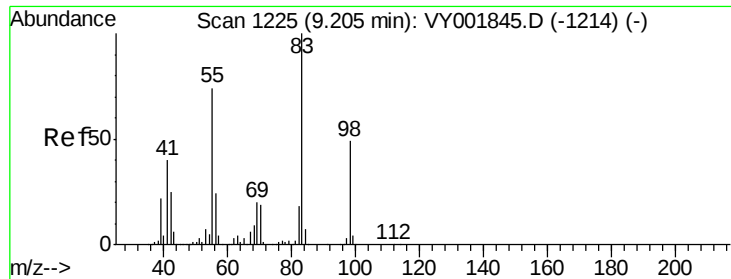


Abundance Ion 116.80 (116.50 to 117.50): VY001845.D (-1006) (-)

Ion 118.80 (118.50 to 119.50): VY001845.D (-1006) (-)

Ion 120.80 (120.50 to 121.50): VY001845.D (-1006) (-)

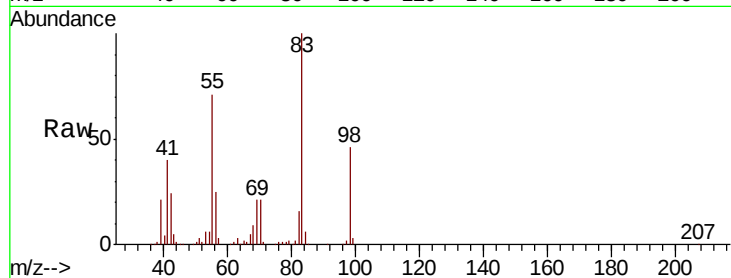




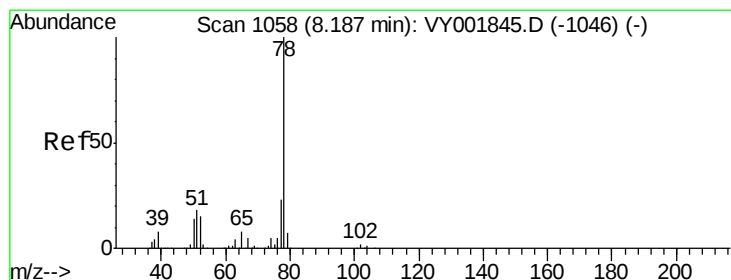
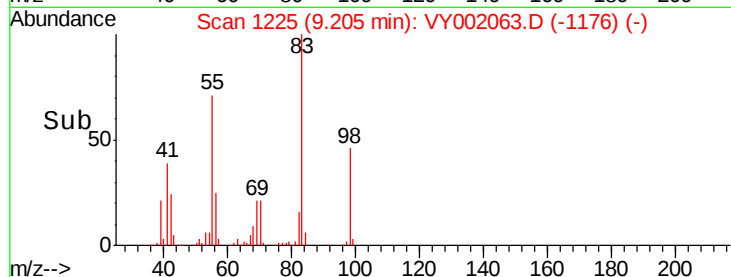
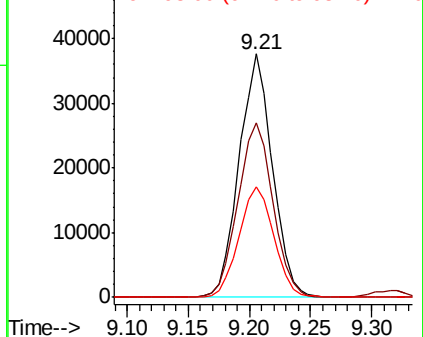
#39
Methvlcvclohexane
Concen: 19.714 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 71180
Ion Ratio Lower Upper
83 100
55 71.4 59.4 89.0
98 45.6 38.9 58.3

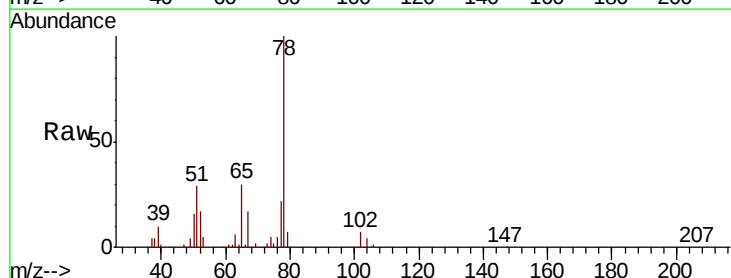


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

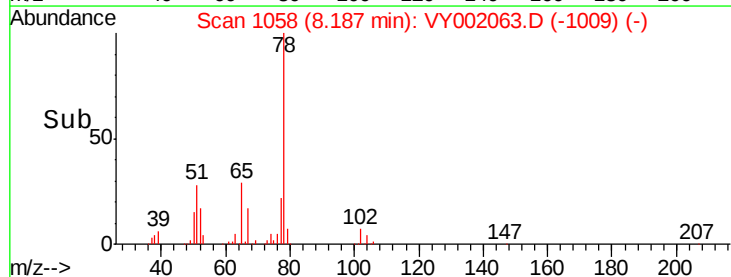
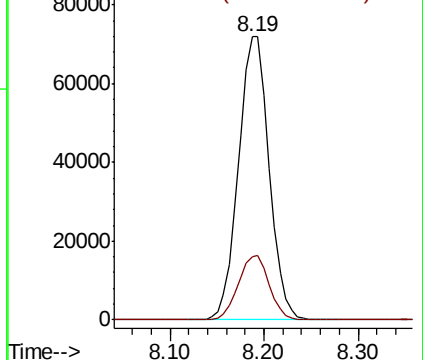


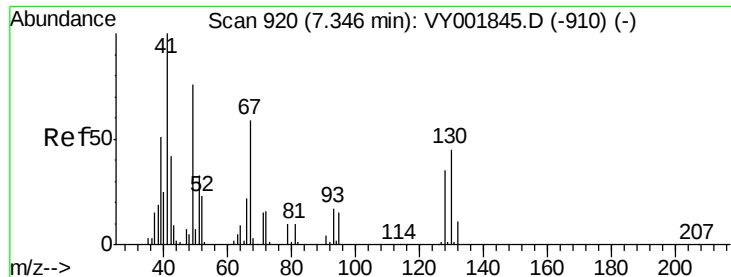
#40
Benzene
Concen: 20.205 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 78 Resp: 163027
Ion Ratio Lower Upper
78 100
77 22.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

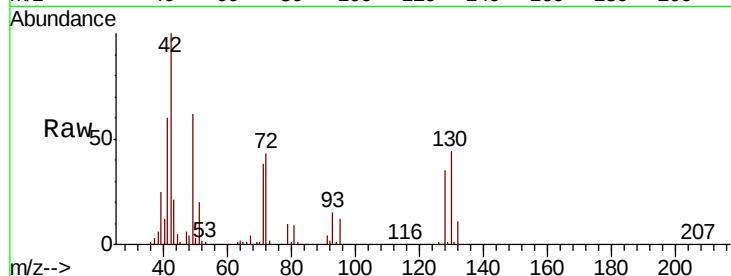




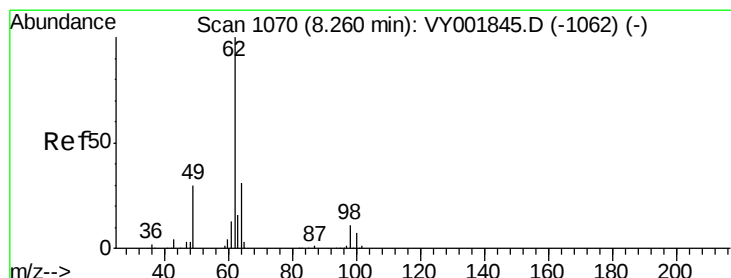
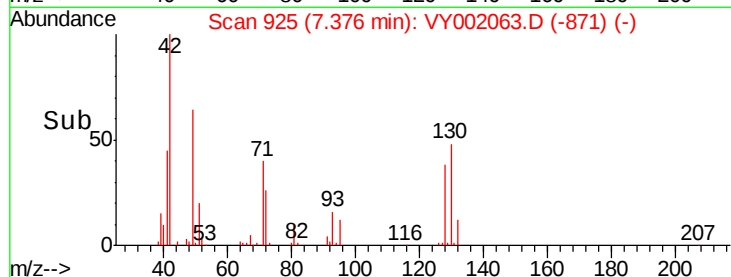
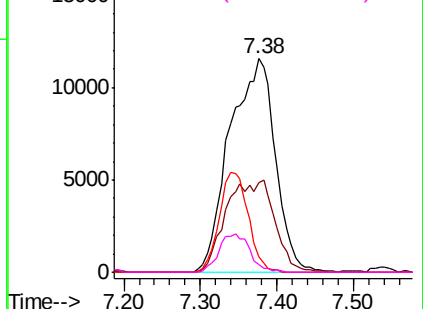
#41
Methacrylonitrile
Concen: 67.048 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 47741
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

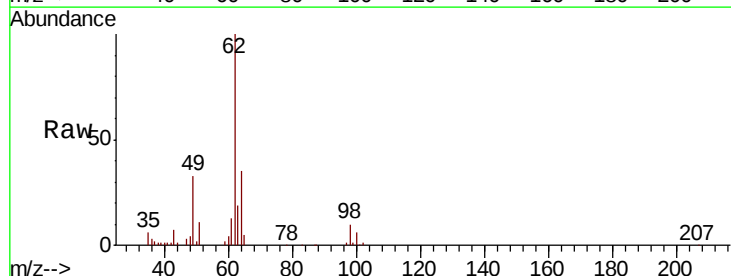


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

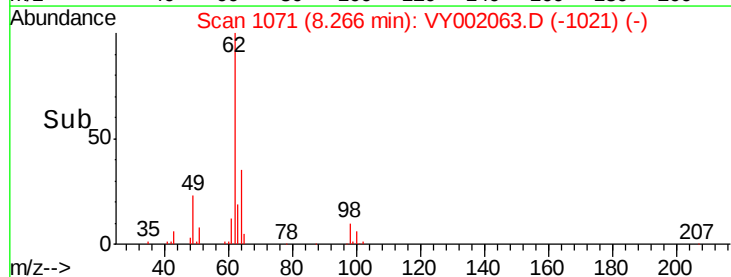
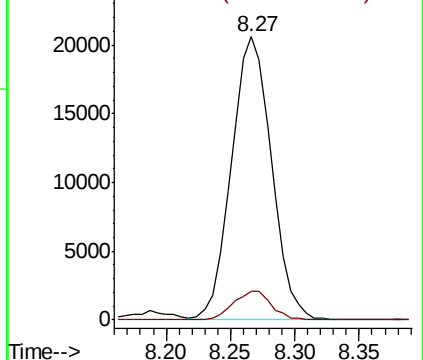


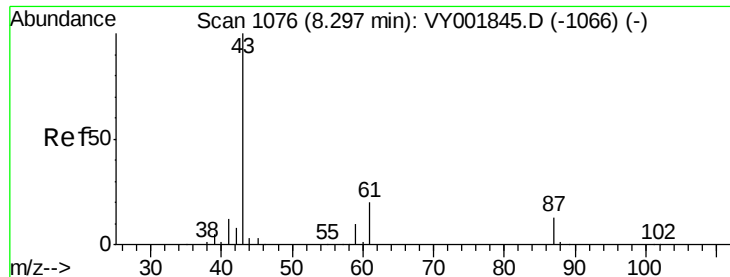
#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 62 Resp: 44494
Ion Ratio Lower Upper
62 100
98 9.6 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: 21.717 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

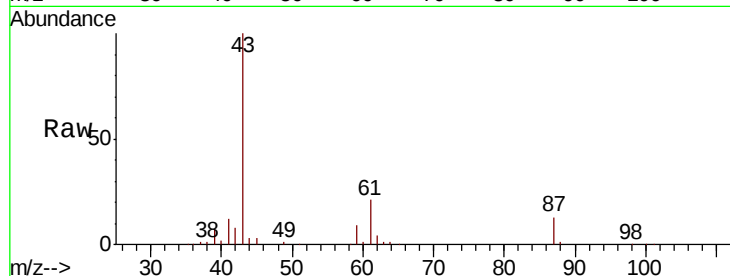
Tot Ion: 43 Resp: 65054

Ion Ratio Lower Upper

43 100

61 28.6 23.8 35.6

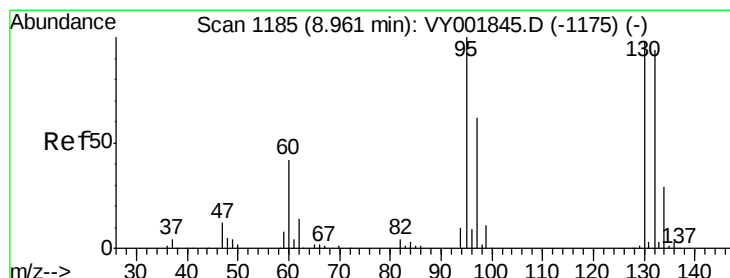
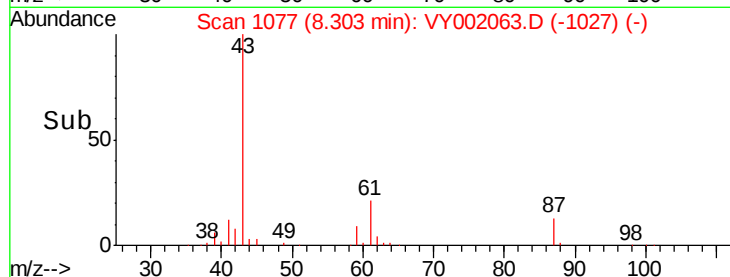
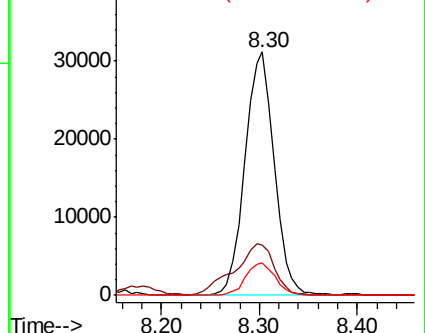
87 13.6 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1066) (-)

Ion 61.00 (60.70 to 61.70): VY001845.D (-1066) (-)

Ion 87.00 (86.70 to 87.70): VY001845.D (-1066) (-)



#44

Trichloroethene

Concen: 19.944 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VY002063.D

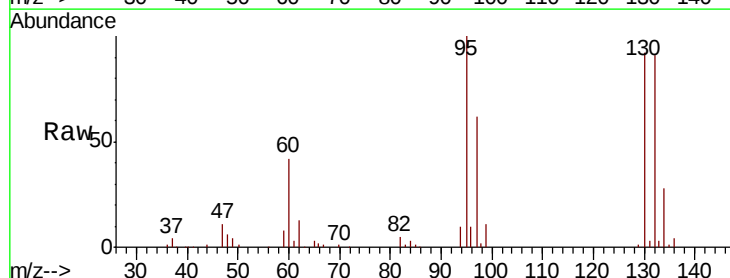
Acq: 25 Mar 2020 13:53

Tgt Ion:130 Resp: 39191

Ion Ratio Lower Upper

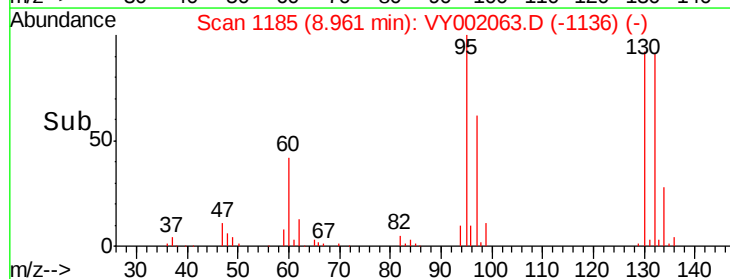
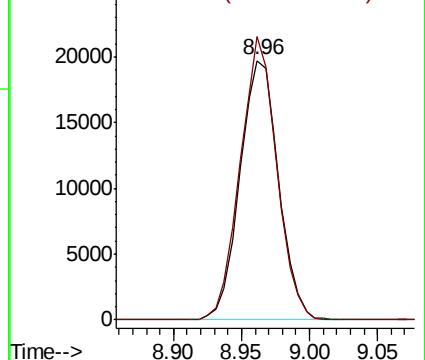
130 100

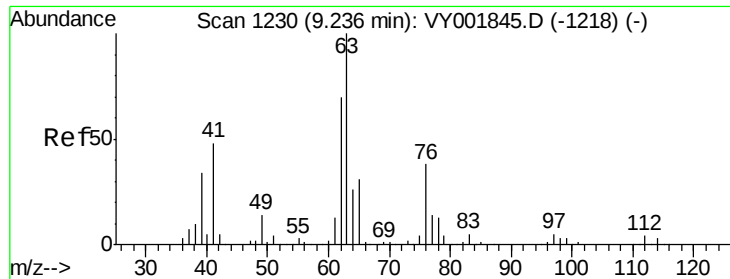
95 109.0 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): VY001845.D (-1175) (-)

Ion 94.90 (94.60 to 95.60): VY001845.D (-1175) (-)

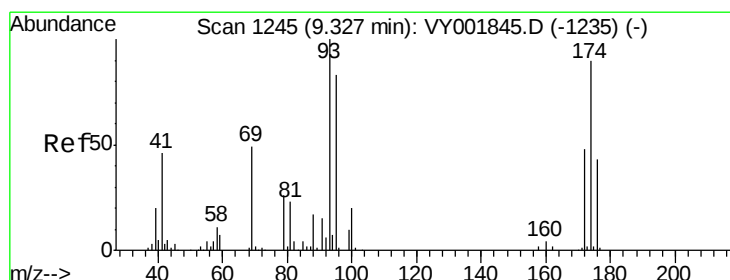
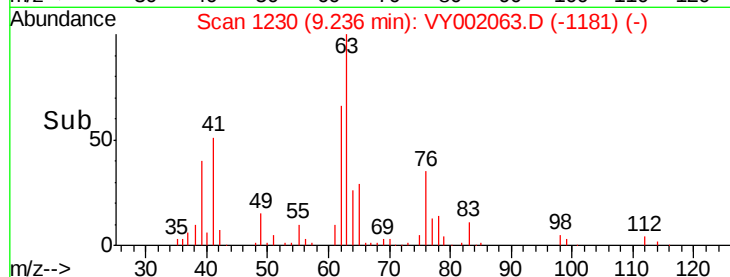
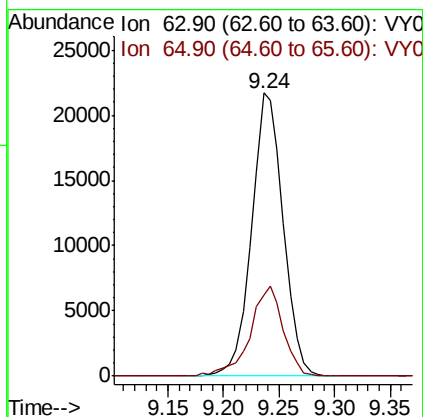
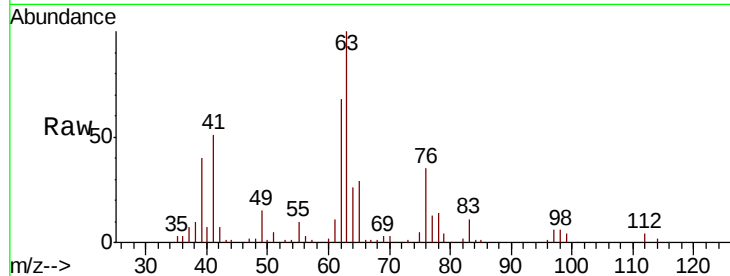




#45
 1,2-Dichloropropane
 Concen: 21.050 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

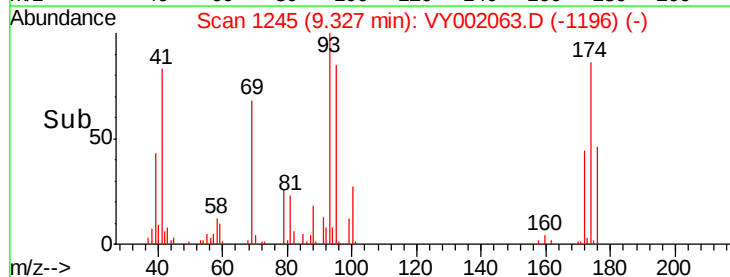
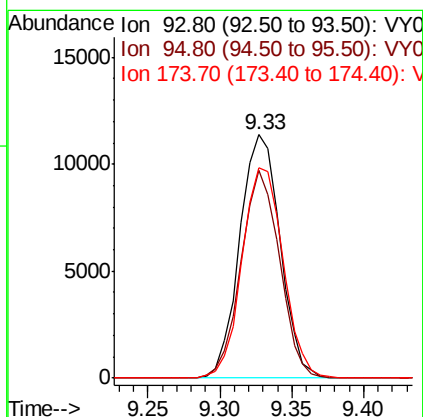
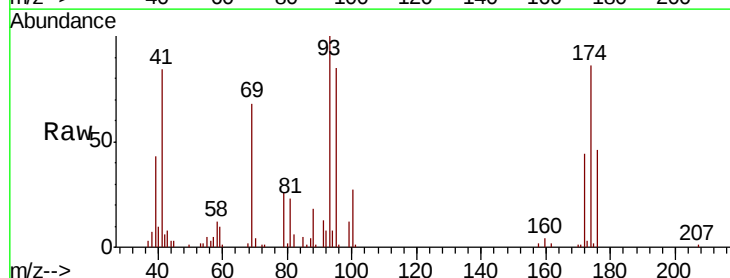
Instrument :
 MSVOA_Y
 ClientSampled :

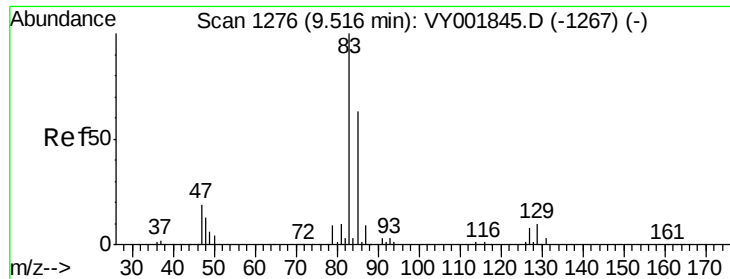
Tot Ion: 63 Resp: 42697
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.9 37.3



#46
 Dibromomethane
 Concen: 21.138 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 93 Resp: 22095
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.0 100.4
 174 87.7 71.8 107.8





#47

Bromodichloromethane

Concen: 21.048 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

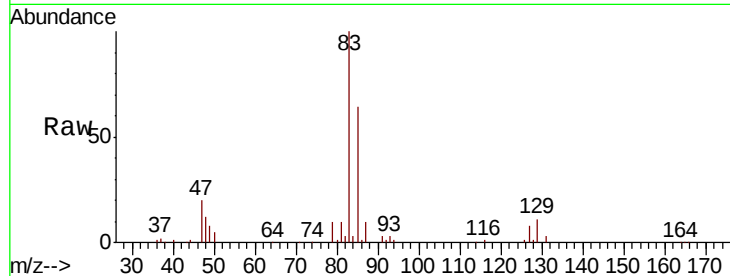
Tot Ion: 83 Resp: 51177

Ion Ratio Lower Upper

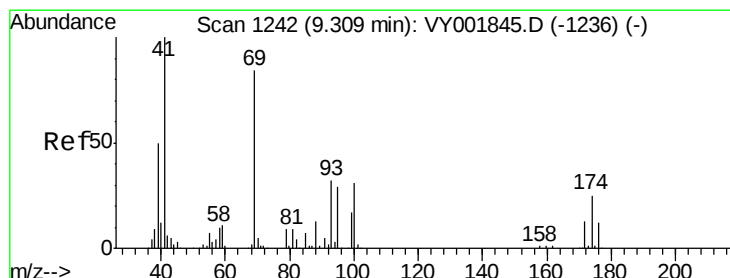
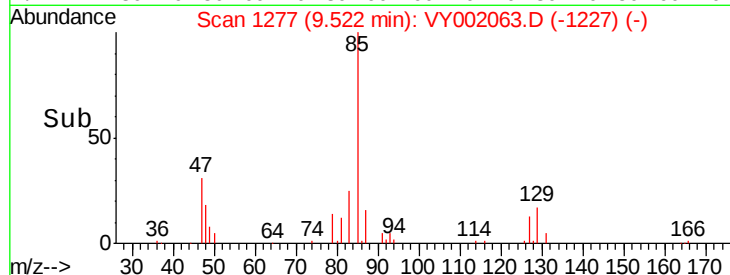
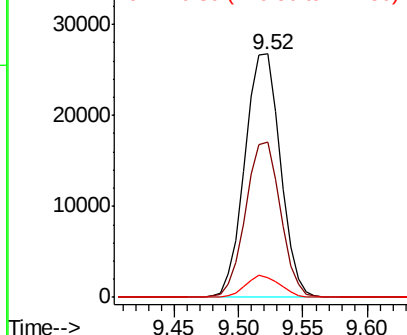
83 100

85 63.9 50.6 76.0

127 8.1 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: 22.721 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

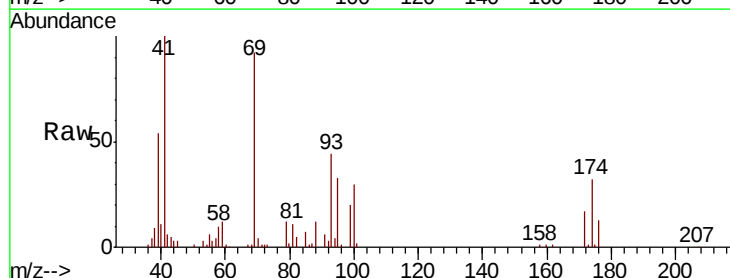
Tgt Ion: 41 Resp: 30201

Ion Ratio Lower Upper

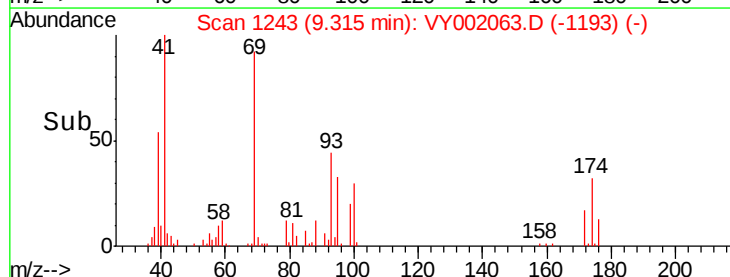
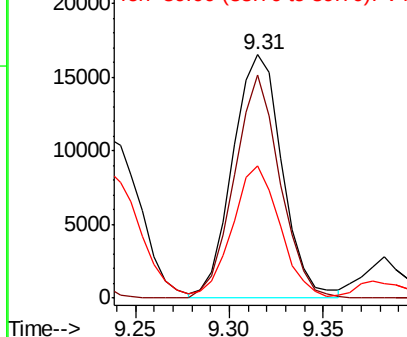
41 100

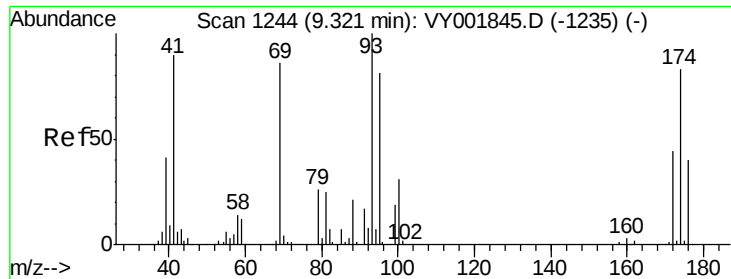
69 84.5 69.0 103.6

39 52.1 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: 402.162 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

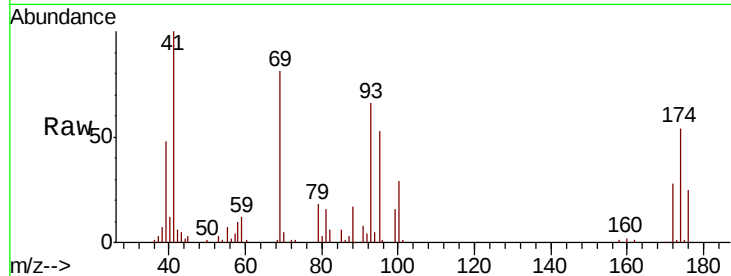
Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 5760

Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.0	37.6
58	69.8	58.9	88.3

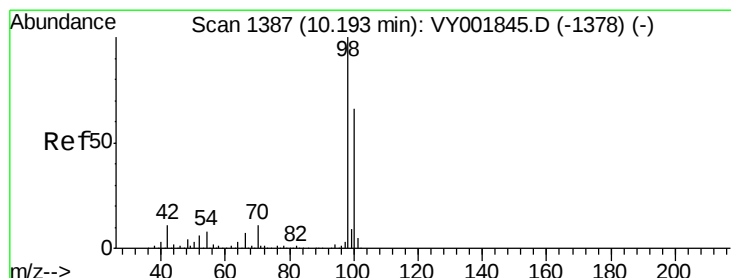
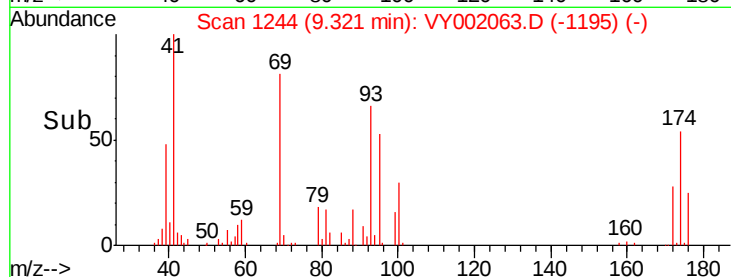
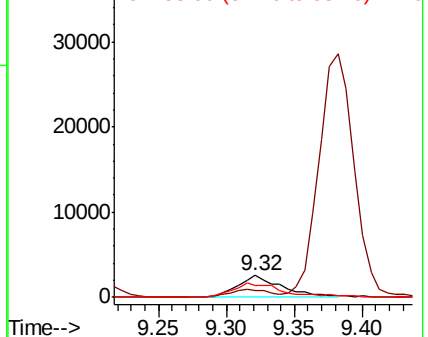


Abundance

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: 47.793 ug/l

RT: 10.20 min Scan# 1388

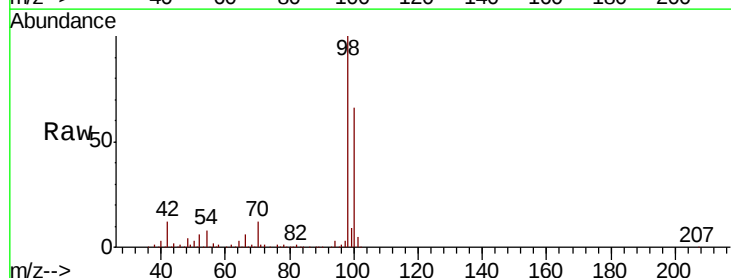
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion: 98 Resp: 311312

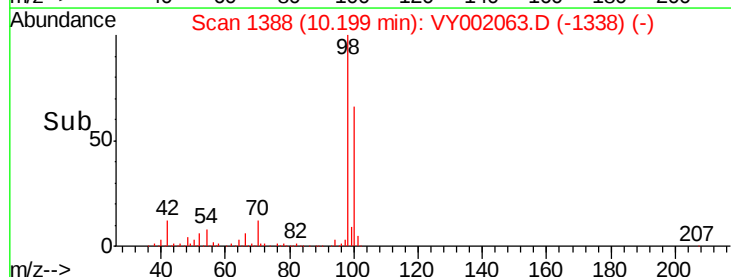
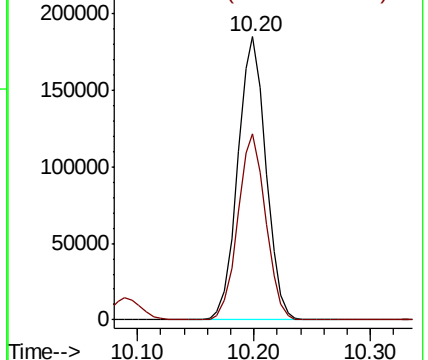
Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.0	79.4

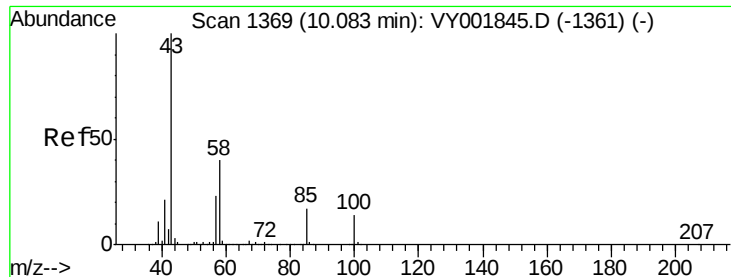


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 112.569 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

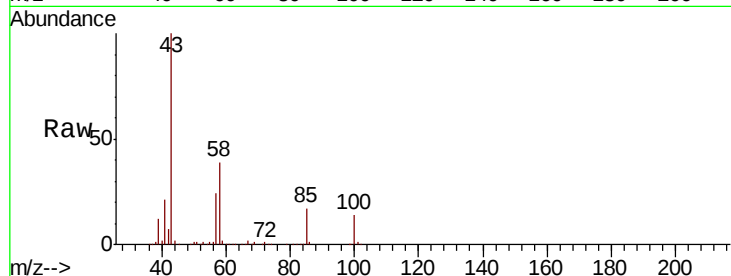
ClientSampled :

Tot Ion: 43 Resp: 173682

Ion Ratio Lower Upper

43 100

58 39.6 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.09

120000

100000

80000

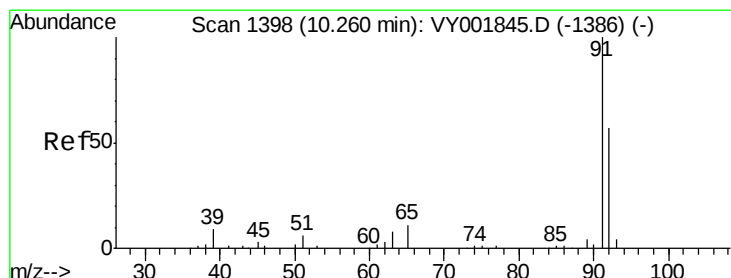
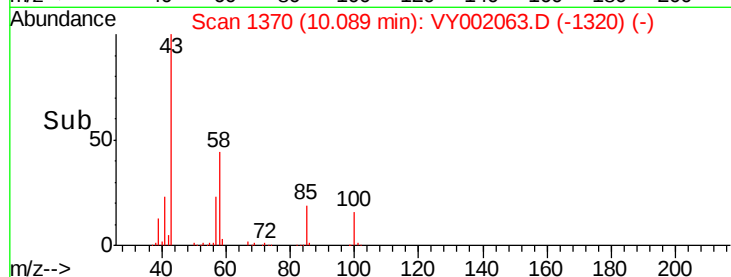
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.351 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY002063.D

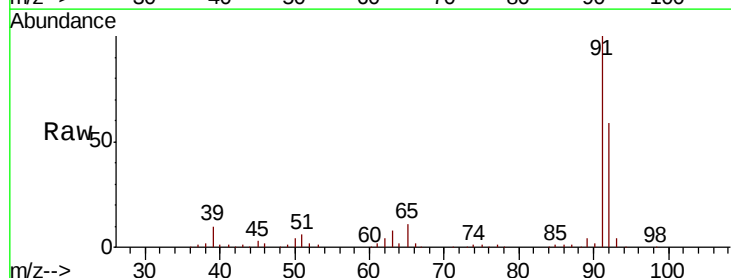
Acq: 25 Mar 2020 13:53

Tgt Ion: 92 Resp: 99752

Ion Ratio Lower Upper

92 100

91 172.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)

10.26

100000

80000

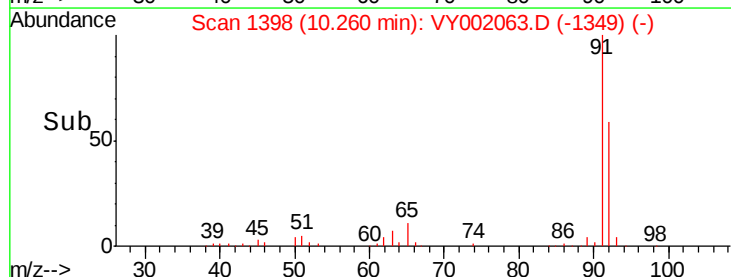
60000

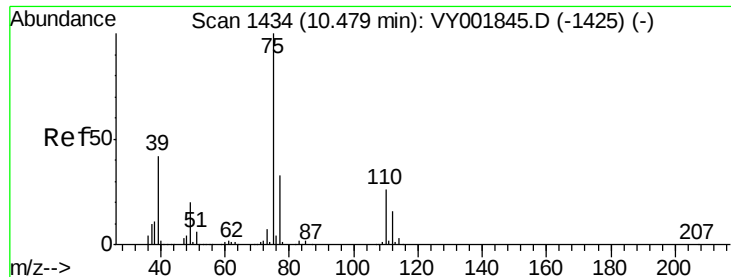
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.084 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

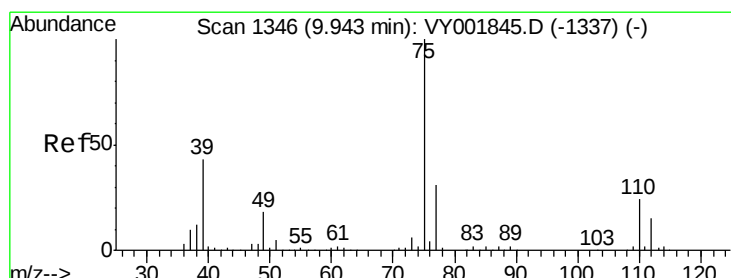
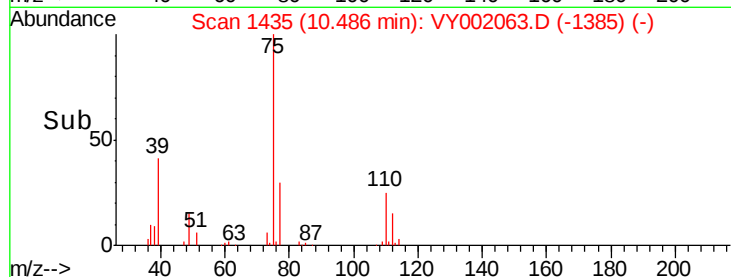
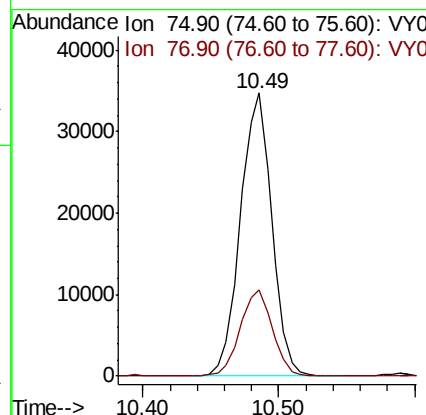
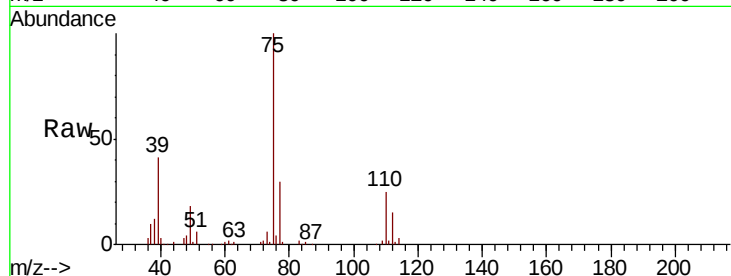
ClientSampleId :

Tot Ion: 75 Resp: 55853

Ion Ratio Lower Upper

75 100

77 30.3 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 20.578 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

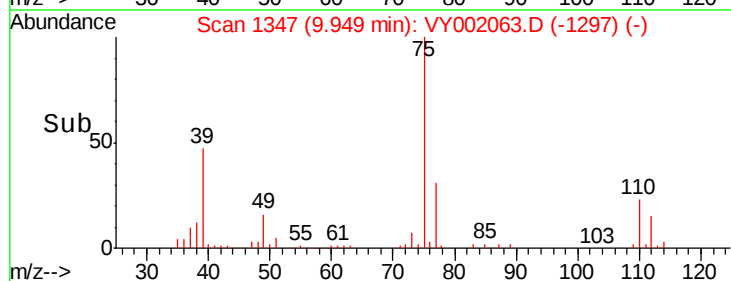
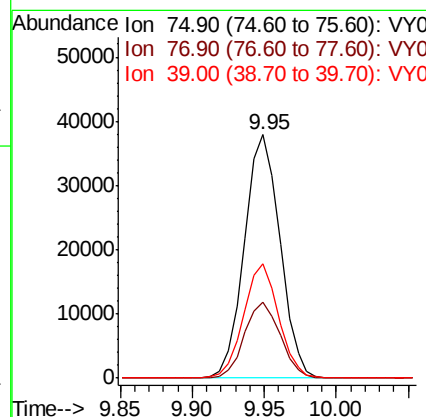
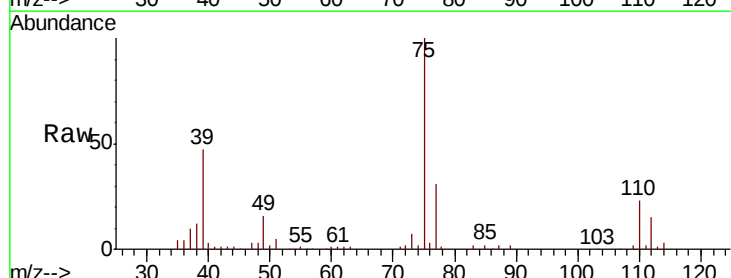
Tgt Ion: 75 Resp: 64893

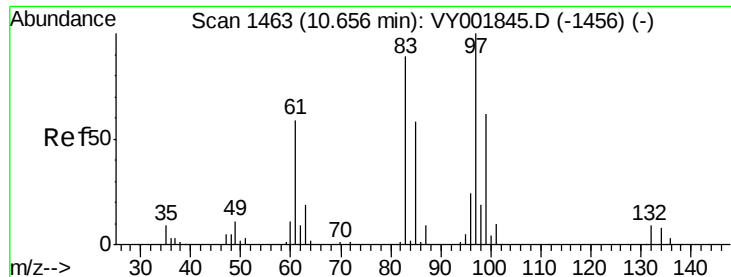
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 47.1 34.7 52.1

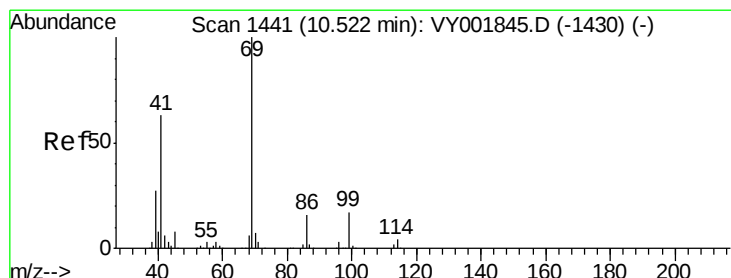
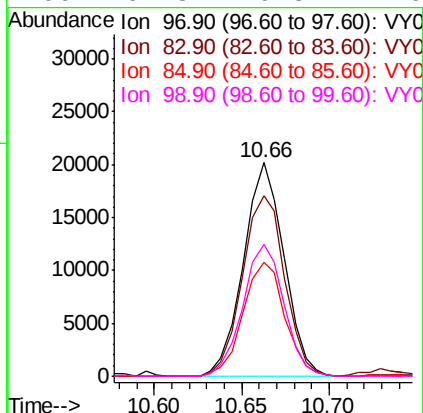
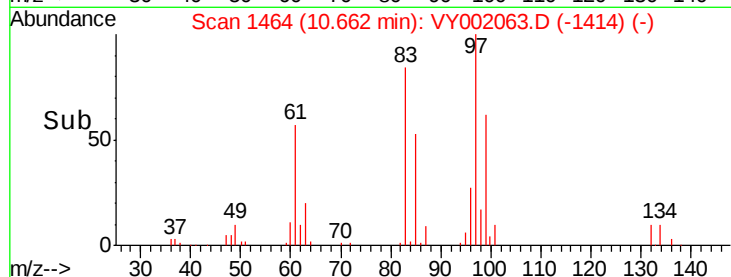
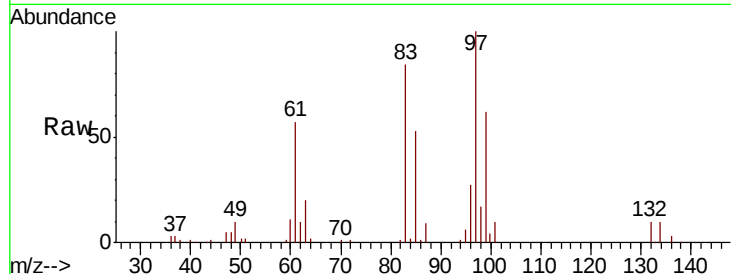




#55
 1,1,2-Trichloroethane
 Concen: 21.254 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

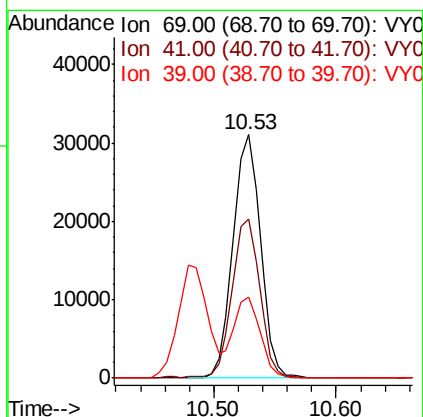
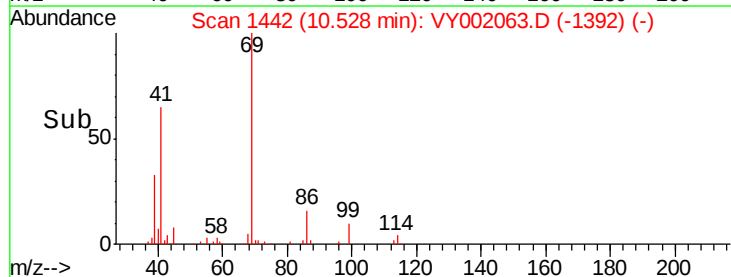
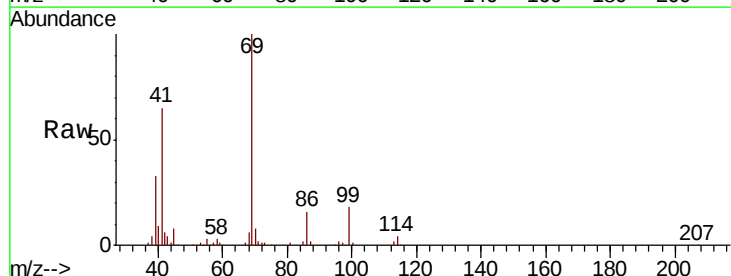
Instrument :
 MSVOA_Y
 ClientSampleId :

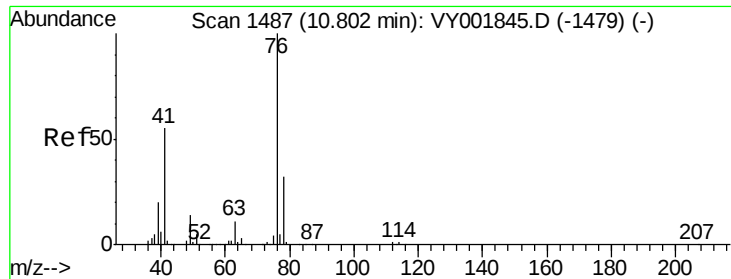
Tot Ion: 97 Resp: 32513
 Ion Ratio Lower Upper
 97 100
 83 84.4 71.6 107.4
 85 53.3 46.6 69.8
 99 61.8 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 21.548 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 69 Resp: 48314
 Ion Ratio Lower Upper
 69 100
 41 65.3 49.9 74.9
 39 33.4 23.0 34.6





#57

1,3-Dichloropropane

Concen: 21.071 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

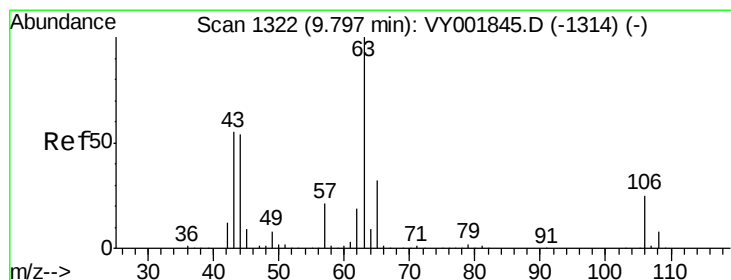
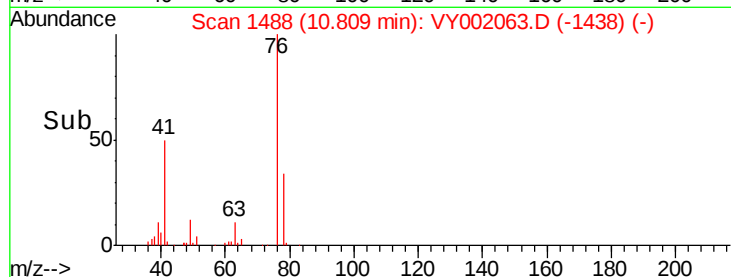
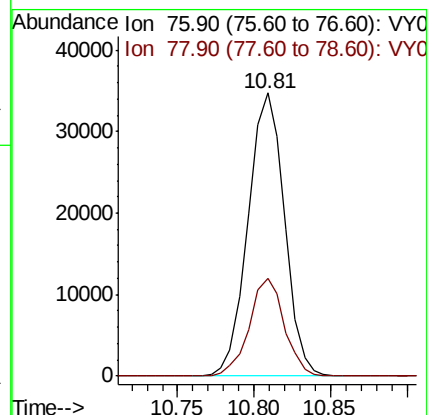
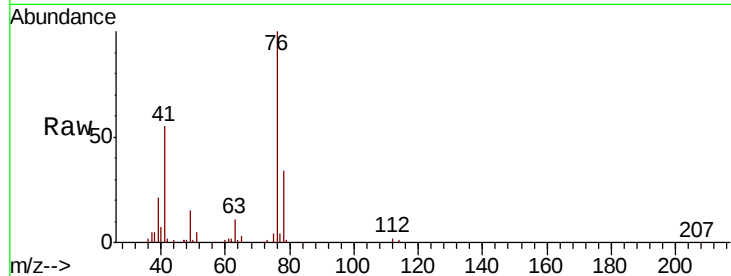
ClientSampleId :

Tot Ion: 76 Resp: 57455

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 154.557 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002063.D

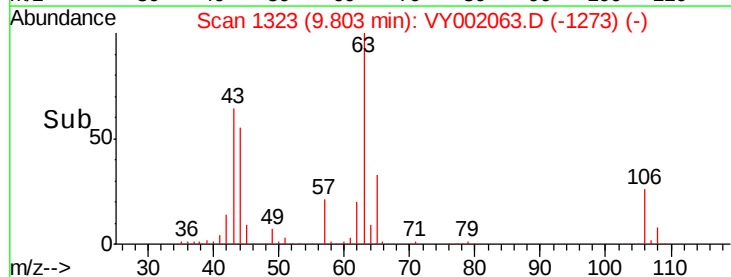
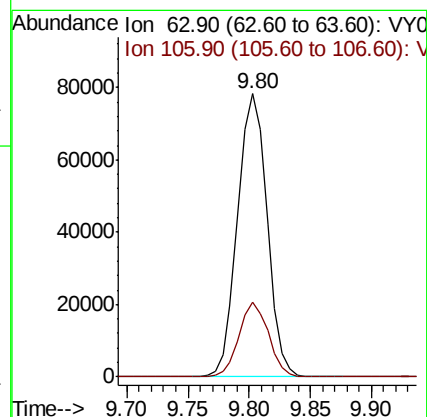
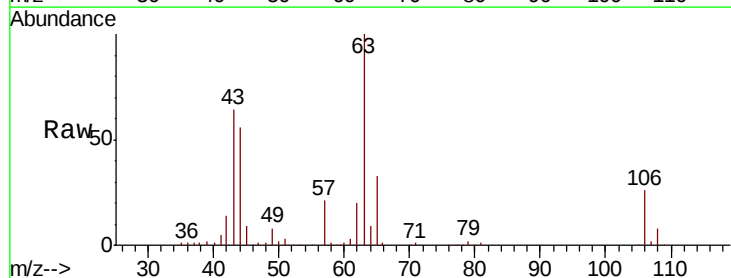
Acq: 25 Mar 2020 13:53

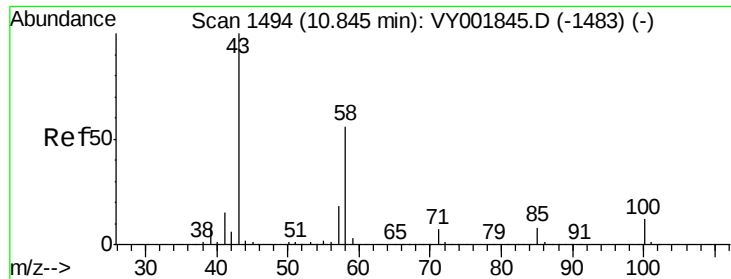
Tgt Ion: 63 Resp: 130764

Ion Ratio Lower Upper

63 100

106 26.2 21.3 31.9

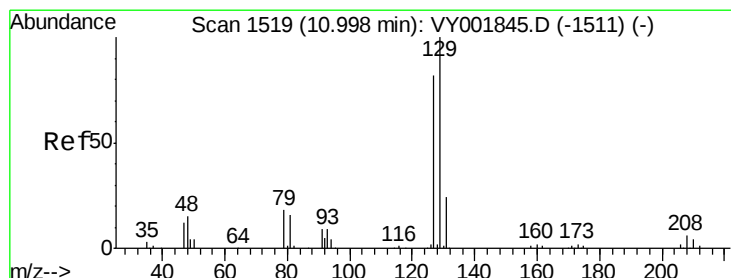
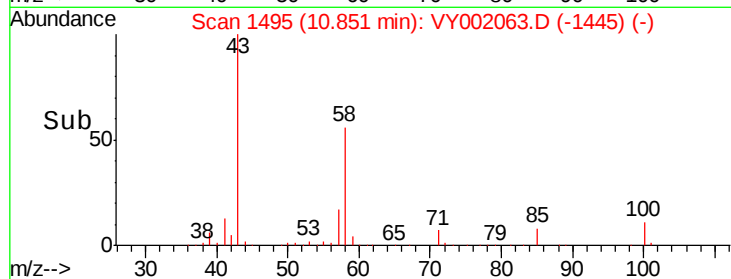
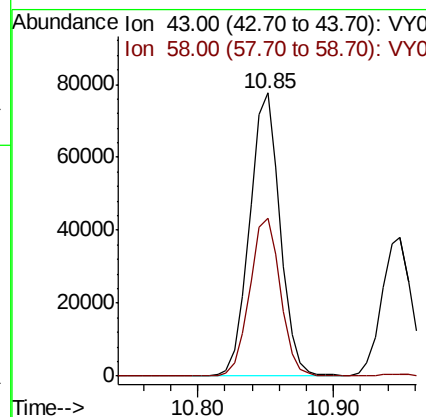
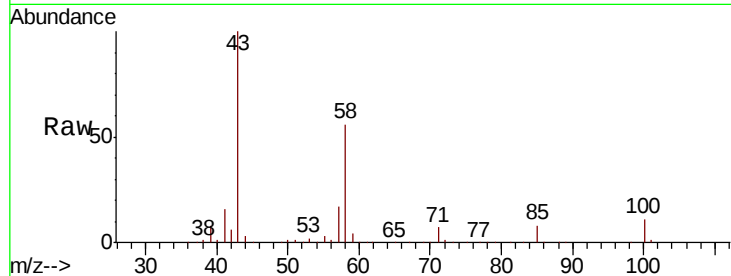




#59
2-Hexanone
Concen: 110.582 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

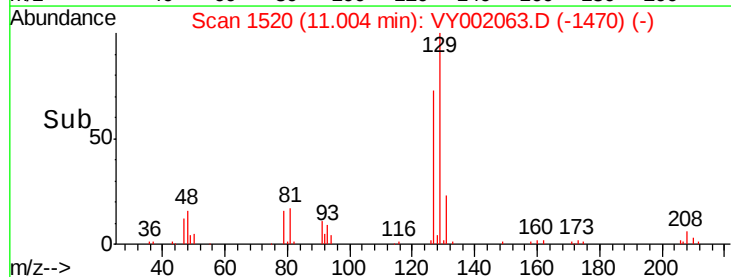
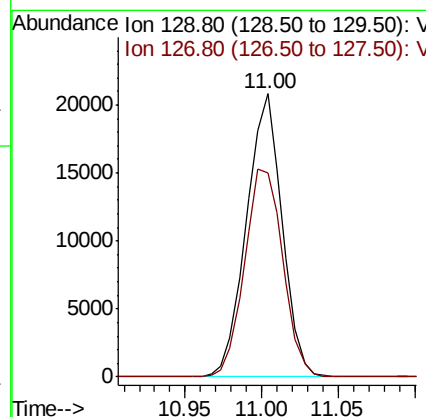
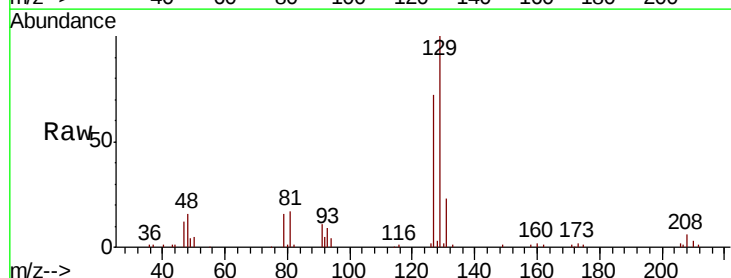
Instrument :
MSVOA_Y
ClientSampled :

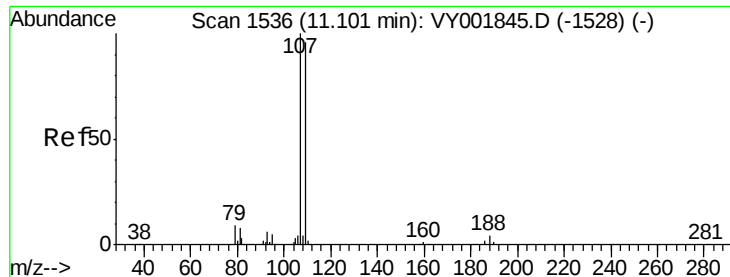
Tot Ion: 43 Resp: 121778
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3



#60
Dibromochloromethane
Concen: 20.862 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion:129 Resp: 33628
Ion Ratio Lower Upper
129 100
127 78.9 39.0 117.0

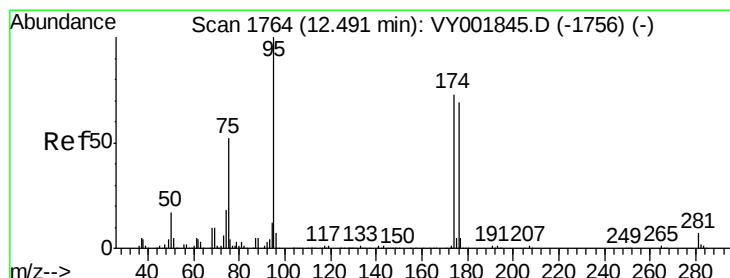
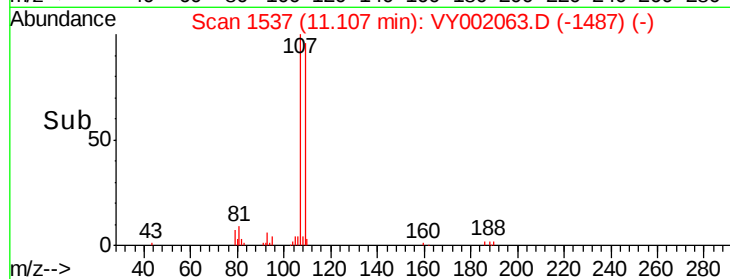
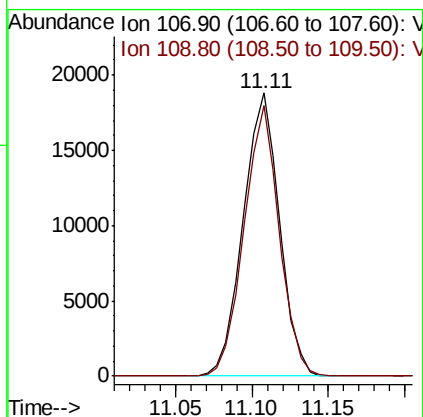
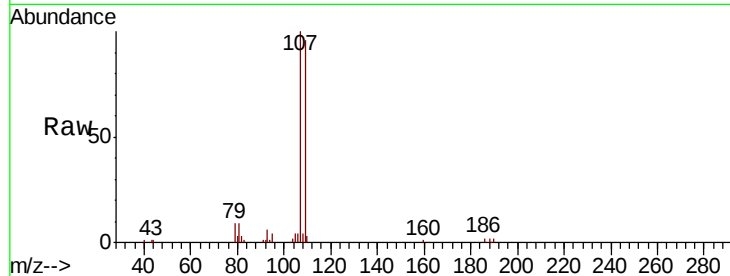




#61
 1,2-Dibromoethane
 Concen: 21.363 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

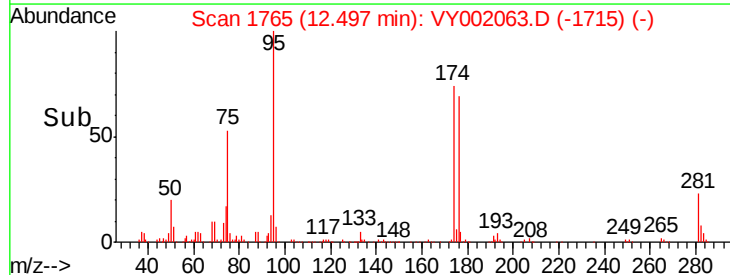
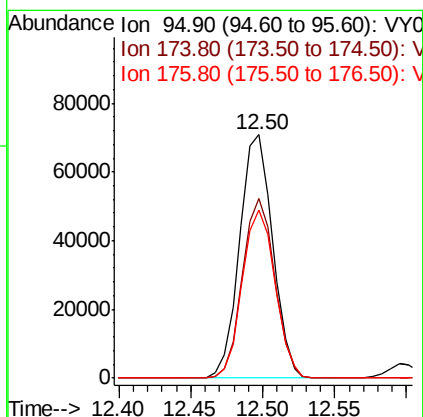
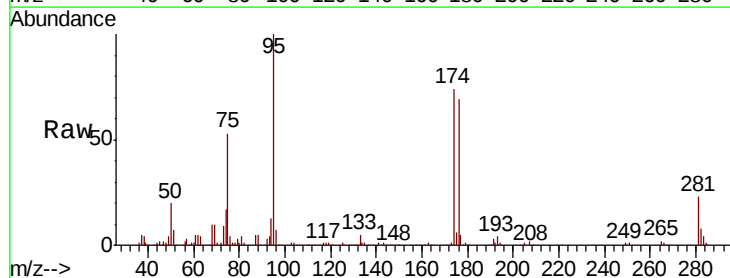
Instrument :
 MSVOA_Y
 ClientSampleId :

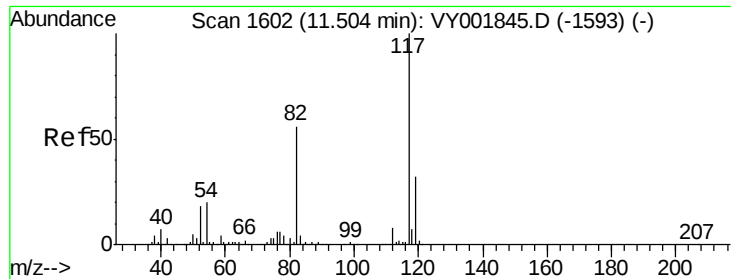
Tot Ion: 107 Resp: 30956
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.696 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 95 Resp: 112557
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 145.0
 176 68.8 0.0 137.4

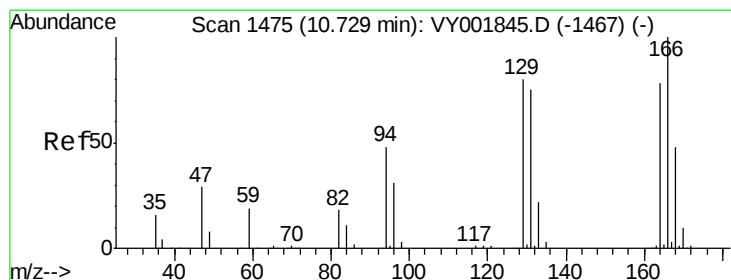
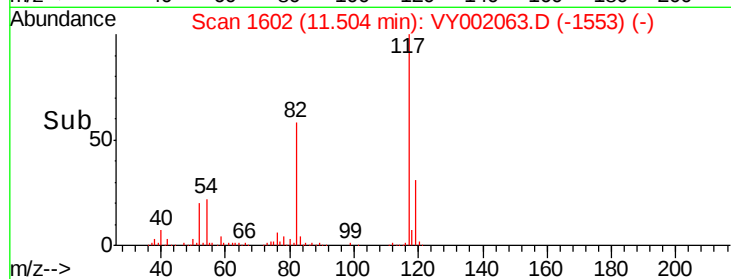
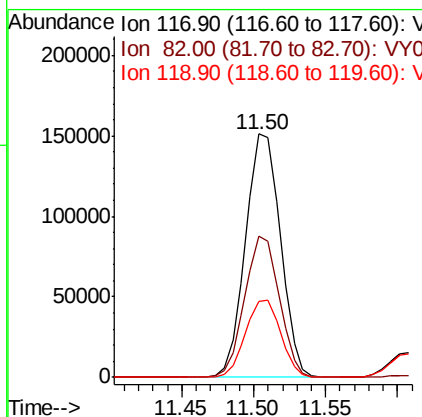
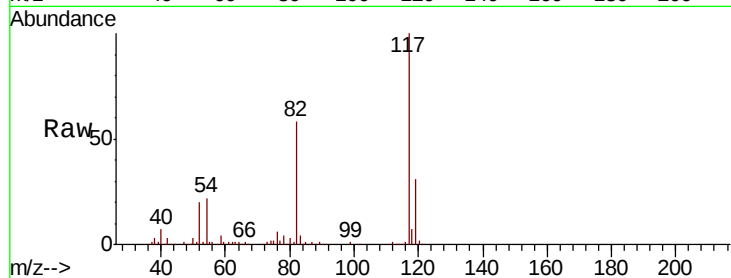




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

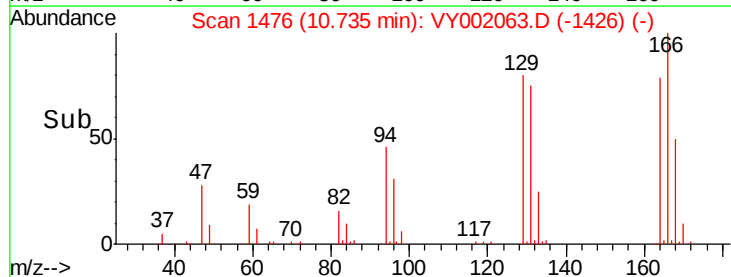
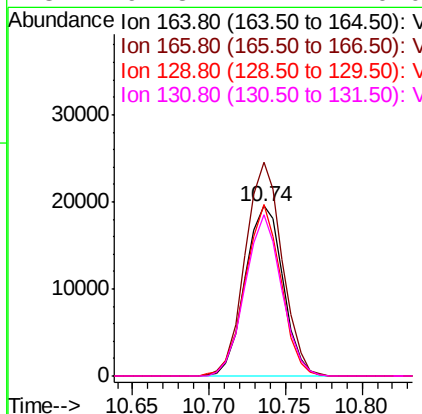
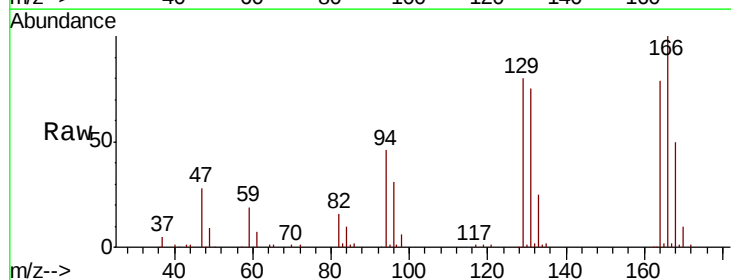
Instrument :
MSVOA_Y
ClientSampleId :

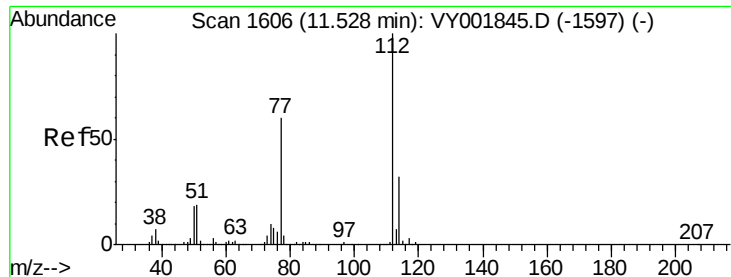
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.5	66.7
119	31.3	25.7	38.5



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.6	154.0
129	100.8	82.3	123.5
131	94.8	77.4	116.0

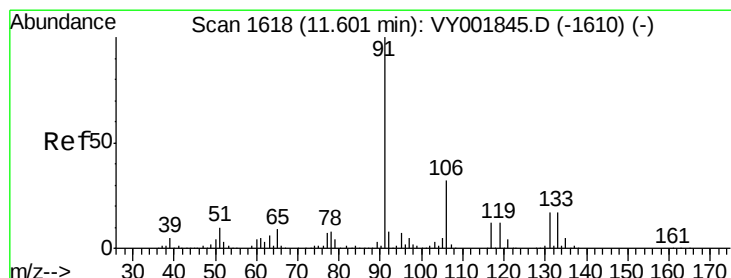
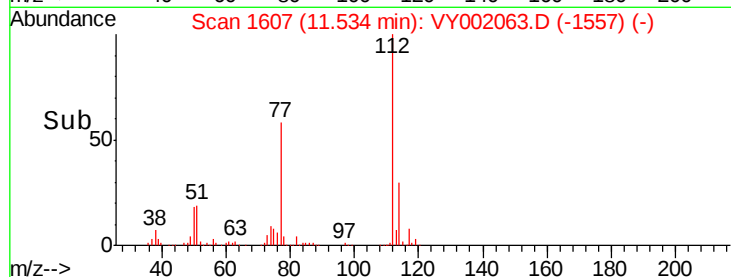
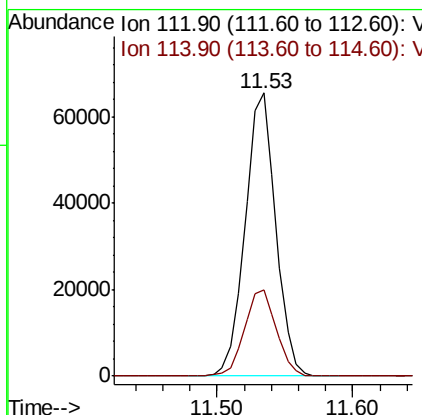
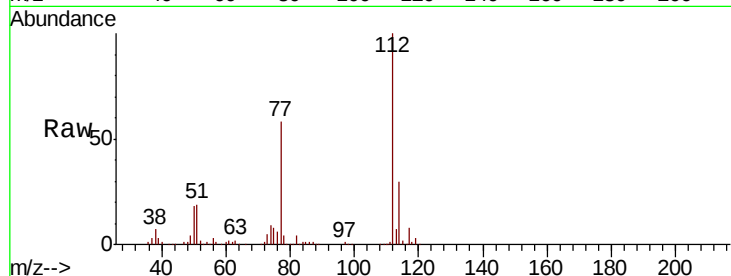




#65
Chlorobenzene
Concen: 20.269 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

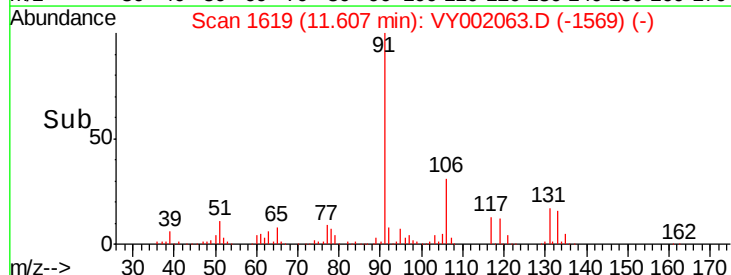
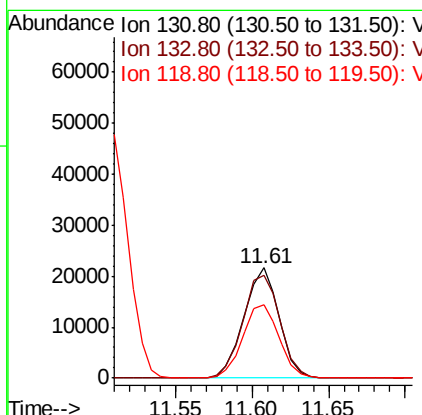
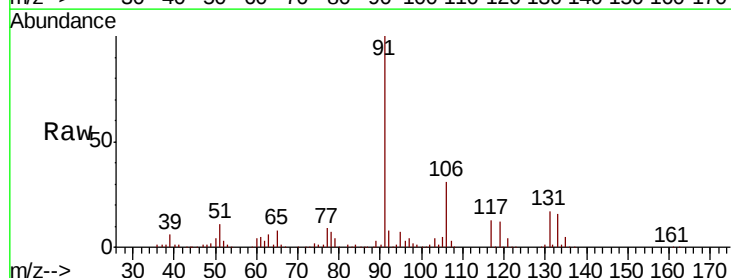
Instrument :
MSVOA_Y
ClientSampled :

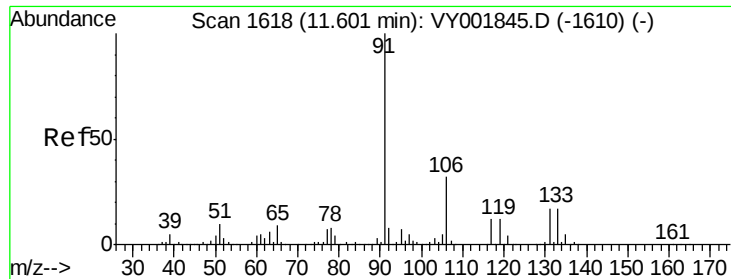
Tot Ion:112 Resp: 102705
Ion Ratio Lower Upper
112 100
114 30.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.691 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion:131 Resp: 34382
Ion Ratio Lower Upper
131 100
133 99.1 47.1 141.3
119 69.1 34.5 103.6

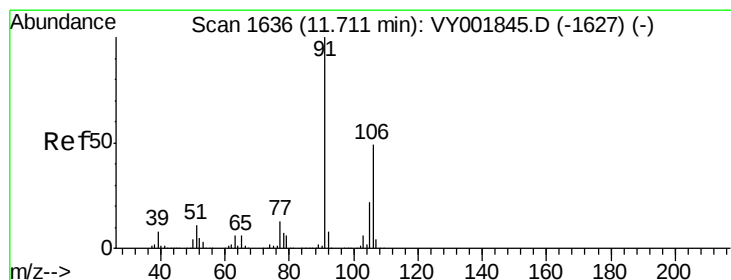
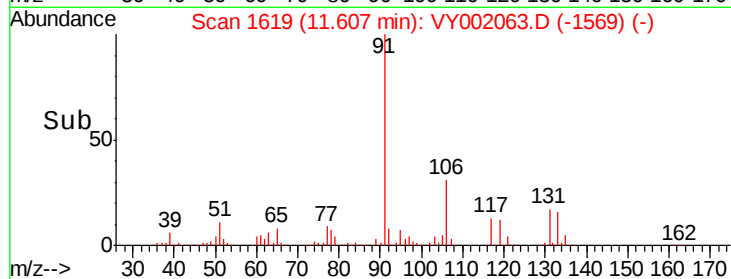
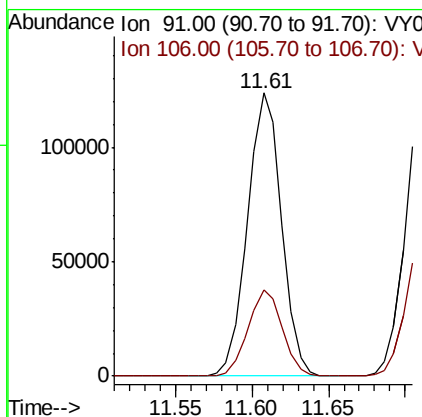
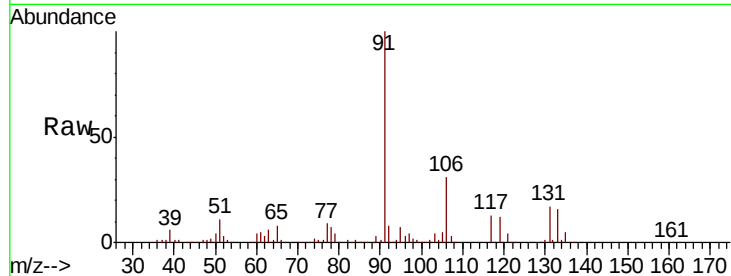




#67
Ethyl Benzene
Concen: 20.246 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

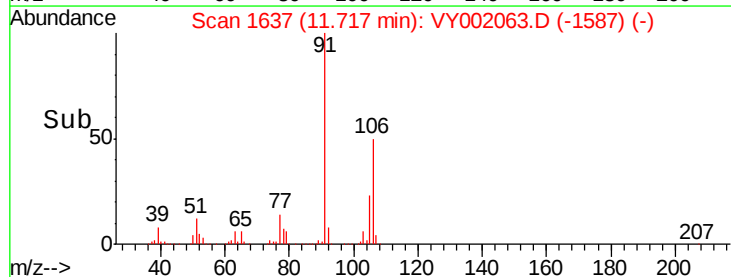
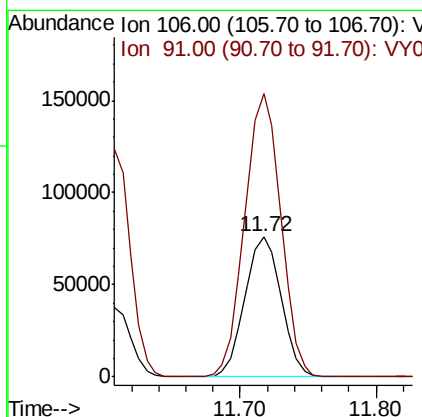
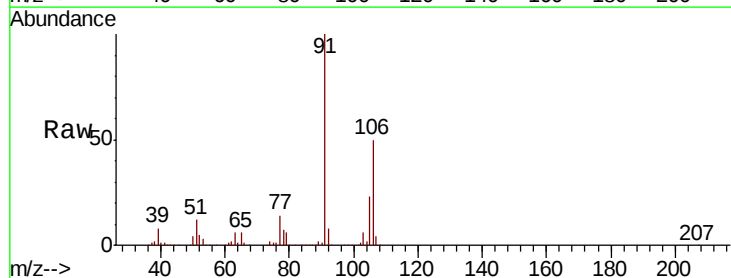
Instrument :
MSVOA_Y
ClientSampleId :

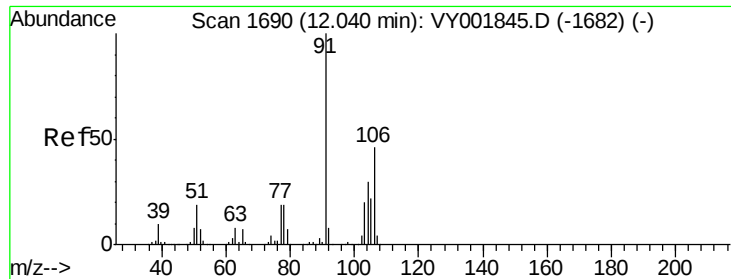
Tot Ion: 91 Resp: 191329
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 40.732 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 106 Resp: 142312
Ion Ratio Lower Upper
106 100
91 201.8 161.3 241.9

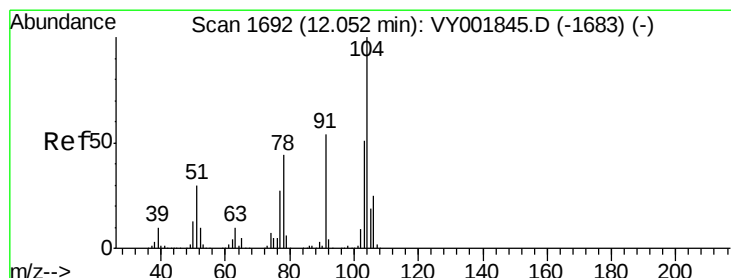
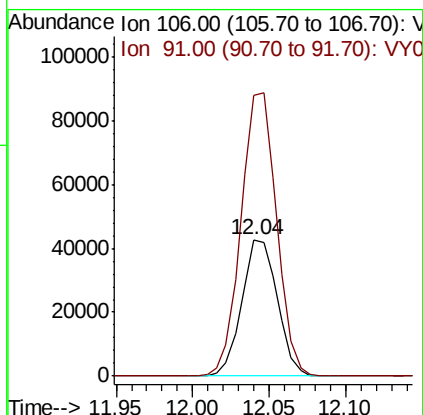
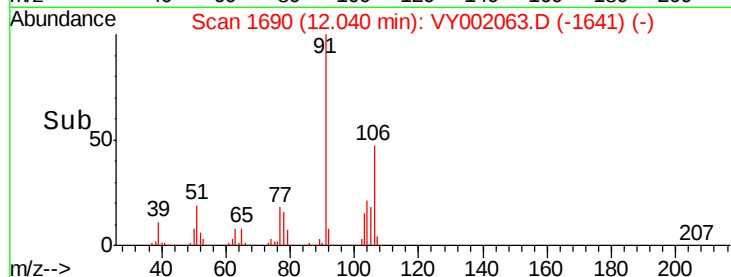
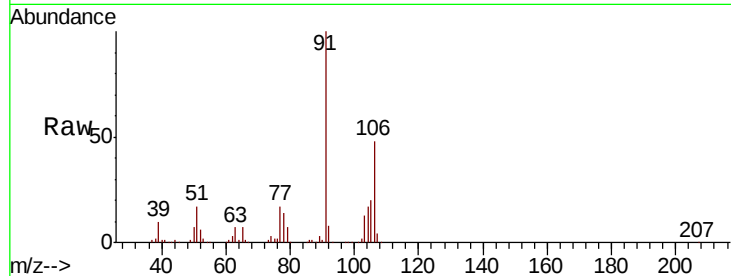




#69
o-Xylene
Concen: 20.899 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

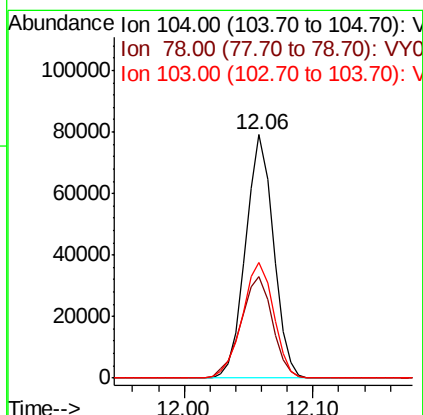
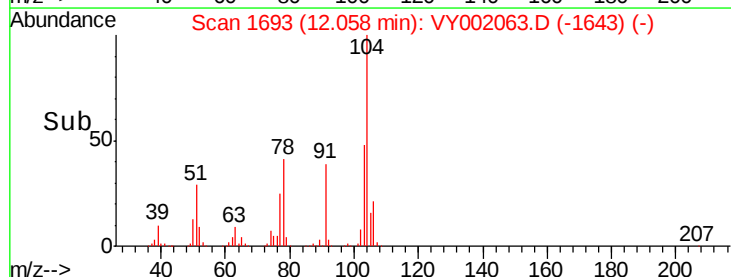
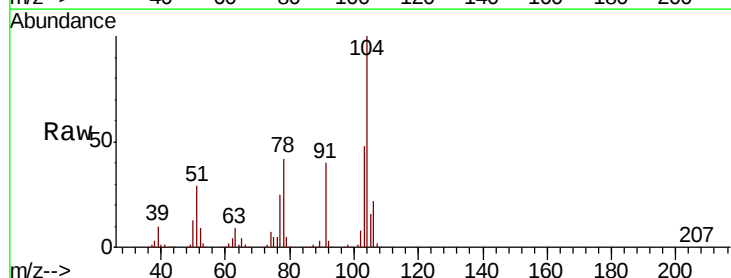
Instrument :
MSVOA_Y
ClientSampled :

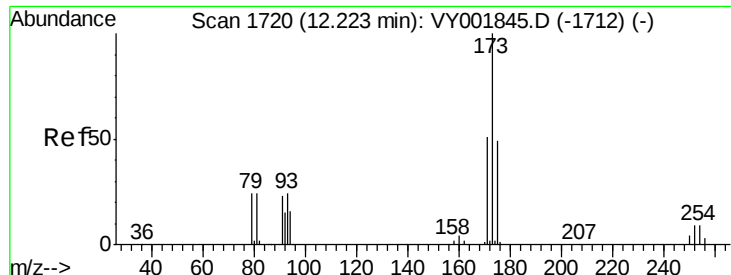
Tot Ion:106 Resp: 68820
Ion Ratio Lower Upper
106 100
91 208.0 106.8 320.4



#70
Styrene
Concen: 20.933 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion:104 Resp: 118066
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 53.6 42.9 64.3

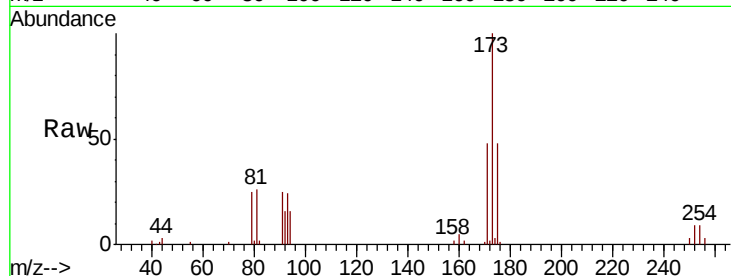




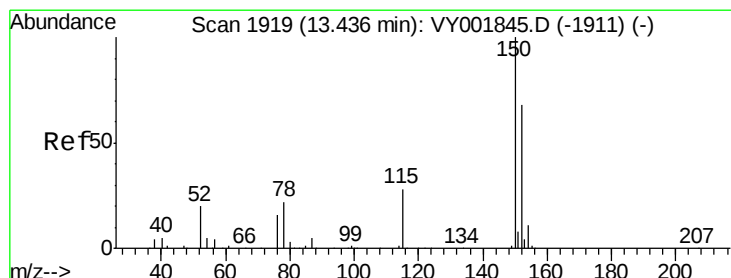
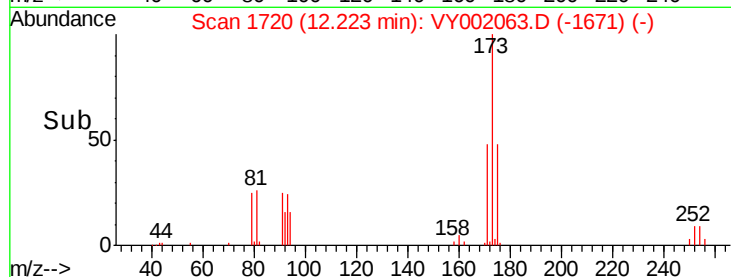
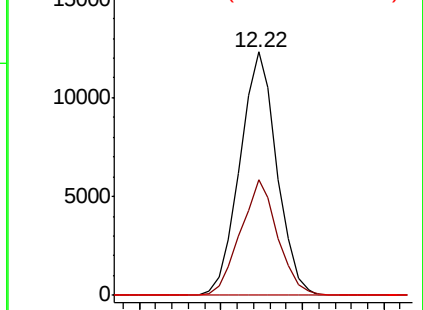
#71
Bromoform
Concen: 21.493 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:173 Resp: 19369
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.8
254 0.0 0.0 0.0

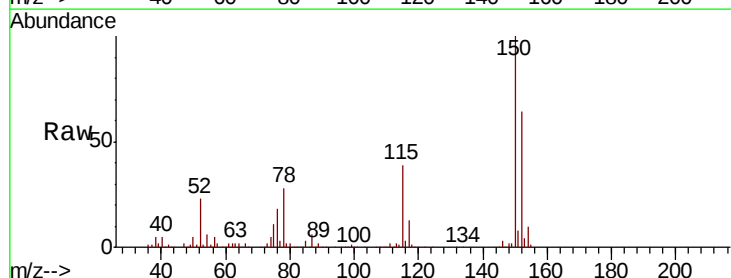


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

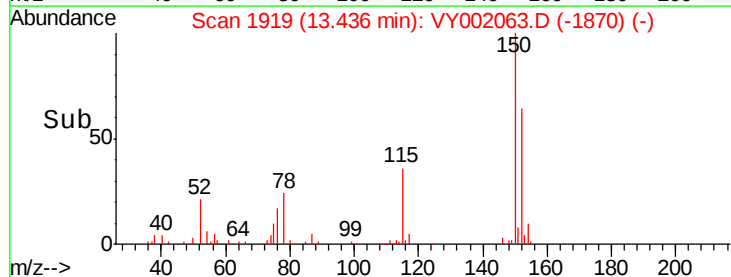
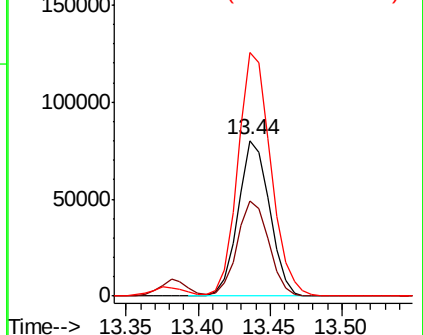


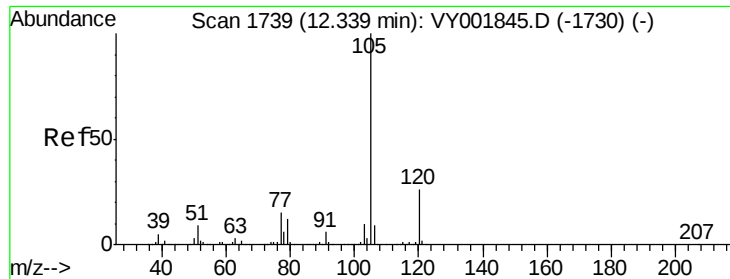
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion:152 Resp: 121697
Ion Ratio Lower Upper
152 100
115 61.2 29.9 89.7
150 163.5 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: 19.402 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

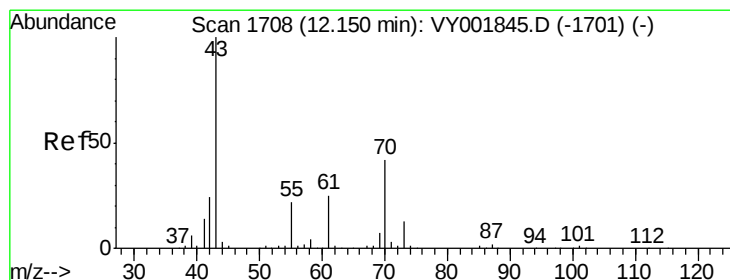
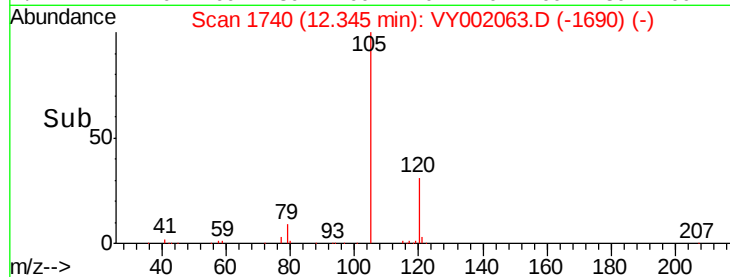
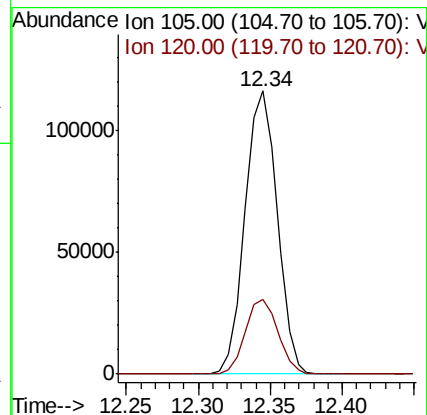
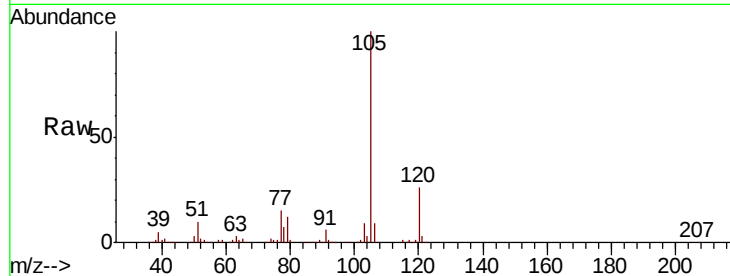
ClientSampleId :

Tot Ion:105 Resp: 180247

Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.3



#74

N-ethyl acetate

Concen: 21.233 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion: 43 Resp: 60625

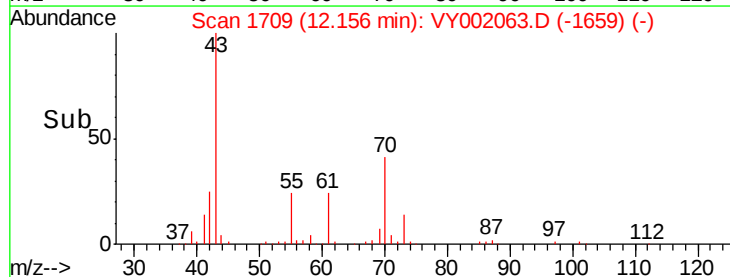
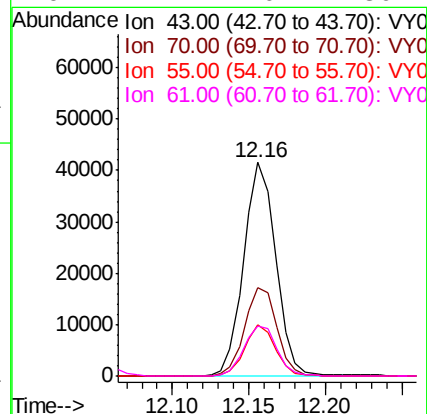
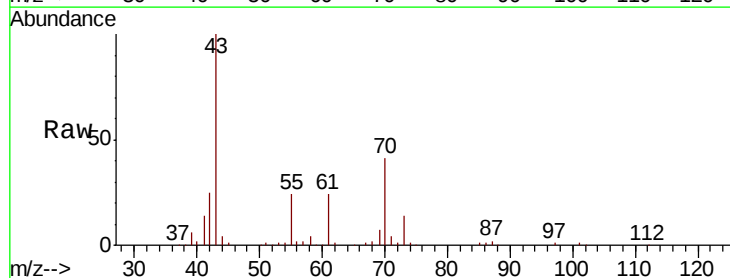
Ion Ratio Lower Upper

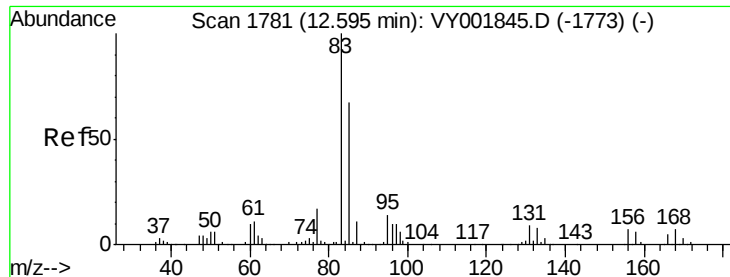
43 100

70 41.8 34.7 52.1

55 23.0 18.2 27.4

61 24.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.405 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

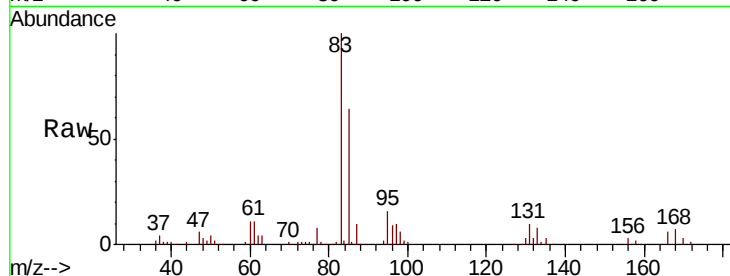
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 83 Resp: 40878

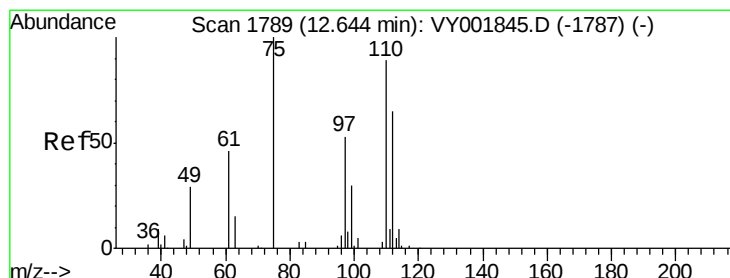
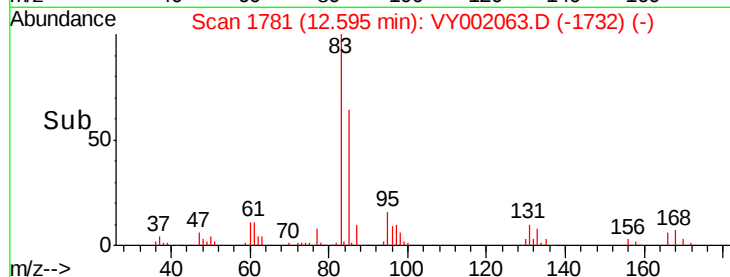
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	64.0	32.1	96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 37.041 ug/l

RT: 12.65 min Scan# 1790

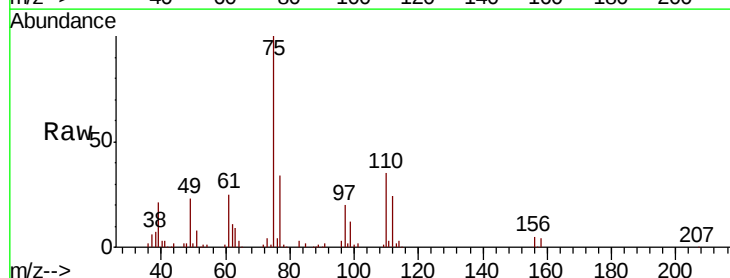
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

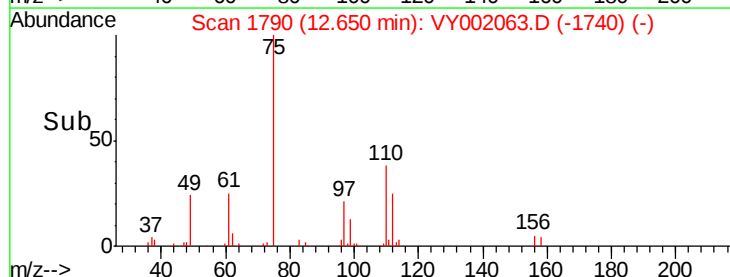
Tgt Ion: 75 Resp: 53488

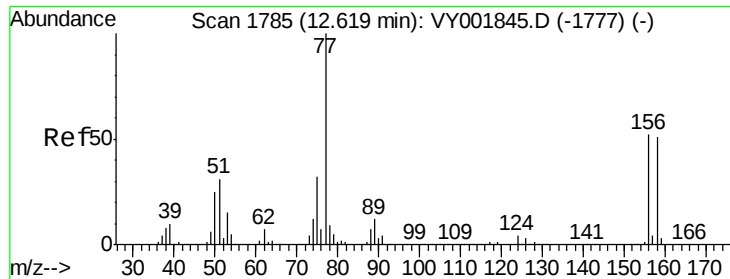
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.090 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

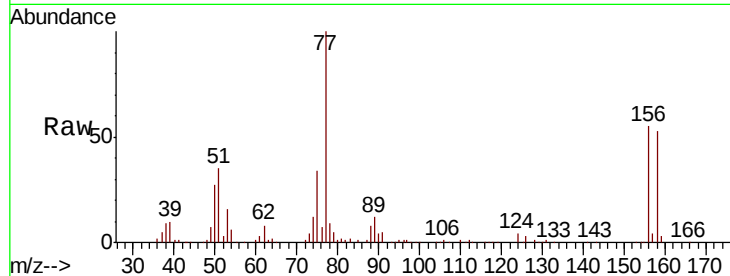
Tot Ion:156 Resp: 39543

Ion Ratio Lower Upper

156 100

77 215.8 109.0 327.0

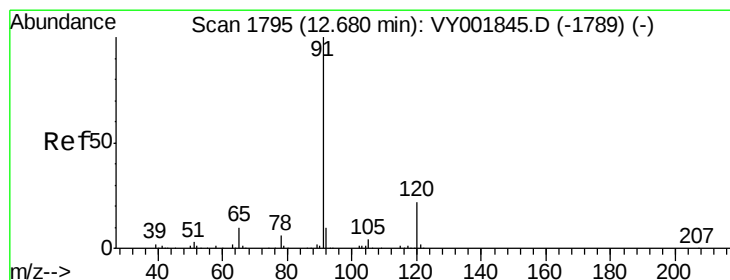
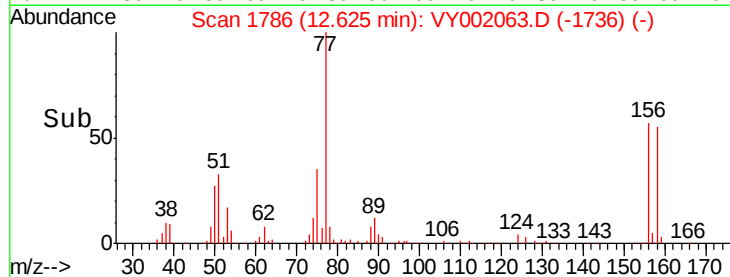
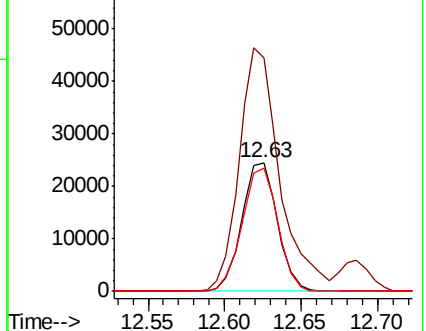
158 96.4 48.9 146.8



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: 19.678 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY002063.D

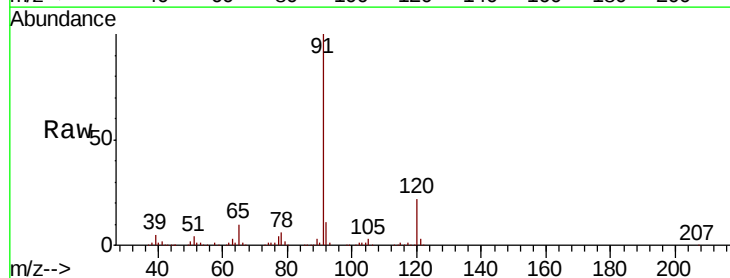
Acq: 25 Mar 2020 13:53

Tgt Ion: 91 Resp: 225530

Ion Ratio Lower Upper

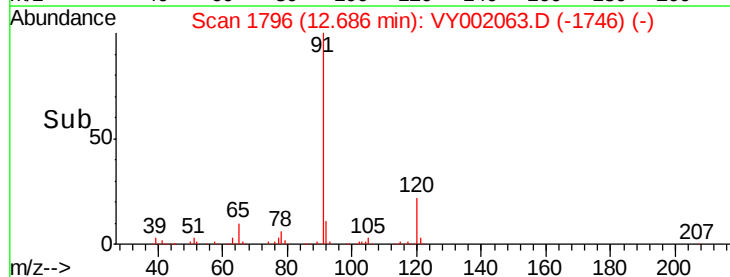
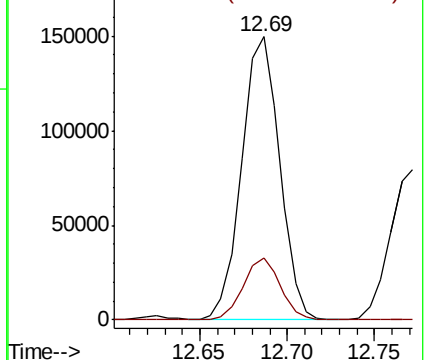
91 100

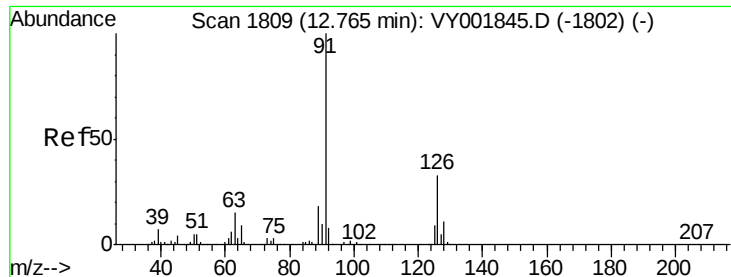
120 21.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.506 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

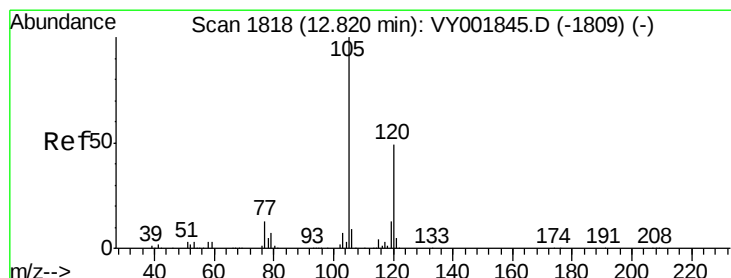
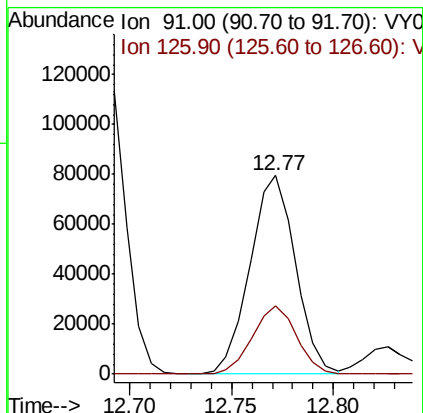
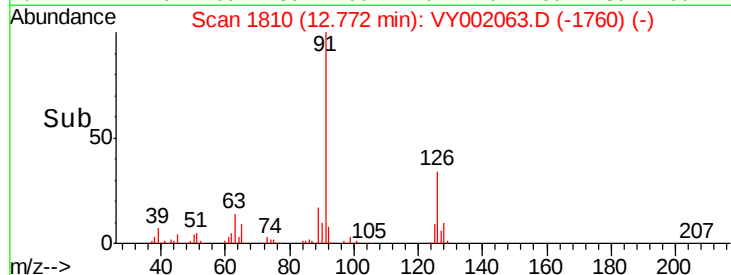
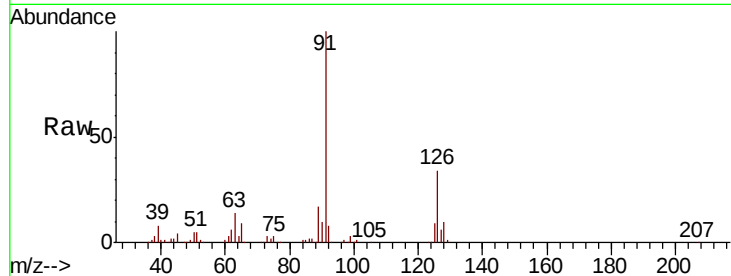
ClientSampleId :

Tot Ion: 91 Resp: 123511

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 19.783 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002063.D

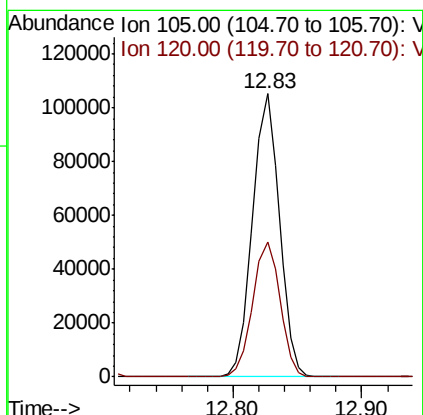
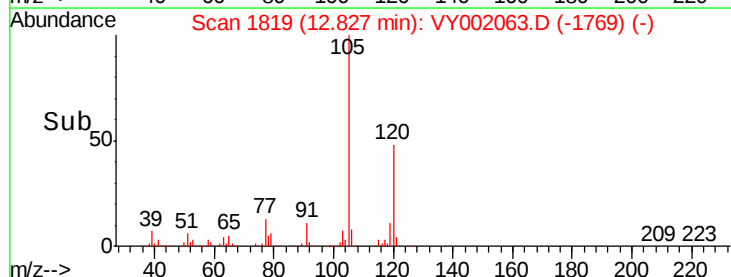
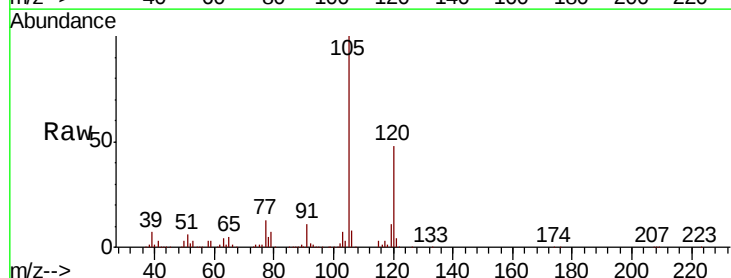
Acq: 25 Mar 2020 13:53

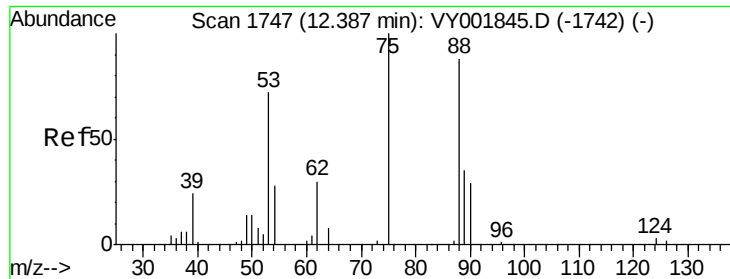
Tgt Ion: 105 Resp: 151299

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.113 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampled :

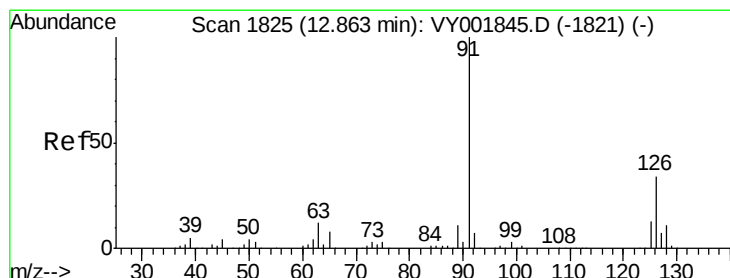
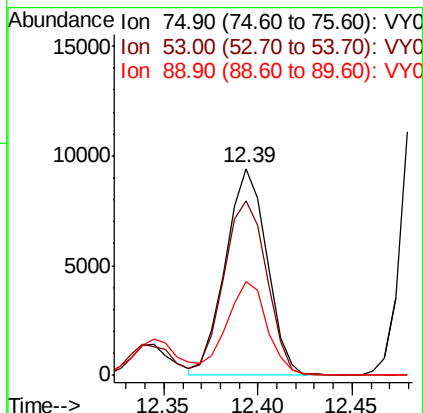
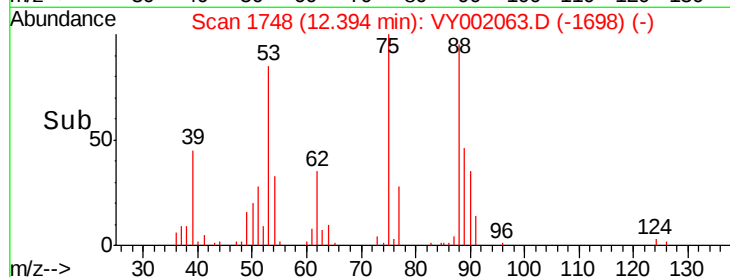
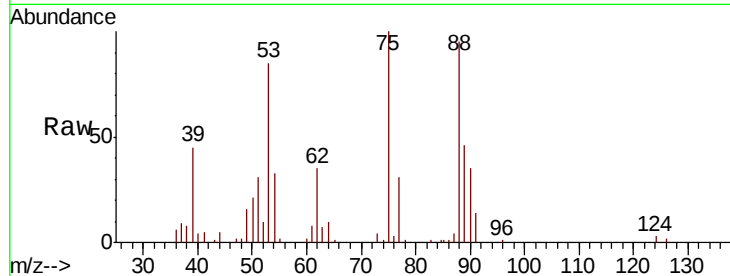
Tot Ion: 75 Resp: 14378

Ion Ratio Lower Upper

75 100

53 88.3 65.4 98.0

89 44.0 36.0 54.0



#82

4-Chlorotoluene

Concen: 19.957 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY002063.D

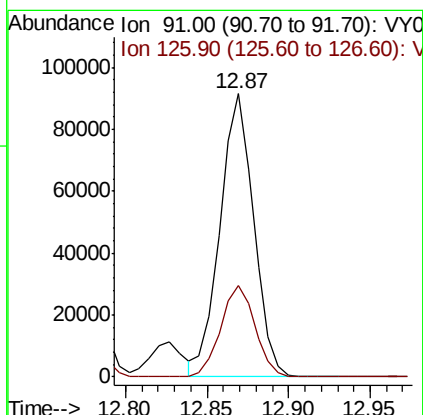
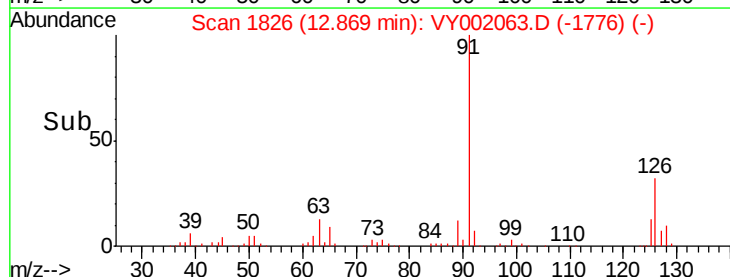
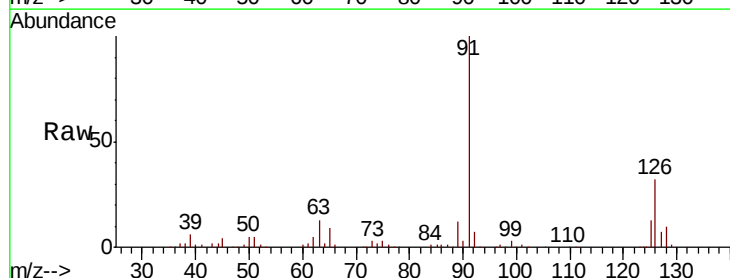
Acq: 25 Mar 2020 13:53

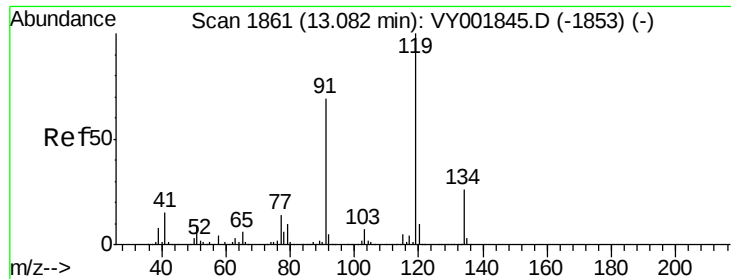
Tgt Ion: 91 Resp: 131574

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.2

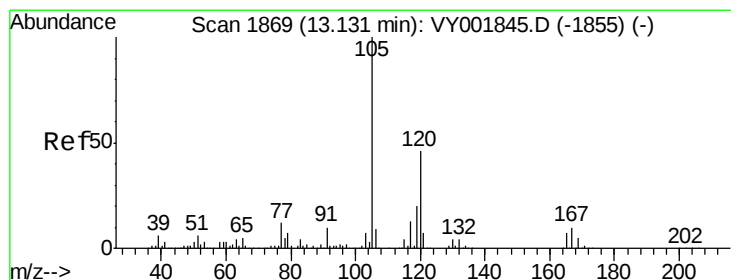
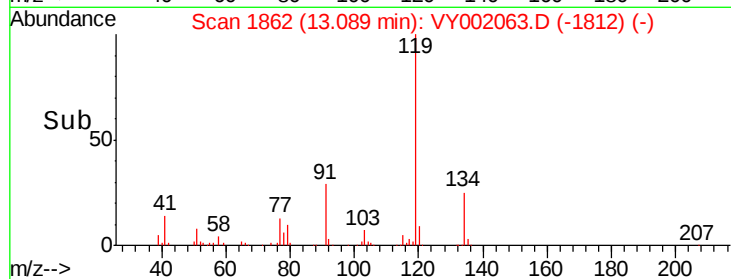
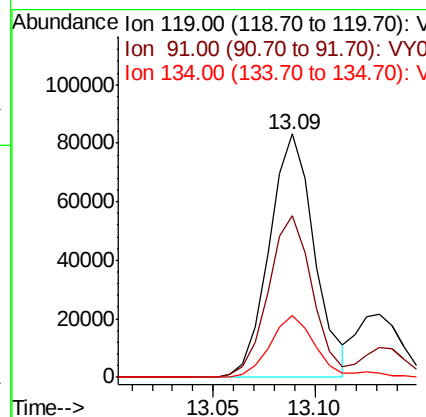
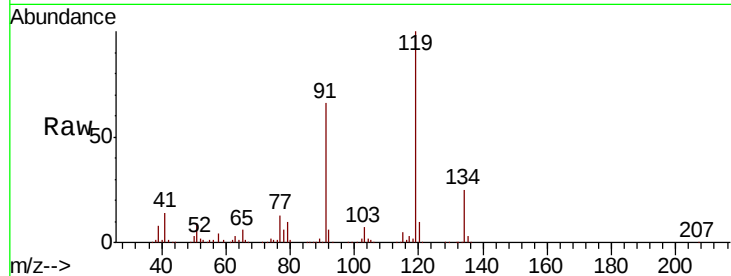




#83
 tert-Butylbenzene
 Concen: 20.195 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

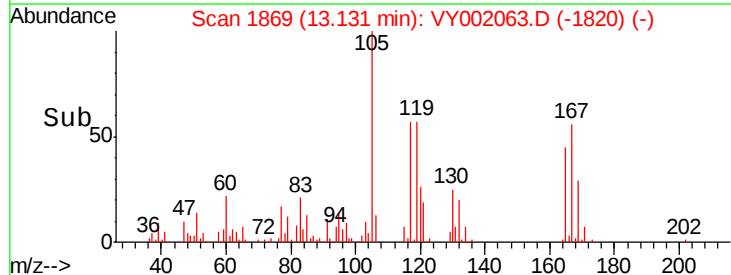
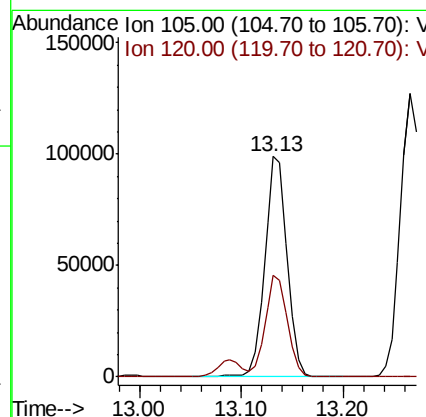
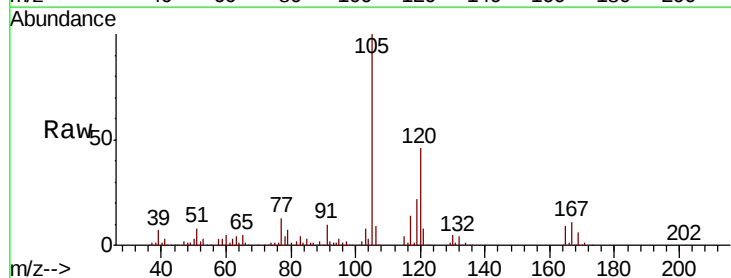
Instrument :
 MSVOA_Y
 ClientSampleId :

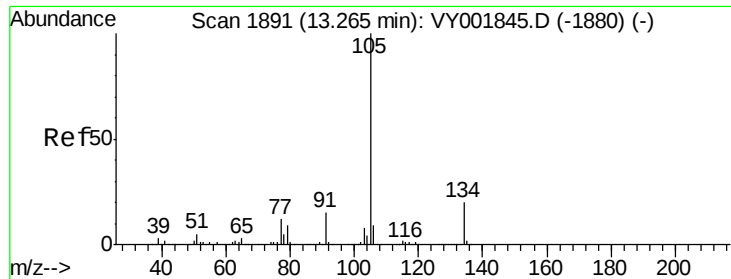
Tot Ion:119 Resp: 128283
 Ion Ratio Lower Upper
 119 100
 91 64.8 34.0 101.8
 134 26.3 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.854 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion:105 Resp: 150693
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.7





#85

sec-Butylbenzene

Concen: 20.131 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

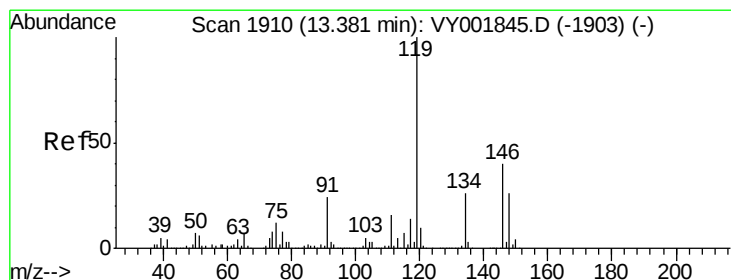
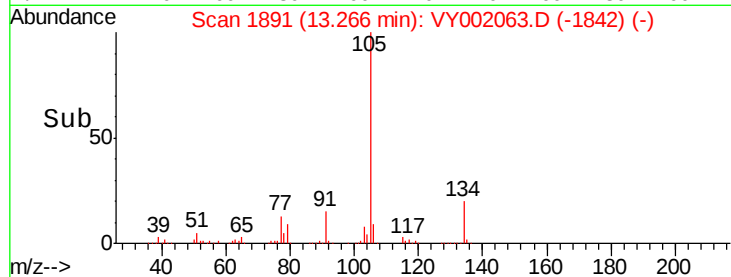
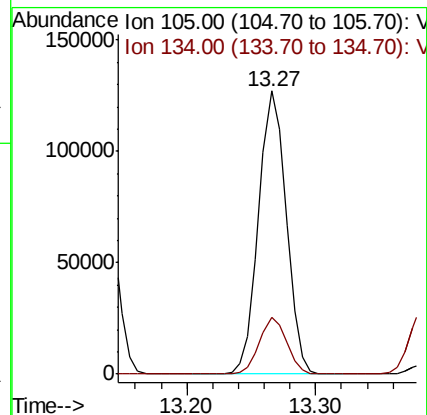
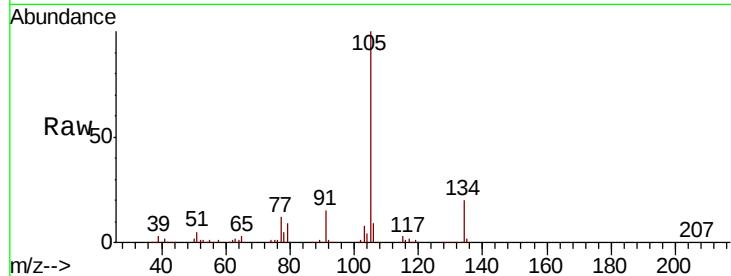
ClientSampled :

Tot Ion:105 Resp: 188489

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



#86

p-Isopropyltoluene

Concen: 20.396 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

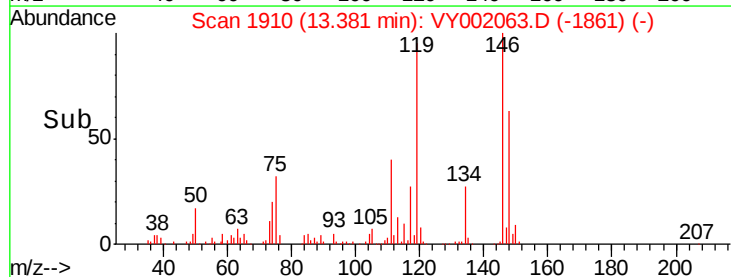
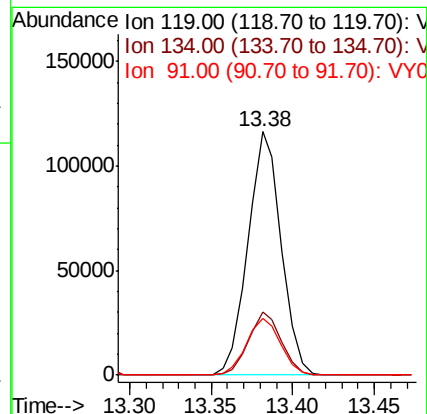
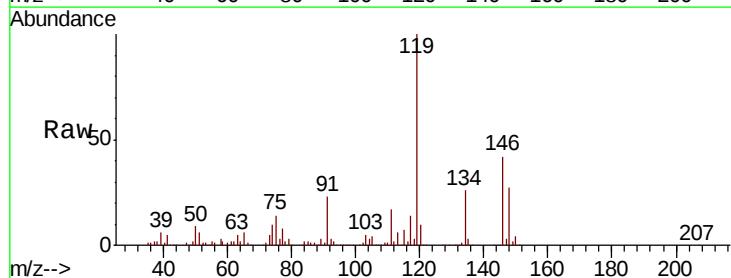
Tgt Ion:119 Resp: 164736

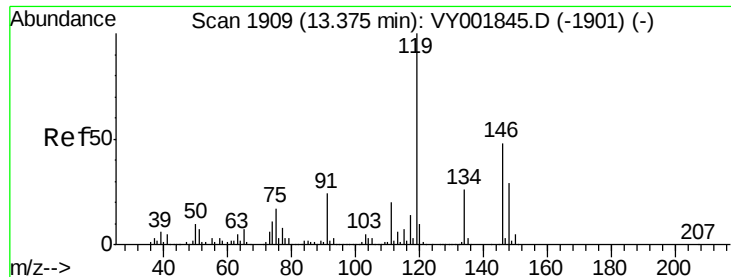
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.9 11.9 35.7

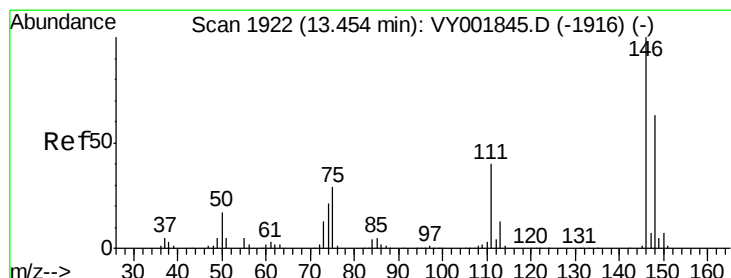
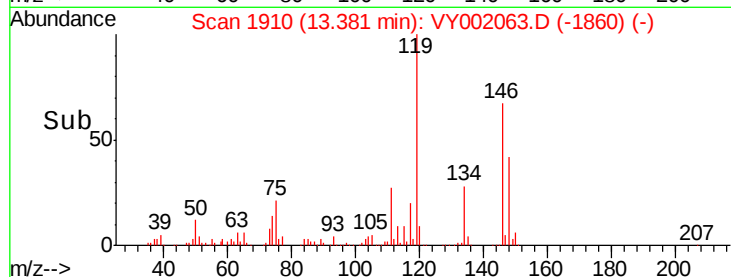
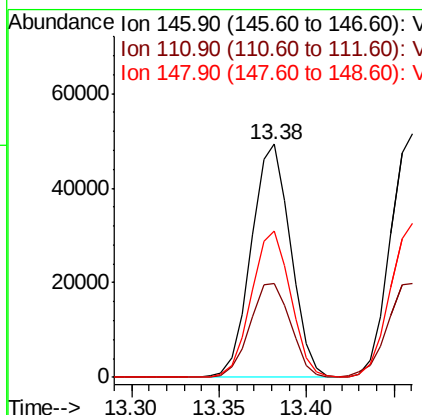
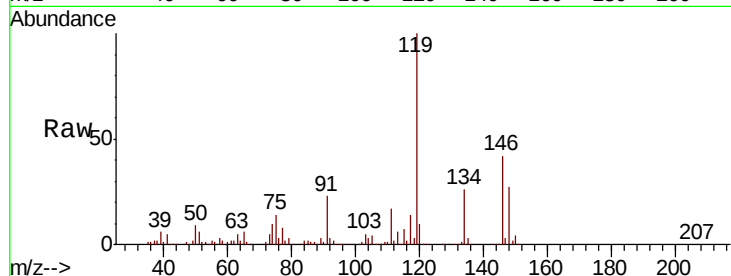




#87
 1,3-Dichlorobenzene
 Concen: 19.983 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

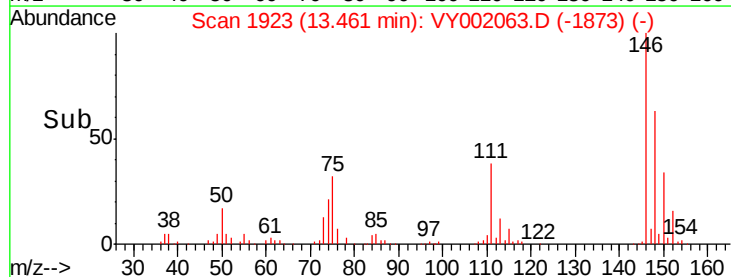
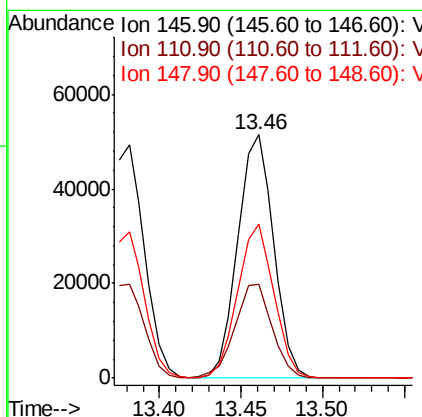
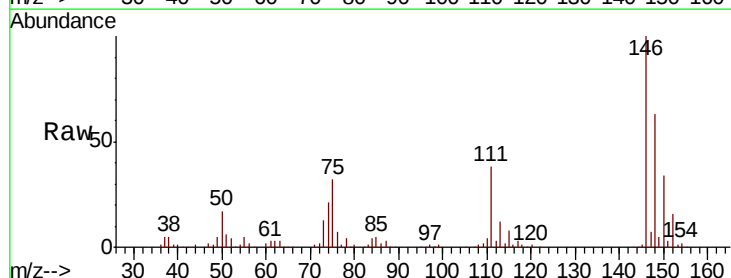
Instrument :
 MSVOA_Y
 ClientSampleId :

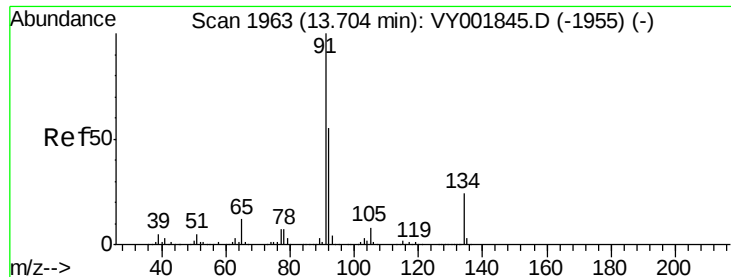
Tot Ion:146 Resp: 77073
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.5
 148 62.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.207 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion:146 Resp: 79066
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 20.073 ug/l

RT: 13.71 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

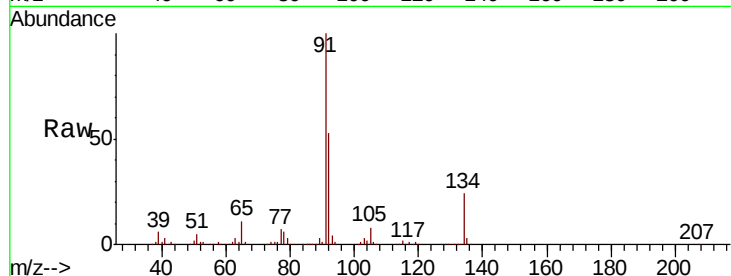
Tot Ion: 91 Resp: 168207

Ion Ratio Lower Upper

91 100

92 54.6 27.5 82.4

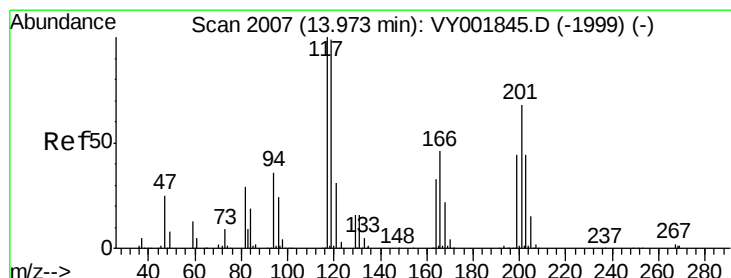
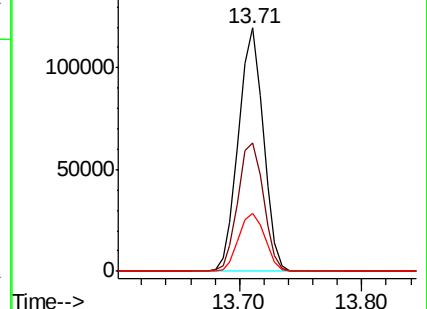
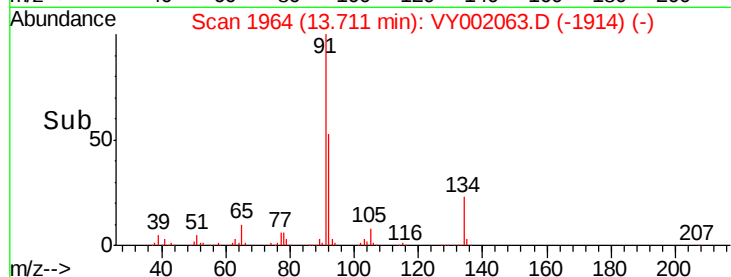
134 25.1 12.5 37.5



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: 19.615 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VY002063.D

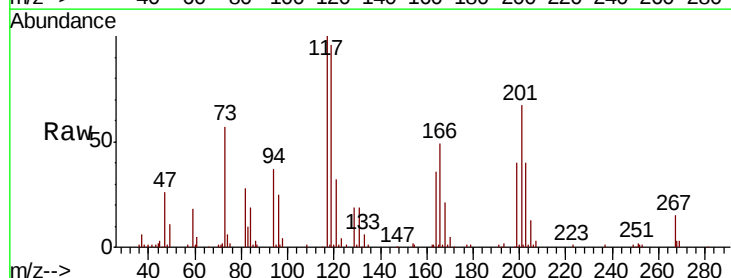
Acq: 25 Mar 2020 13:53

Tgt Ion: 117 Resp: 29887

Ion Ratio Lower Upper

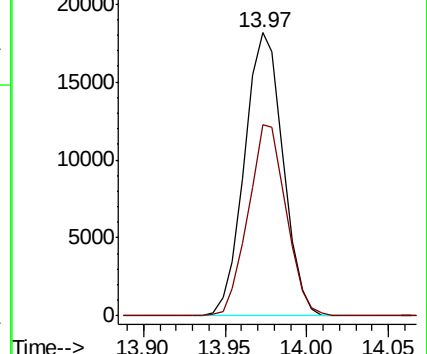
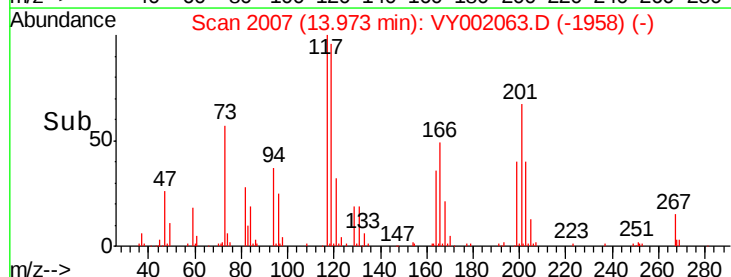
117 100

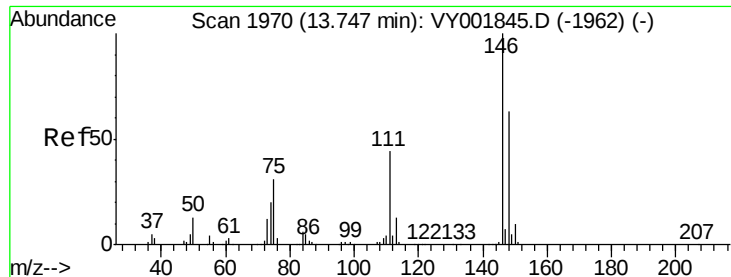
201 66.6 32.5 97.5



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: 20.205 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

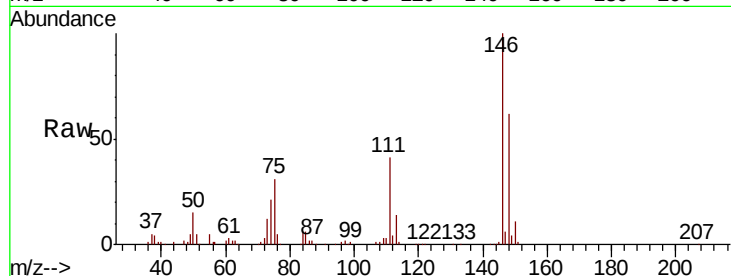
Tot Ion:146 Resp: 70800

Ion Ratio Lower Upper

146 100

111 43.1 21.5 64.5

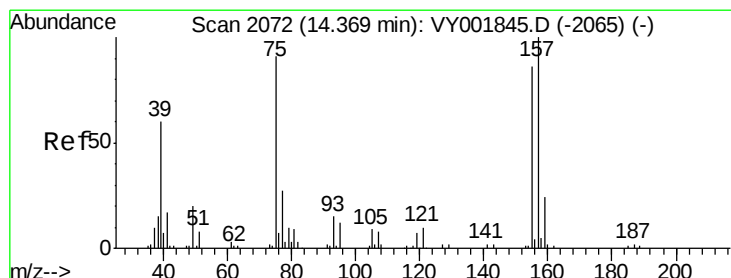
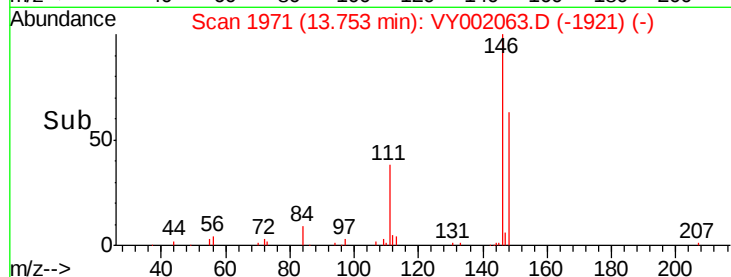
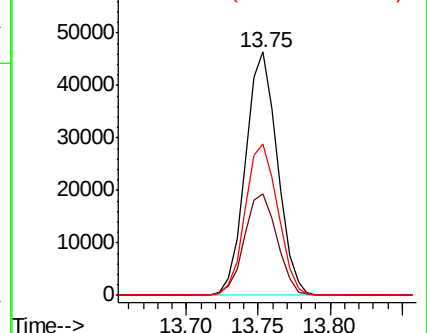
148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.866 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

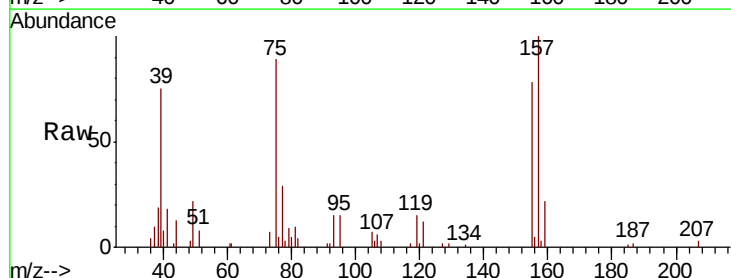
Tgt Ion: 75 Resp: 6523

Ion Ratio Lower Upper

75 100

155 80.1 42.9 128.7

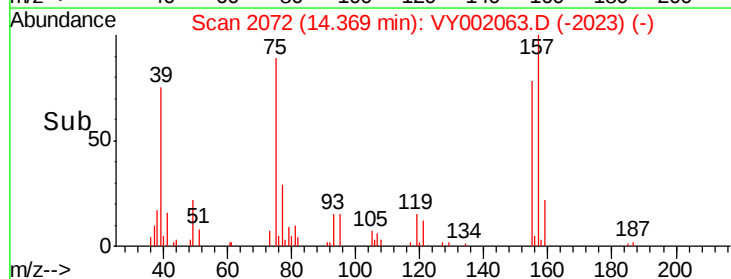
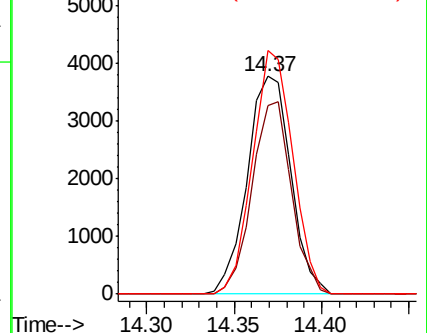
157 103.3 53.1 159.4

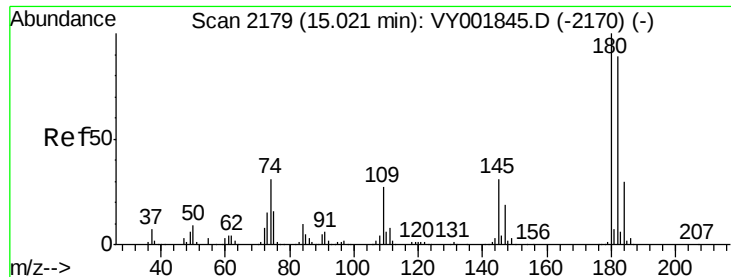


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

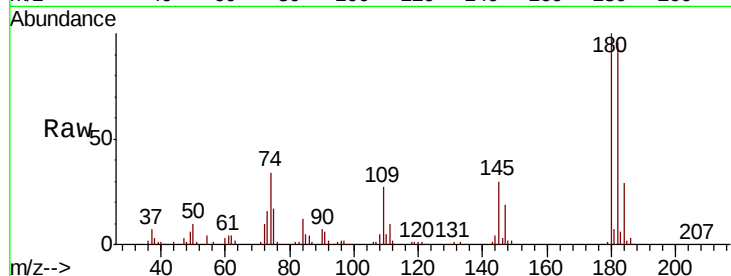




#93
1,2,4-Trichlorobenzene
Concen: 20.526 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.1	138.3
145	31.1	15.6	46.8

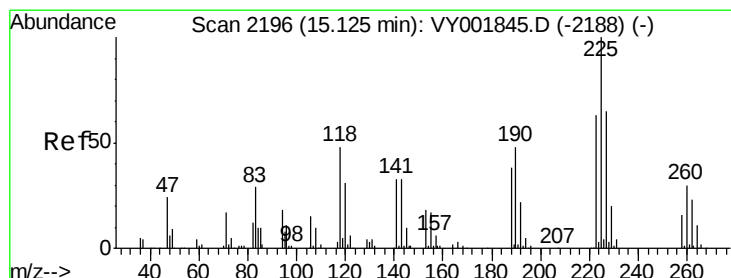
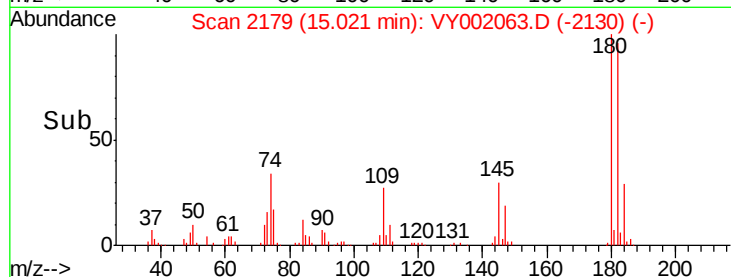
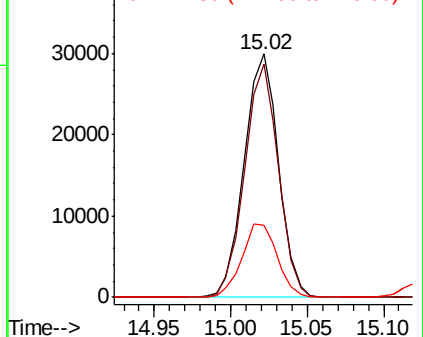


Abundance

Ion 179.80 (179.50 to 180.50): V

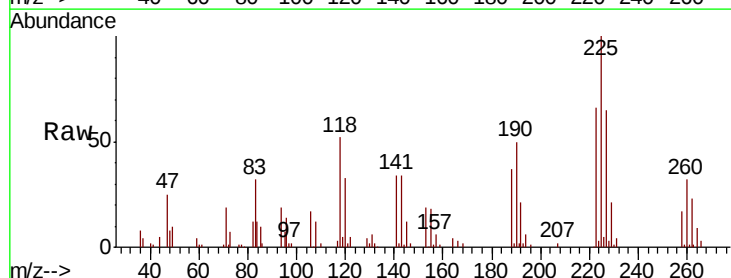
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.501 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.5	94.5
227	63.6	31.9	95.5

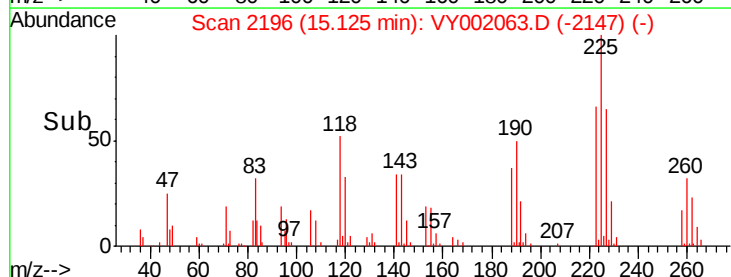
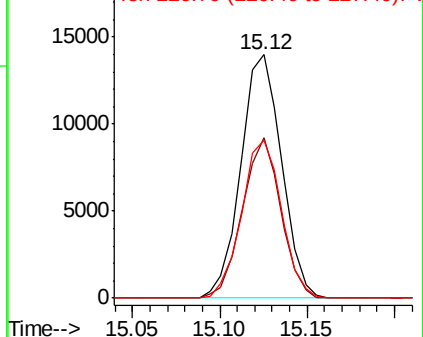


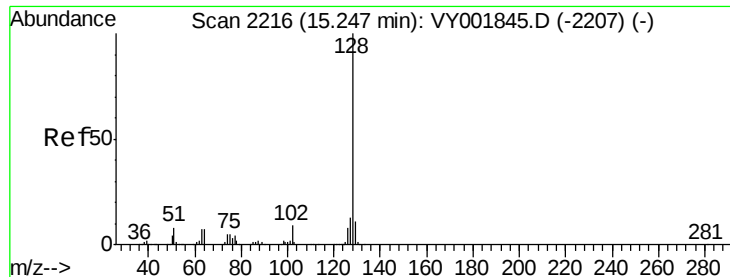
Abundance

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: 20.277 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

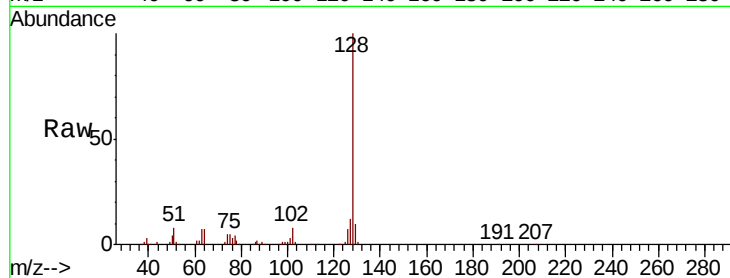
Tot Ion:128 Resp: 109294

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

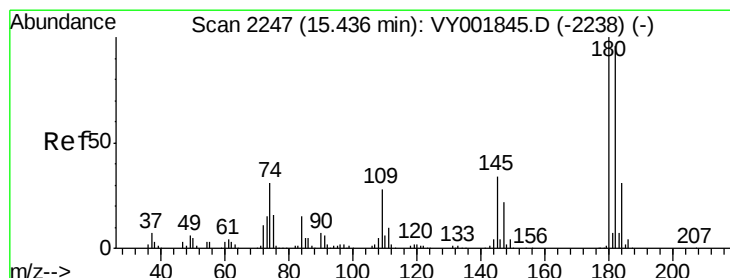
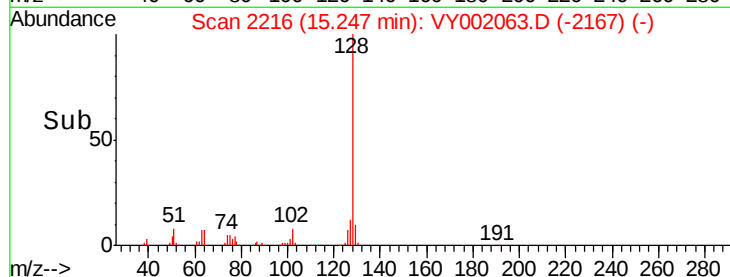
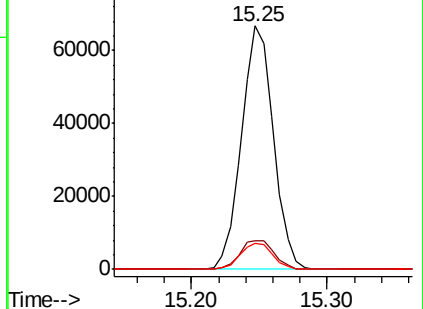
129 10.9 8.6 13.0



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: 20.626 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

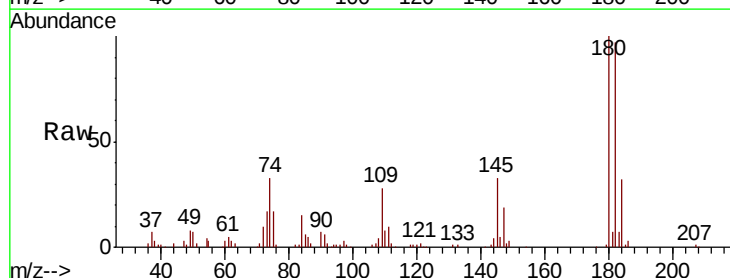
Tgt Ion:180 Resp: 41290

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.9

145 32.9 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

