

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002004.D
 Acq On : 18 Mar 2020 11:25
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Quant Time: Mar 19 01:24:41 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	155260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	80921	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.74	113	78806	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.19	98	325854	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.49	95	114111	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26718	18.643	ug/l	98
3) Chloromethane	2.13	50	37853	19.590	ug/l	96
4) Vinyl Chloride	2.27	62	39217	19.954	ug/l	99
5) Bromomethane	2.66	94	27012	20.022	ug/l	95
6) Chloroethane	2.81	64	26008	21.066	ug/l	99
7) Trichlorofluoromethane	3.15	101	54424	20.418	ug/l	93
8) Diethyl Ether	3.55	74	21477	20.444	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35835	20.902	ug/l	99
10) Methyl Iodide	4.11	142	38039	19.186	ug/l	98
11) Tert butyl alcohol	4.98	59	20653	106.802	ug/l #	88
12) 1,1-Dichloroethene	3.90	96	35434	20.527	ug/l	97
13) Acrolein	3.75	56	17102	73.425	ug/l	97
14) Allyl chloride	4.51	41	63473	20.741	ug/l	99
15) Acrylonitrile	5.19	53	53104	94.597	ug/l	99
16) Acetone	3.97	43	42721	88.492	ug/l	98
17) Carbon Disulfide	4.22	76	109146	18.809	ug/l	98
18) Methyl Acetate	4.51	43	23461	18.914	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	92755	19.828	ug/l	99
20) Methylene Chloride	4.74	84	42845	20.708	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	40678	20.761	ug/l	98
22) Diisopropyl ether	6.15	45	132784	21.168	ug/l	95
23) Vinyl Acetate	6.09	43	405888	98.700	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71419	21.024	ug/l	99
25) 2-Butanone	7.02	43	67670	92.174	ug/l	97
26) 2,2-Dichloropropane	7.00	77	60633	21.747	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	44298	20.785	ug/l	98
28) Bromochloromethane	7.36	49	32412	21.168	ug/l	99
29) Tetrahydrofuran	7.38	42	43582	89.394	ug/l	99
30) Chloroform	7.53	83	66141	20.724	ug/l	99
31) Cyclohexane	7.81	56	73116	20.074	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	57262	21.287	ug/l	98
36) 1,1-Dichloropropene	7.94	75	56374	20.888	ug/l	99
37) Ethyl Acetate	7.10	43	30582	19.497	ug/l	98
38) Carbon Tetrachloride	7.92	117	48956	21.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.20	83	72927	20.373	ug/l	100
40) Benzene	8.18	78	167562	20.947	ug/l	97
41) Methacrylonitrile	7.37	41	39961	56.609	ug/l #	22
42) 1,2-Dichloroethane	8.26	62	42493	20.615	ug/l	100
43) Isopropyl Acetate	8.30	43	56607	19.061	ug/l	100
44) Trichloroethene	8.96	130	41180	21.138	ug/l	98
45) 1,2-Dichloropropane	9.24	63	42761	21.265	ug/l	99
46) Dibromomethane	9.32	93	20656	19.933	ug/l	99
47) Bromodichloromethane	9.52	83	51396	21.321	ug/l	98
48) Methyl methacrylate	9.31	41	24276	18.422	ug/l	94
49) 1,4-Dioxane	9.31	88	5241	369.100	ug/l #	83
51) 4-Methyl-2-Pentanone	10.08	43	147255	96.268	ug/l	99
52) Toluene	10.26	92	104061	21.414	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	54023	20.570	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	64950	20.774	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	30595	20.174	ug/l	96
56) Ethyl methacrylate	10.52	69	43019	19.353	ug/l	97
57) 1,3-Dichloropropane	10.80	76	54144	20.029	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	113506	130.732	ug/l	99
59) 2-Hexanone	10.85	43	100522	92.072	ug/l	99
60) Dibromochloromethane	11.00	129	32771	20.507	ug/l	100
61) 1,2-Dibromoethane	11.10	107	28791	20.042	ug/l	98
64) Tetrachloroethene	10.74	164	33648	21.427	ug/l	93
65) Chlorobenzene	11.53	112	104531	20.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	35250	21.544	ug/l	100
67) Ethyl Benzene	11.61	91	194796	20.934	ug/l	97
68) m/p-Xylenes	11.72	106	146481	42.578	ug/l	99
69) o-Xylene	12.04	106	70472	21.733	ug/l	96
70) Styrene	12.06	104	118922	21.414	ug/l	100
71) Bromoform	12.22	173	18244	20.560	ug/l #	99
73) Isopropylbenzene	12.34	105	187526	20.702	ug/l	99
74) N-amyl acetate	12.16	43	51968	18.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	37069	18.977	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	47285	33.583	ug/l #	100
77) Bromobenzene	12.62	156	39455	20.558	ug/l	97
78) n-propylbenzene	12.68	91	231609	20.725	ug/l	99
79) 2-Chlorotoluene	12.77	91	127163	20.596	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	155634	20.870	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13129	18.835	ug/l	96
82) 4-Chlorotoluene	12.86	91	133970	20.840	ug/l	99
83) tert-Butylbenzene	13.09	119	131932	21.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	155698	21.039	ug/l	100
85) sec-Butylbenzene	13.27	105	194770	21.334	ug/l	99
86) p-Isopropyltoluene	13.38	119	168545	21.401	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	80357	21.367	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	80212	21.024	ug/l	100
89) n-Butylbenzene	13.71	91	171981	21.049	ug/l	100
90) Hexachloroethane	13.97	117	31128	20.952	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	71481	20.922	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5654	18.549	ug/l	93

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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	46031	20.775	ug/l	98
94) Hexachlorobutadiene	15.12	225	23126	21.408	ug/l	99
95) Naphthalene	15.25	128	100050	19.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40730	20.867	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

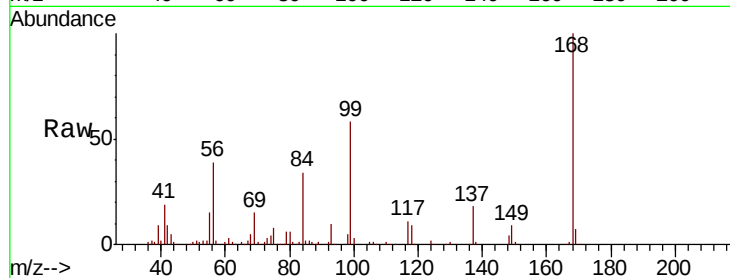
VY0318SBS01

Tot Ion:168 Resp: 155260

Ion Ratio Lower Upper

168 100

99 58.1 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

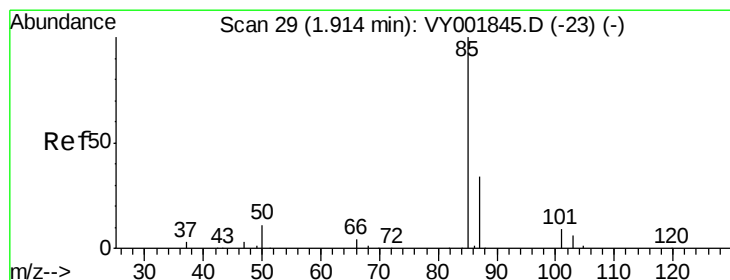
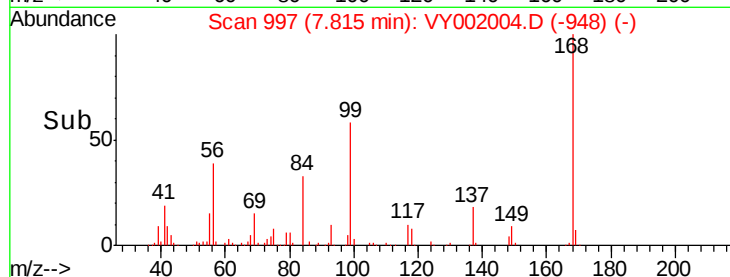
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.643 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002004.D

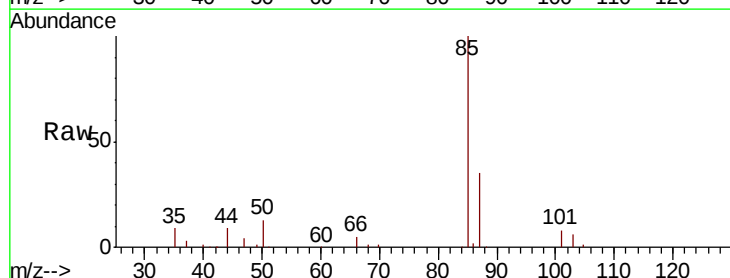
Acq: 18 Mar 2020 11:25

Tgt Ion: 85 Resp: 26718

Ion Ratio Lower Upper

85 100

87 34.9 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

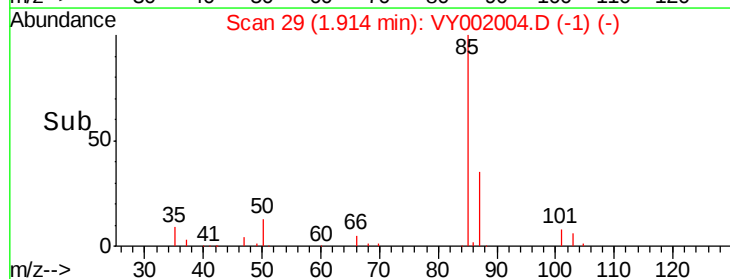
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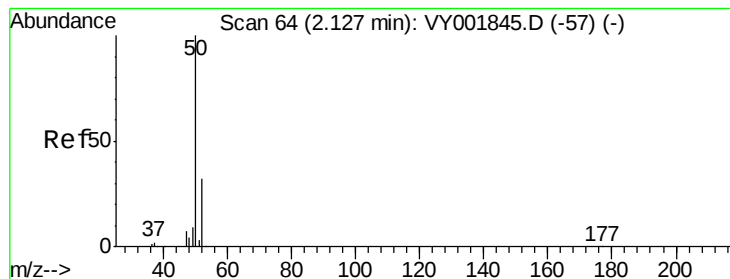
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.590 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

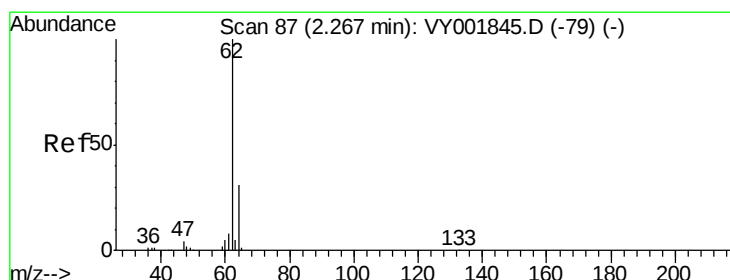
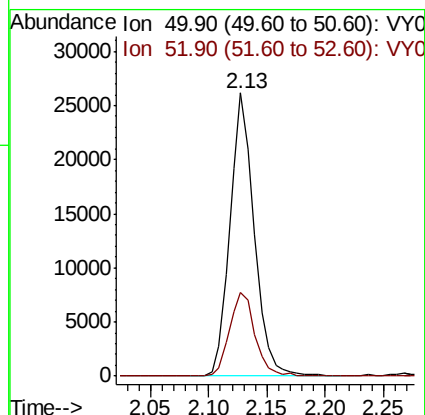
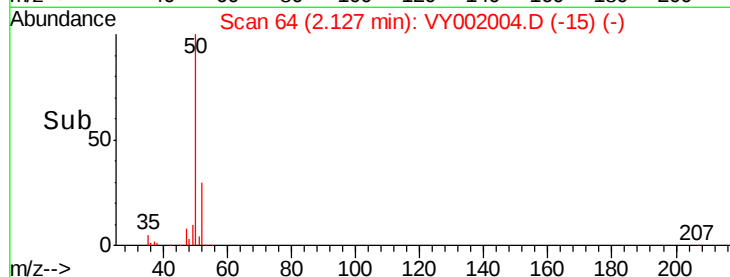
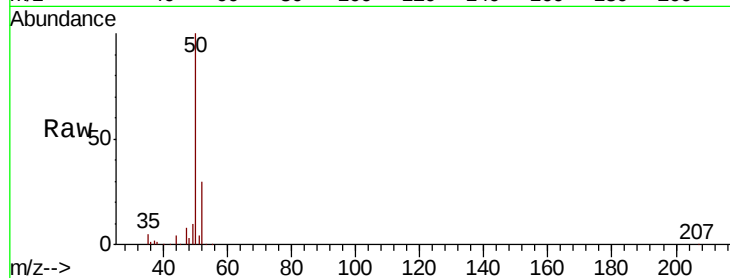
VY0318SBS01

Tot Ion: 50 Resp: 37853

Ion Ratio Lower Upper

50 100

52 29.7 25.8 38.6



#4

Vinyl Chloride

Concen: 19.954 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002004.D

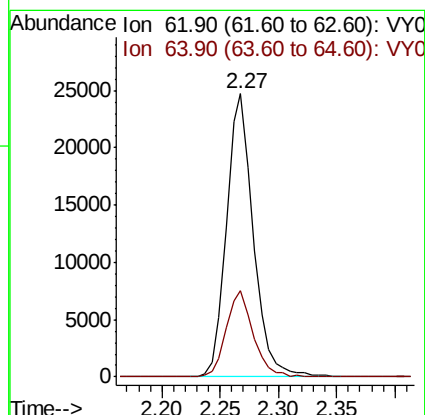
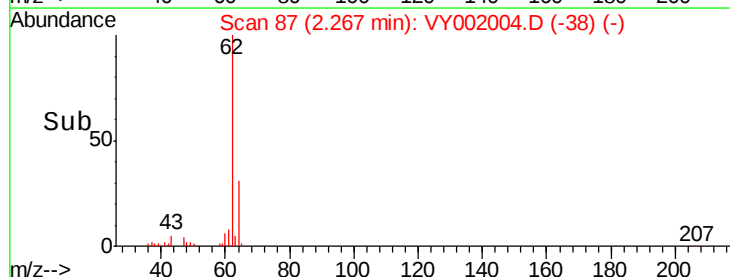
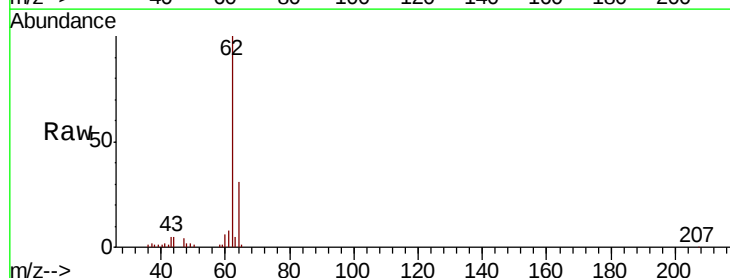
Acq: 18 Mar 2020 11:25

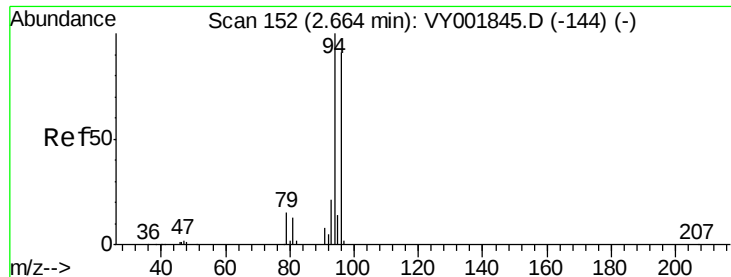
Tgt Ion: 62 Resp: 39217

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7

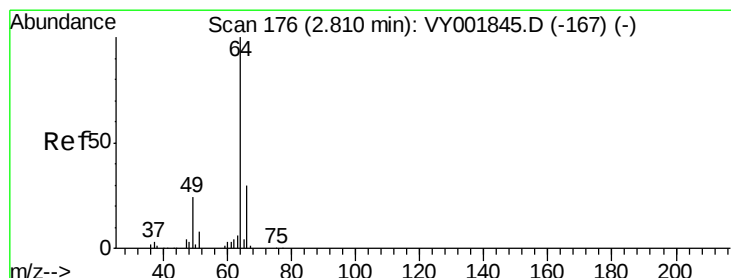
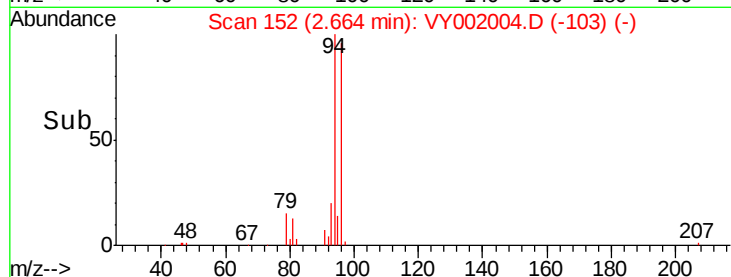
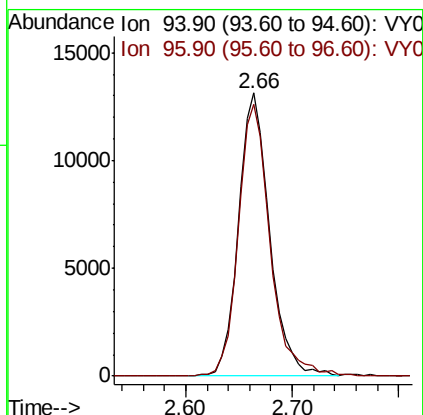
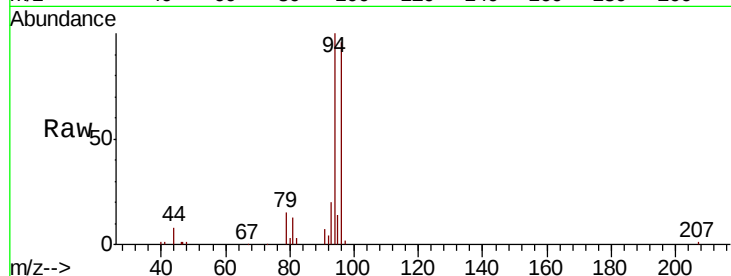




#5
Bromomethane
Concen: 20.022 ug/l
RT: 2.66 min Scan# 152
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

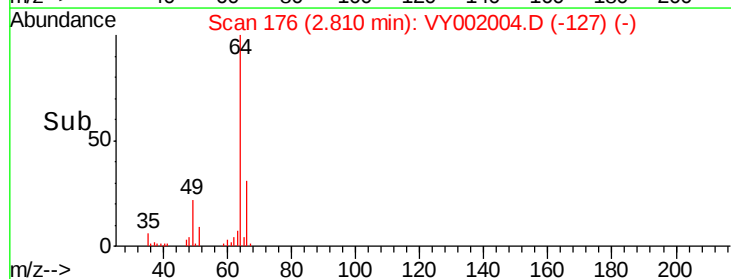
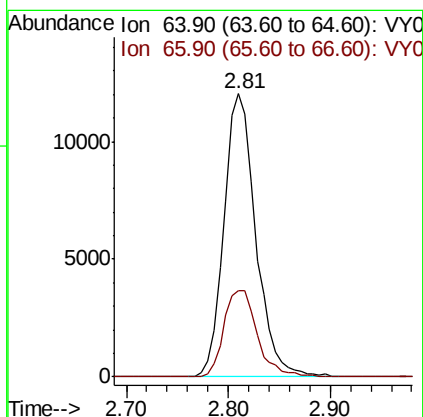
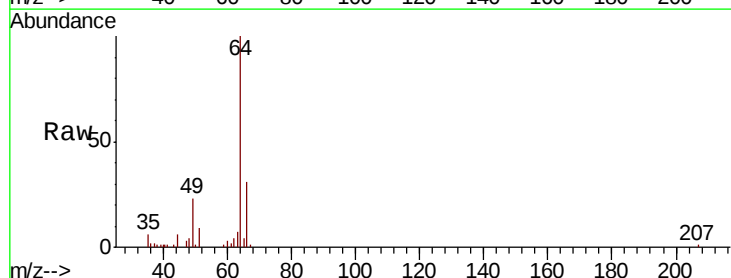
Instrument :
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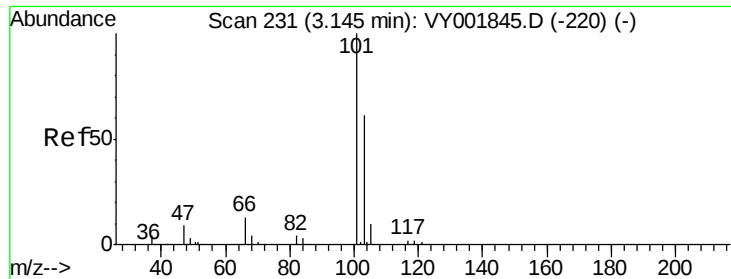
Tot Ion: 94 Resp: 27012
Ion Ratio Lower Upper
94 100
96 96.1 73.2 109.8



#6
Chloroethane
Concen: 21.066 ug/l
RT: 2.81 min Scan# 176
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 64 Resp: 26008
Ion Ratio Lower Upper
64 100
66 30.6 23.8 35.8



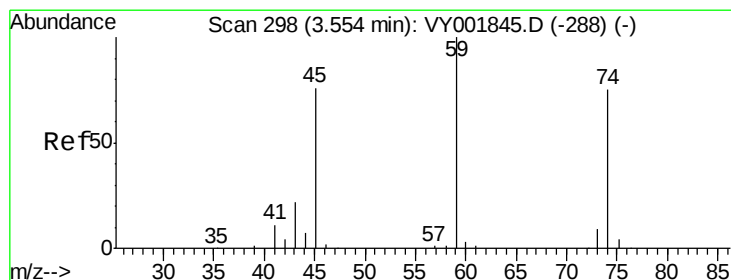
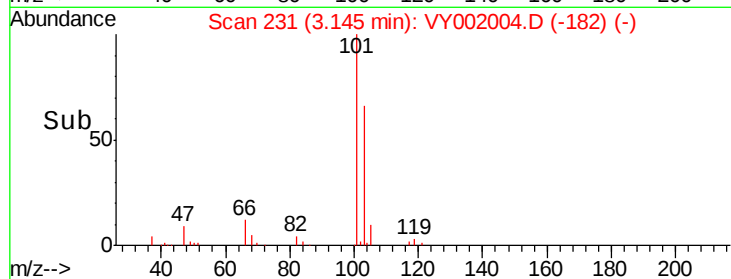
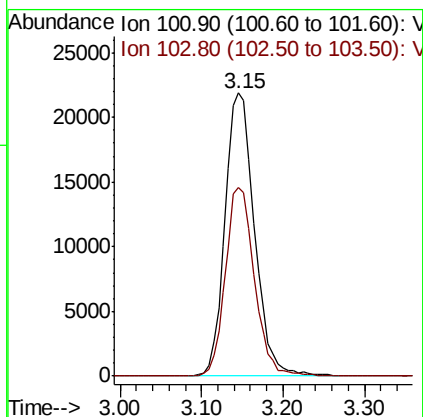
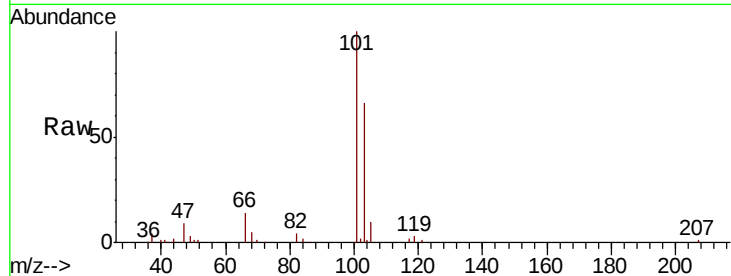


#7

Trichlorofluoromethane
 Concen: 20.418 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

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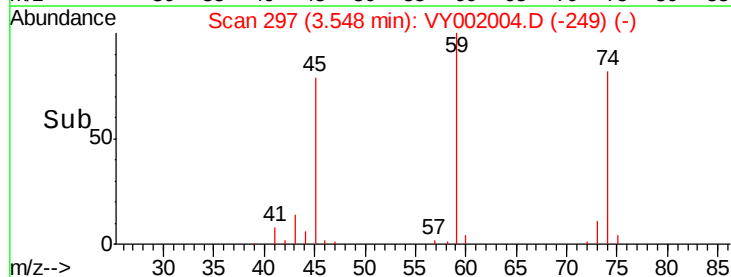
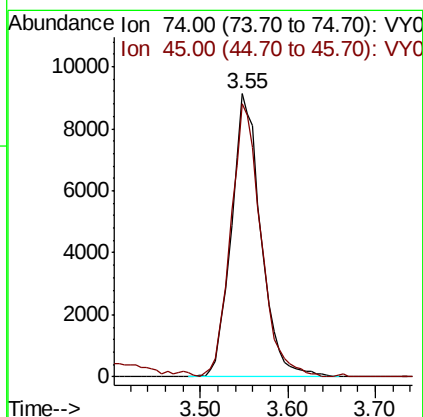
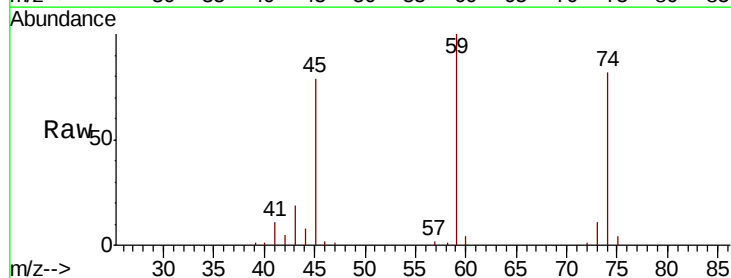
Tot Ion:101 Resp: 54424
 Ion Ratio Lower Upper
 101 100
 103 66.5 49.1 73.7

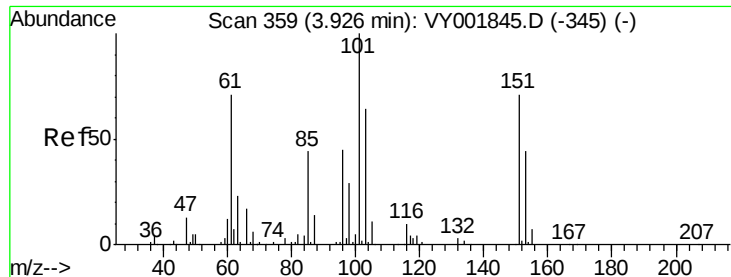


#8

Diethyl Ether
 Concen: 20.444 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 74 Resp: 21477
 Ion Ratio Lower Upper
 74 100
 45 98.7 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.902 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

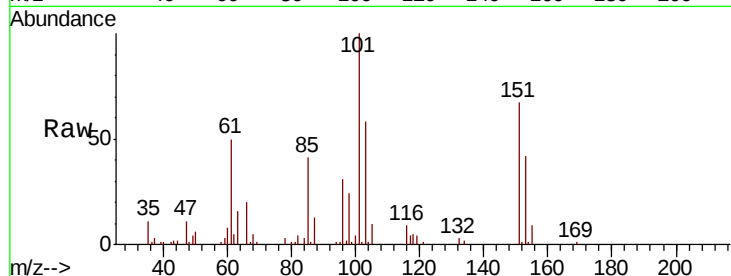
Tot Ion:101 Resp: 35835

Ion Ratio Lower Upper

101 100

85 44.7 35.3 52.9

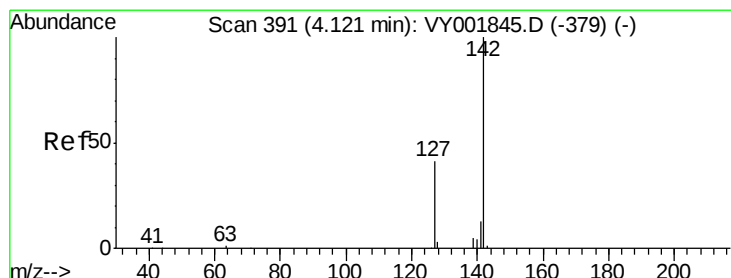
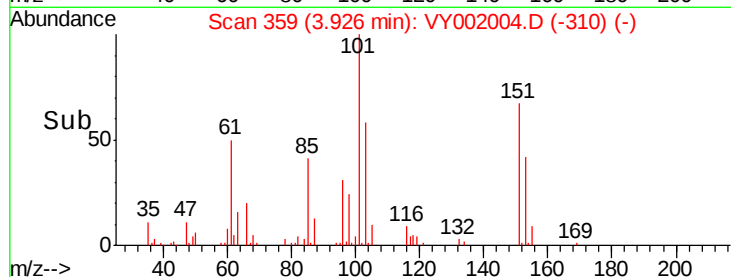
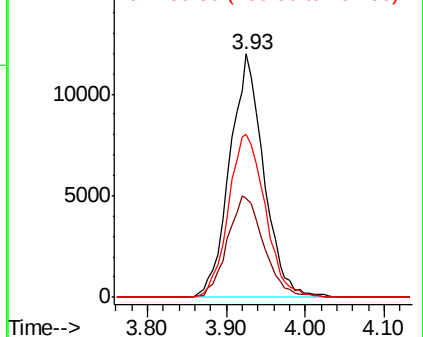
151 72.7 57.0 85.4



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: 19.186 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

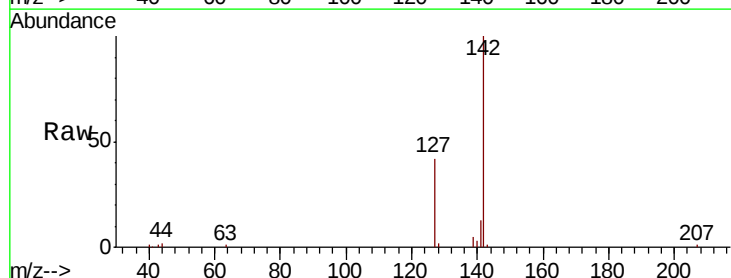
Tgt Ion:142 Resp: 38039

Ion Ratio Lower Upper

142 100

127 39.1 32.7 49.1

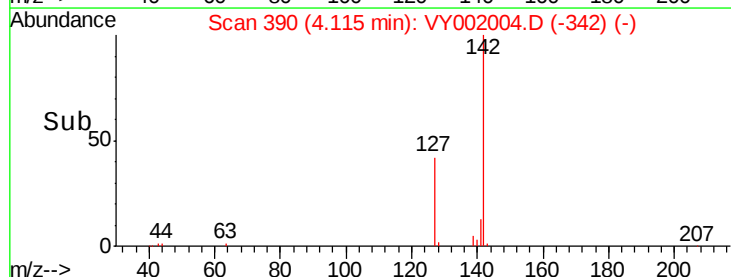
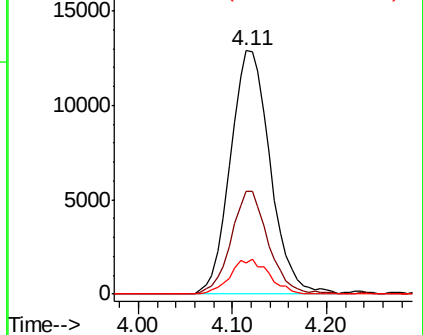
141 13.9 11.0 16.6

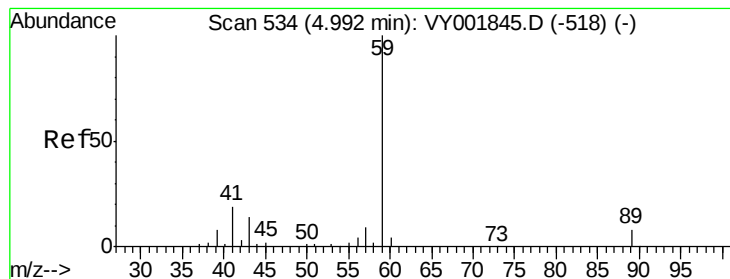


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



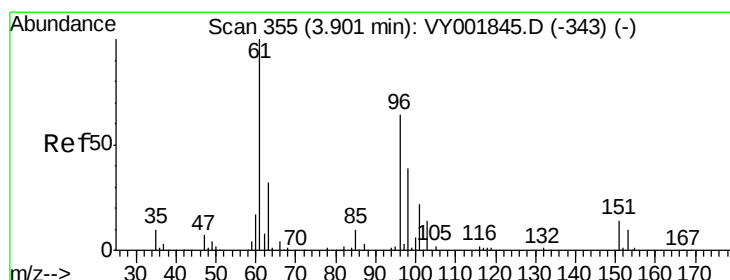
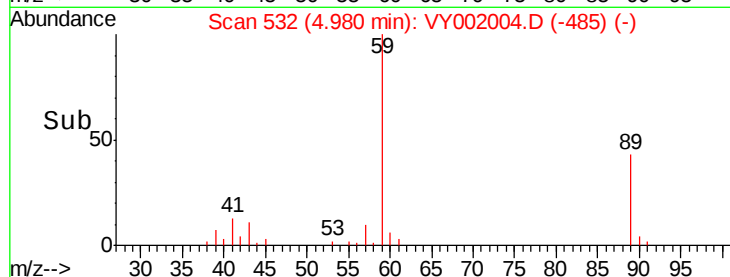
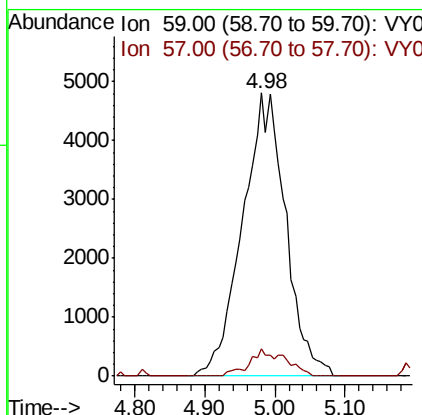
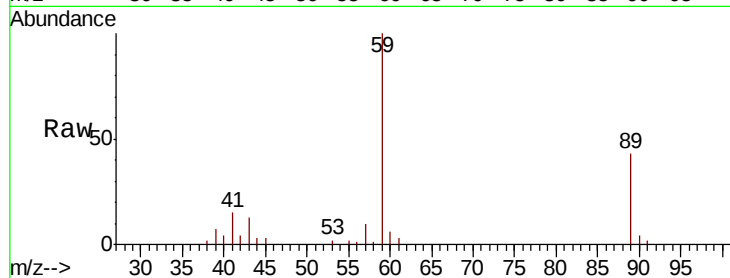


#11

Tert butyl alcohol
 Concen: 106.802 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0318SBS01

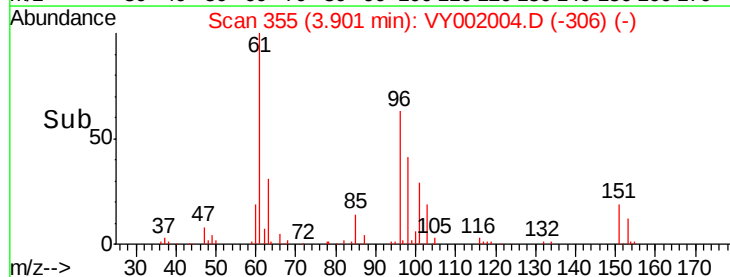
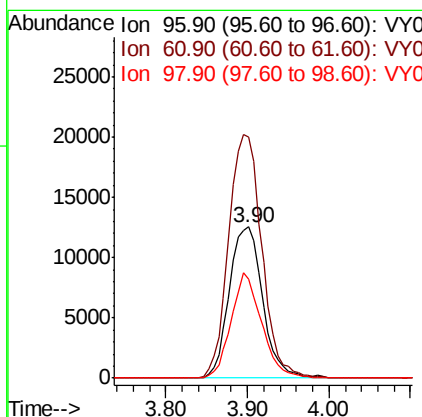
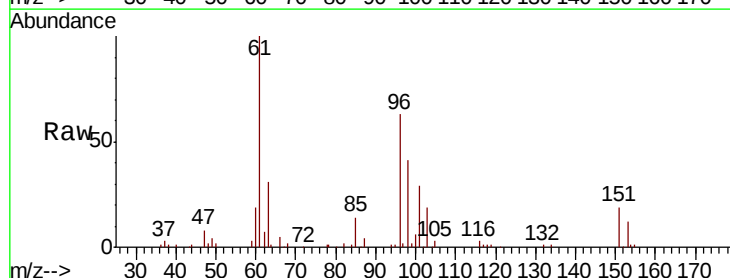
Tot Ion: 59 Resp: 20653
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.4 11.2#

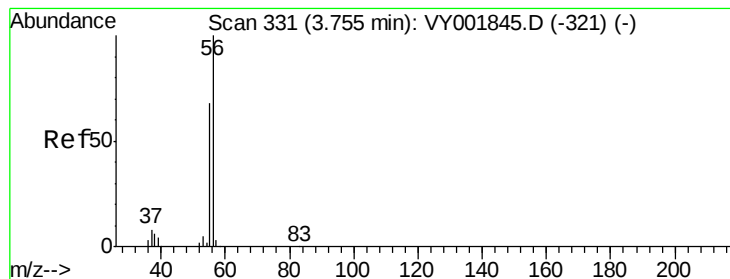


#12

1,1-Dichloroethene
 Concen: 20.527 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 96 Resp: 35434
 Ion Ratio Lower Upper
 96 100
 61 159.4 124.8 187.2
 98 65.3 49.2 73.8





#13

Acrolein

Concen: 73.425 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

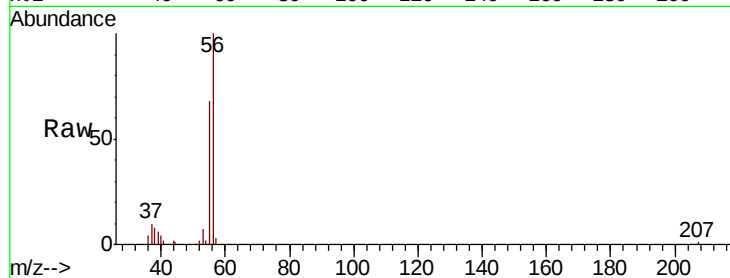
VY0318SBS01

Tot Ion: 56 Resp: 17102

Ion Ratio Lower Upper

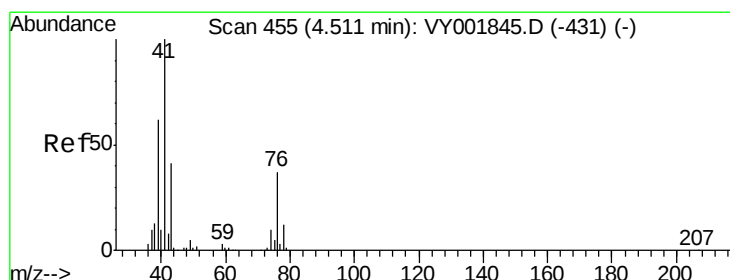
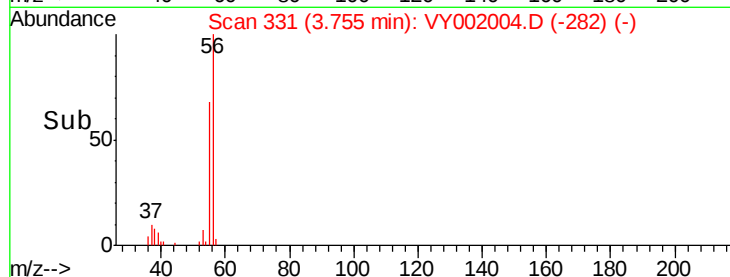
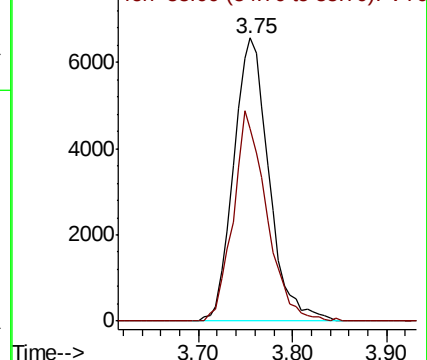
56 100

55 70.3 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.741 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

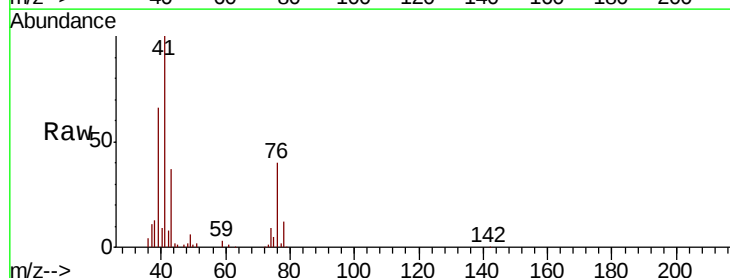
Tgt Ion: 41 Resp: 63473

Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.6

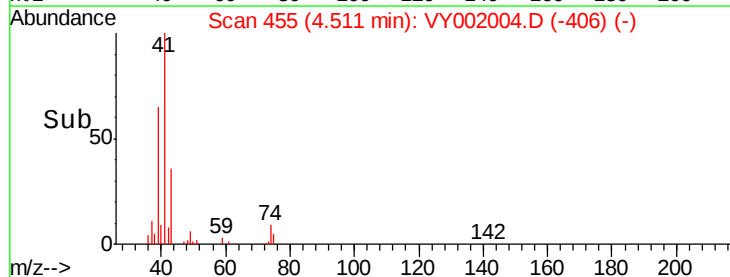
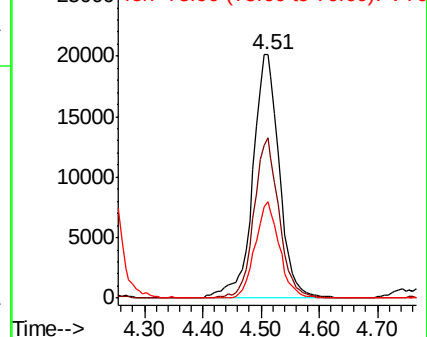
76 36.0 28.9 43.3

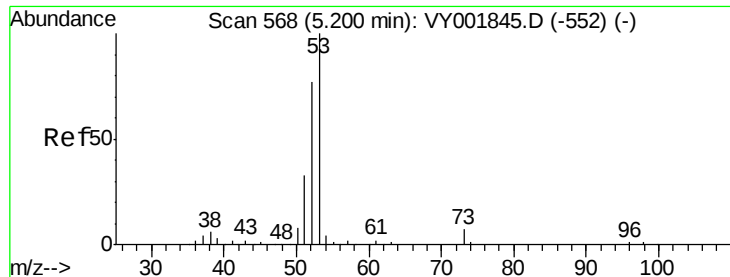


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 94.597 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

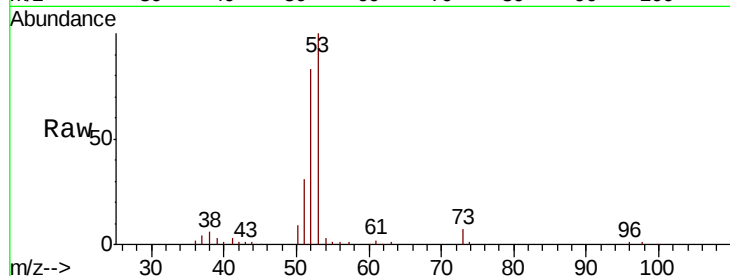
Tot Ion: 53 Resp: 53104

Ion Ratio Lower Upper

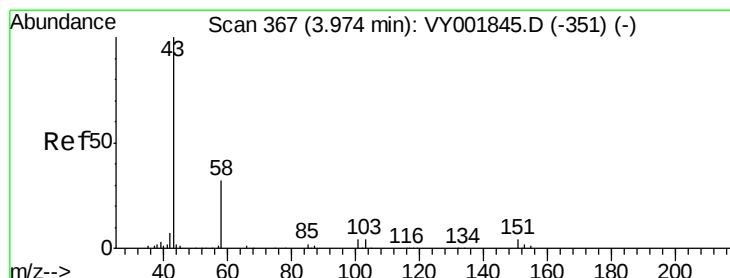
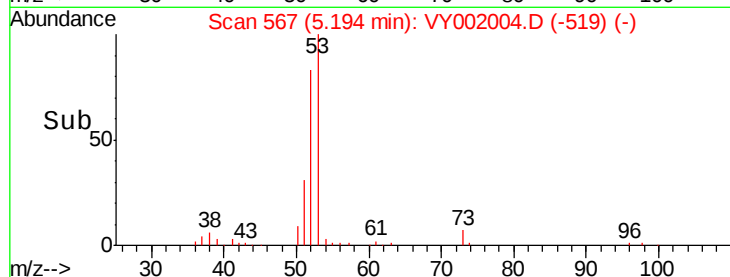
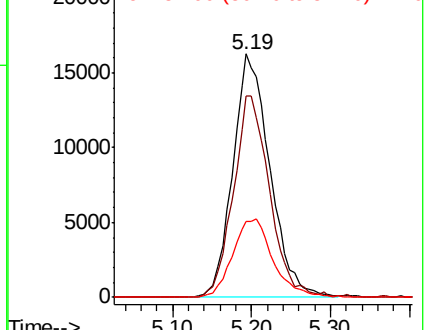
53 100

52 81.0 65.1 97.7

51 35.1 27.5 41.3



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



#16

Acetone

Concen: 88.492 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002004.D

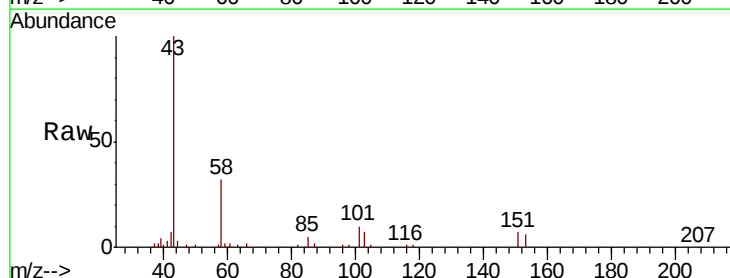
Acq: 18 Mar 2020 11:25

Tgt Ion: 43 Resp: 42721

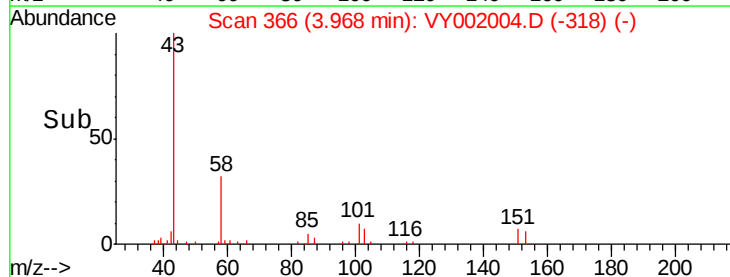
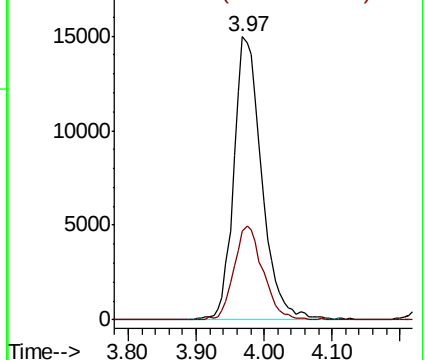
Ion Ratio Lower Upper

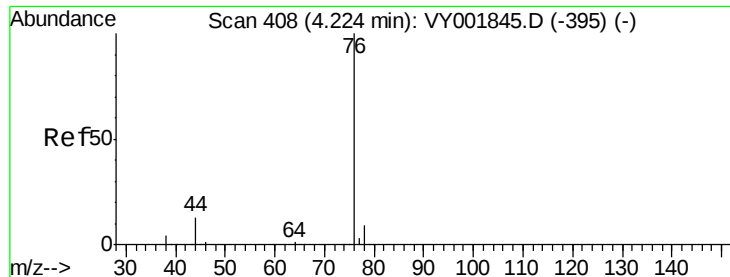
43 100

58 31.5 25.9 38.9



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

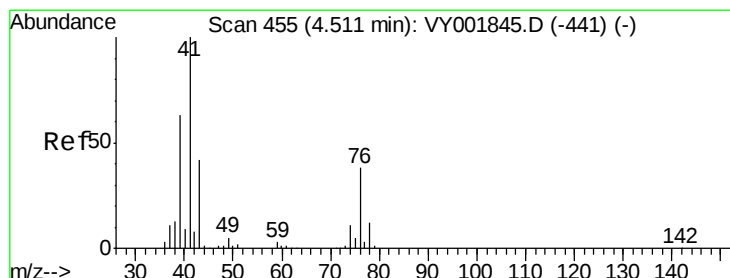
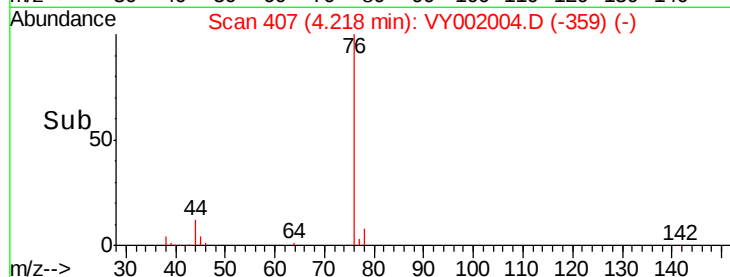
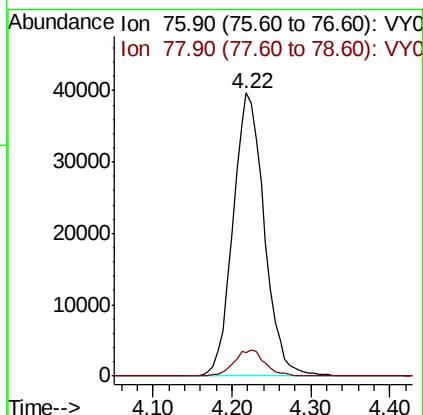
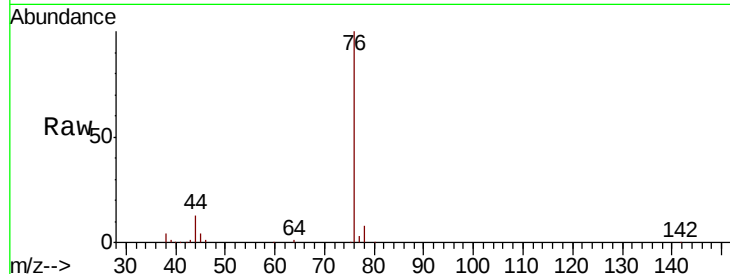




#17
Carbon Disulfide
Concen: 18.809 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

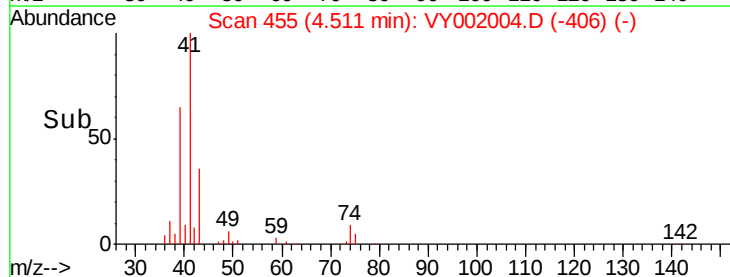
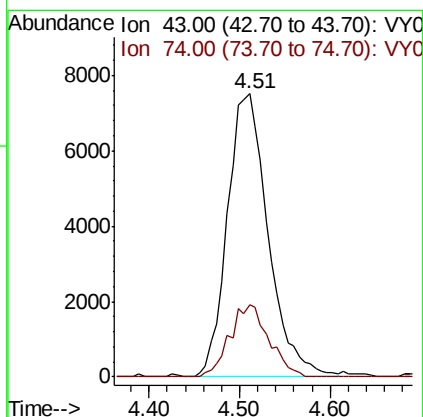
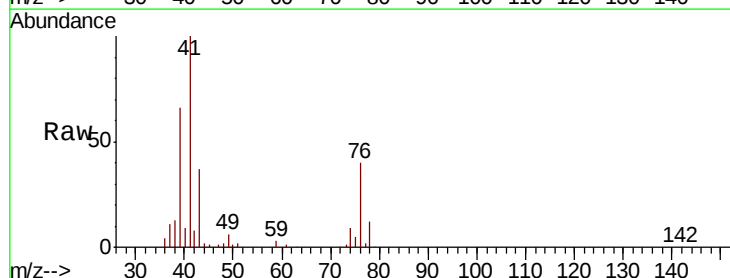
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

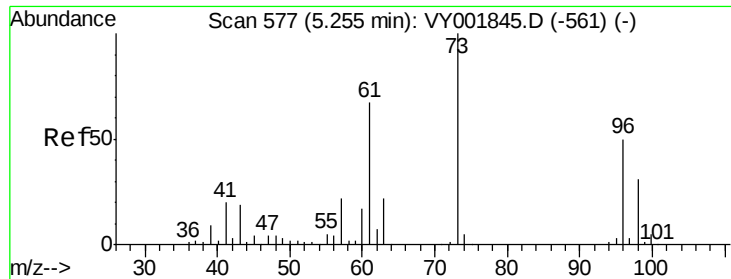
Tot Ion: 76 Resp: 109146
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 18.914 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 43 Resp: 23461
Ion Ratio Lower Upper
43 100
74 24.5 19.0 28.6



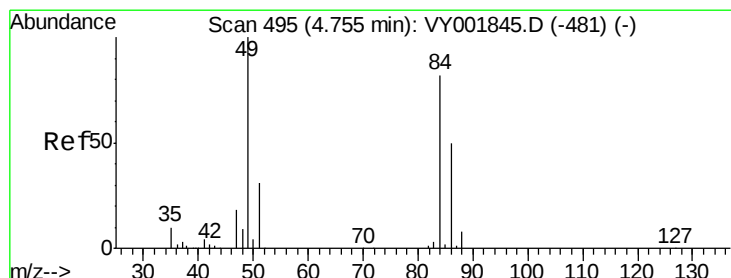
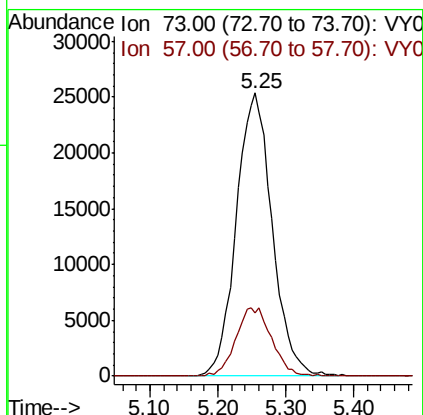
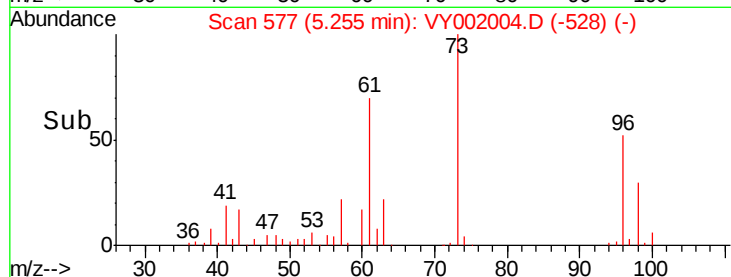
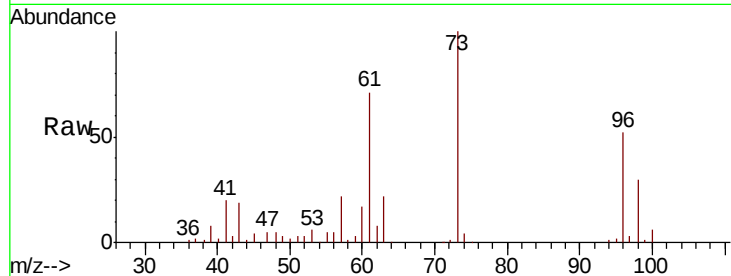


#19

Methyl tert-butyl Ether
 Concen: 19.828 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

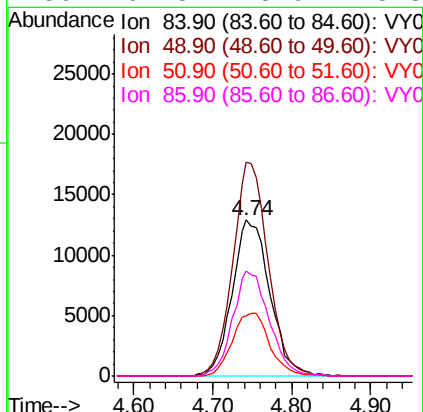
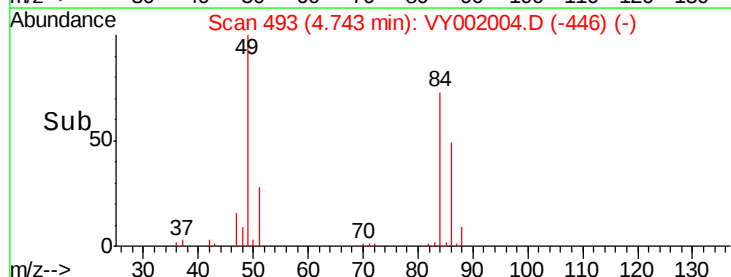
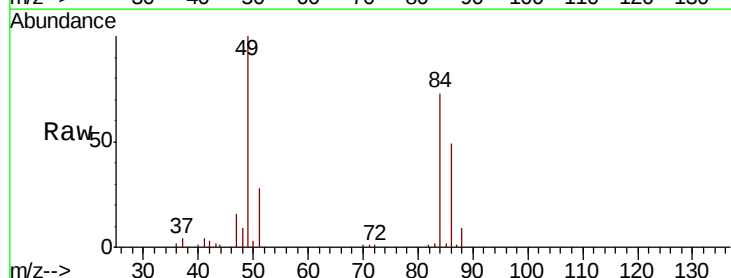
Tot Ion: 73 Resp: 92755
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.4 26.2



#20

Methylene Chloride
 Concen: 20.708 ug/l
 RT: 4.74 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 84 Resp: 42845
 Ion Ratio Lower Upper
 84 100
 49 137.3 98.2 147.2
 51 39.0 30.2 45.2
 86 67.8 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.761 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

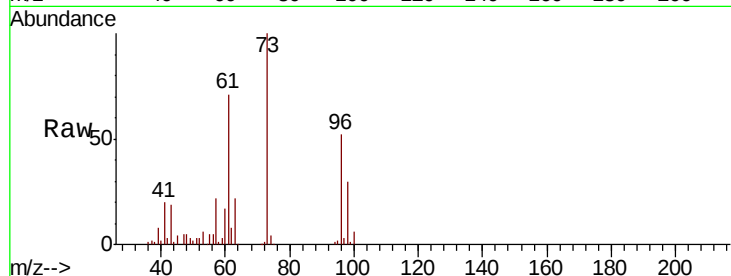
Tot Ion: 96 Resp: 40678

Ion Ratio Lower Upper

96 100

61 135.8 107.7 161.5

98 57.7 49.3 73.9

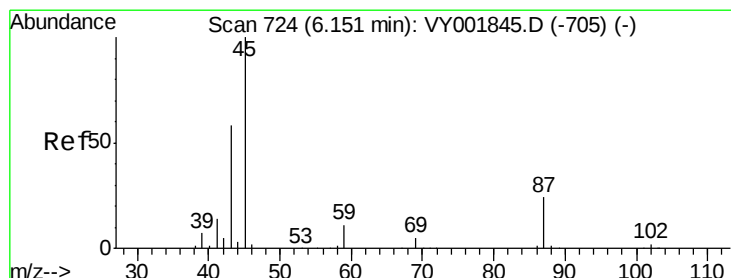
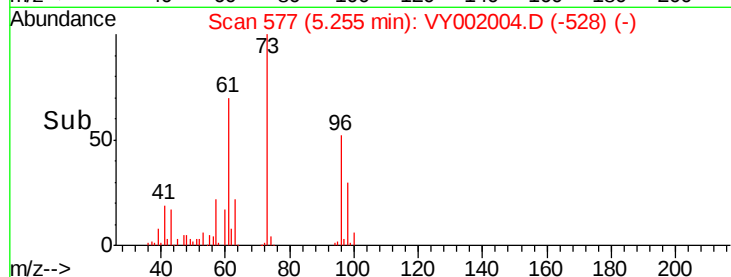
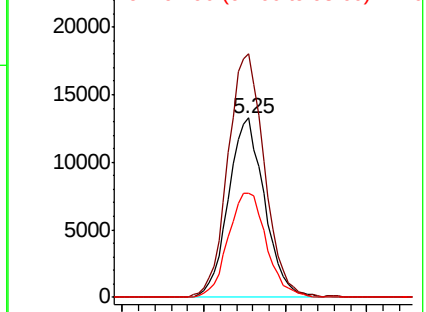


Abundance

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: 21.168 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion: 45 Resp: 132784

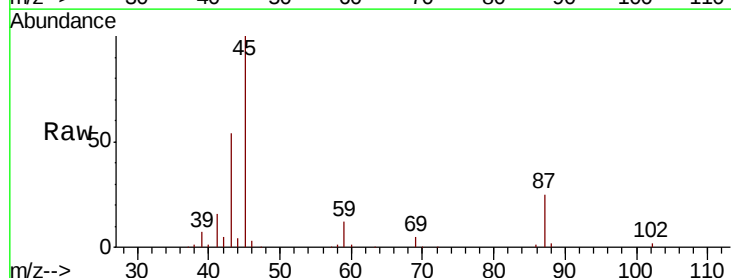
Ion Ratio Lower Upper

45 100

43 54.1 47.2 70.8

87 25.4 19.8 29.8

59 12.0 8.8 13.2



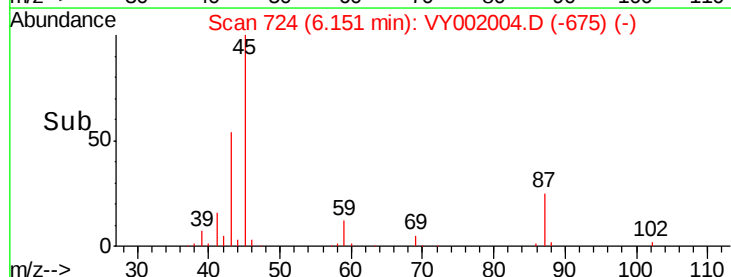
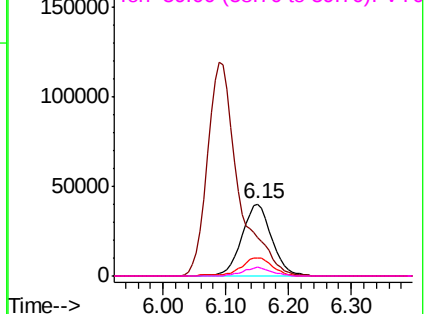
Abundance

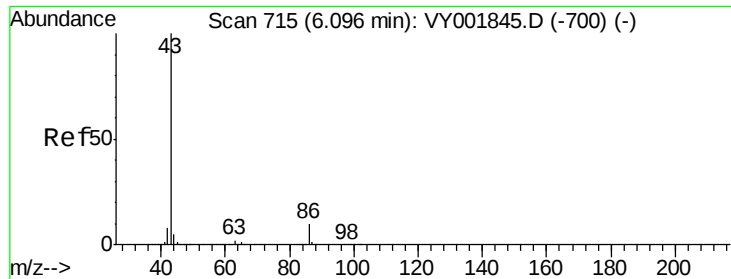
Ion 45.00 (44.70 to 45.70): VY0

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: 98.700 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

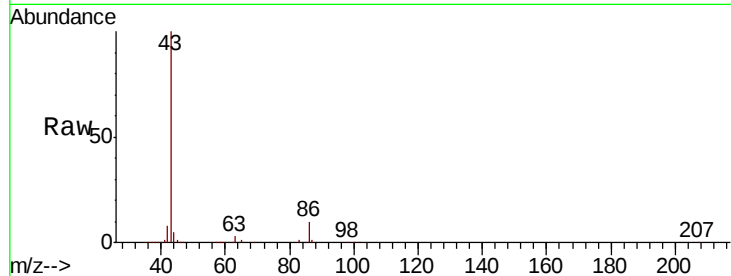
VY0318SBS01

Tot Ion: 43 Resp: 405888

Ion Ratio Lower Upper

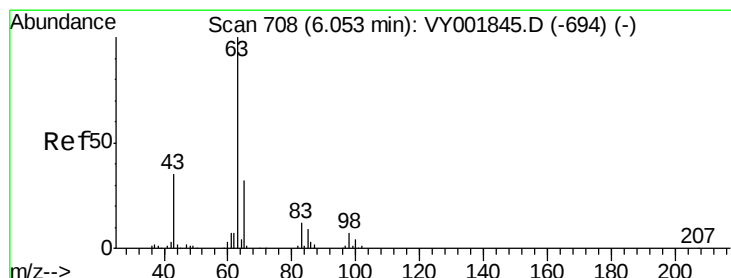
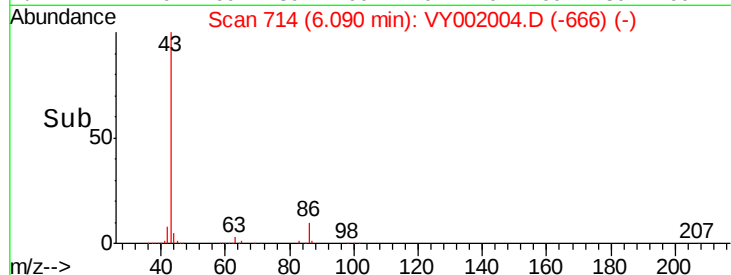
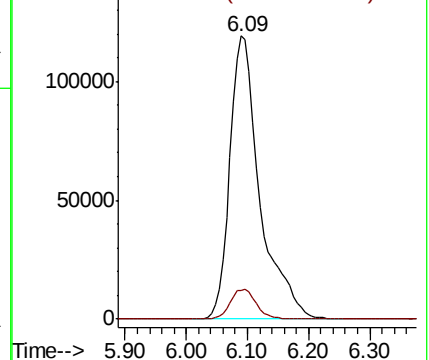
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.024 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

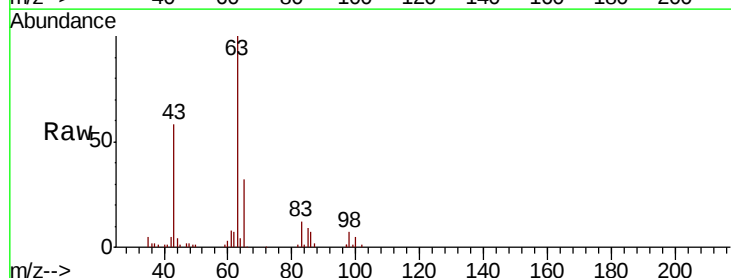
Tgt Ion: 63 Resp: 71419

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

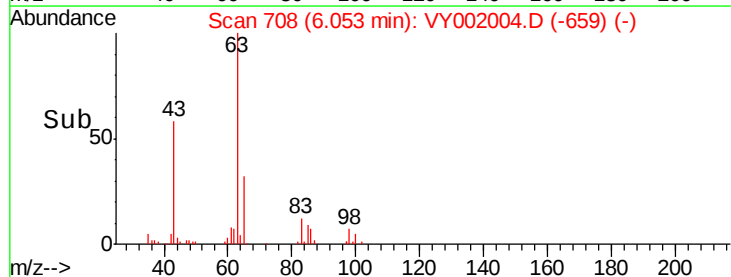
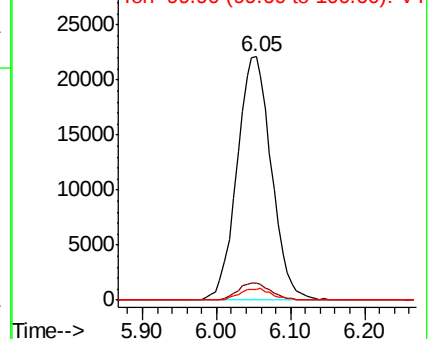
100 4.5 2.0 6.0

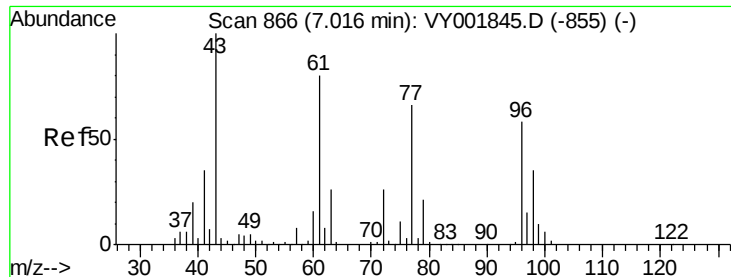


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 92.174 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

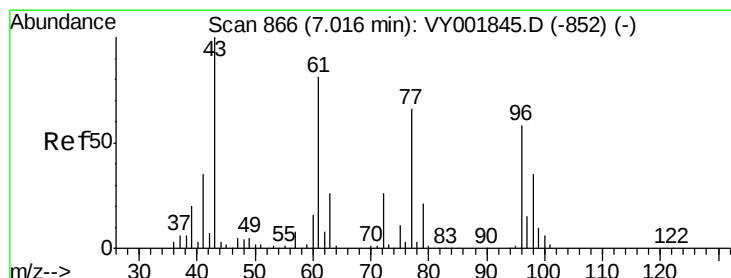
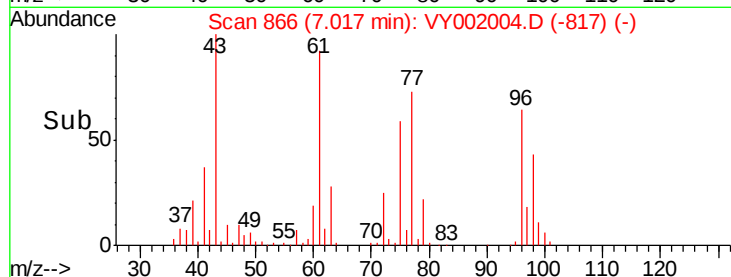
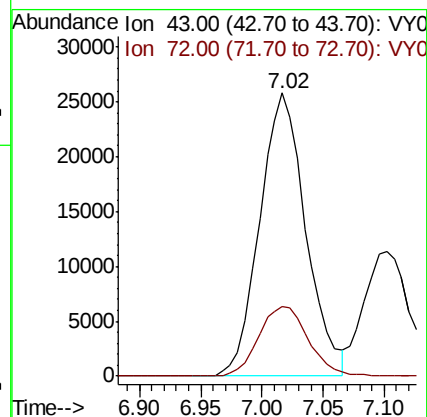
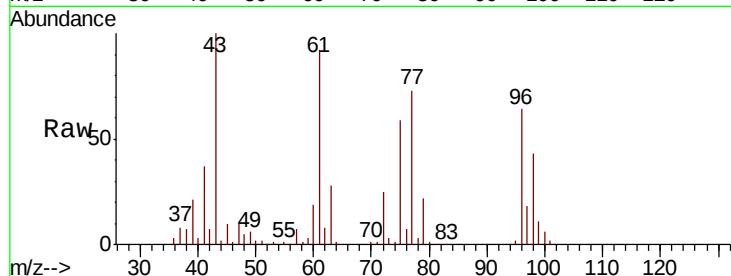
VY0318SBS01

Tot Ion: 43 Resp: 67670

Ion Ratio Lower Upper

43 100

72 24.7 20.9 31.3



#26

2,2-Dichloropropane

Concen: 21.747 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002004.D

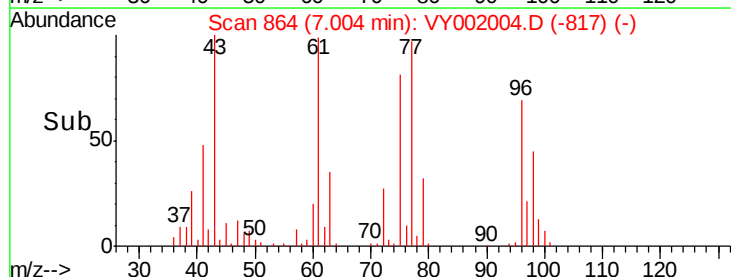
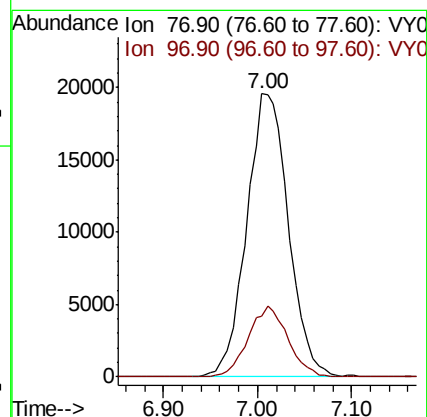
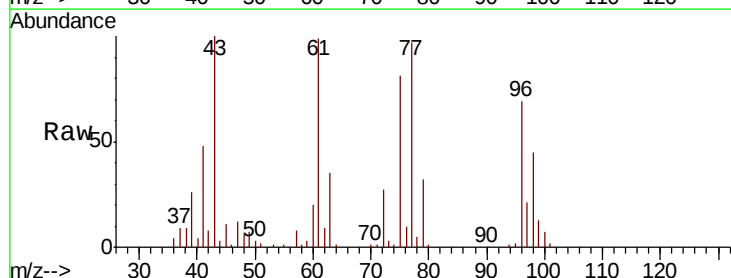
Acq: 18 Mar 2020 11:25

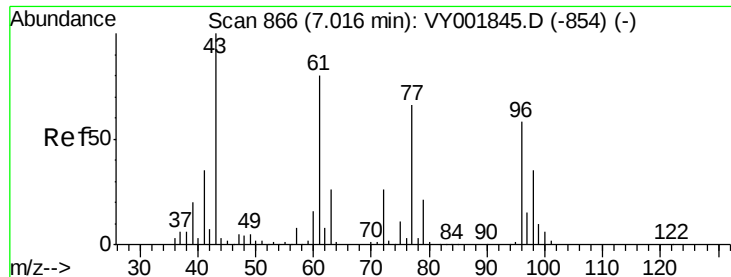
Tgt Ion: 77 Resp: 60633

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7



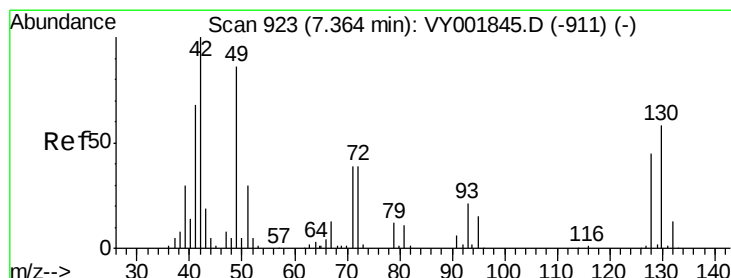
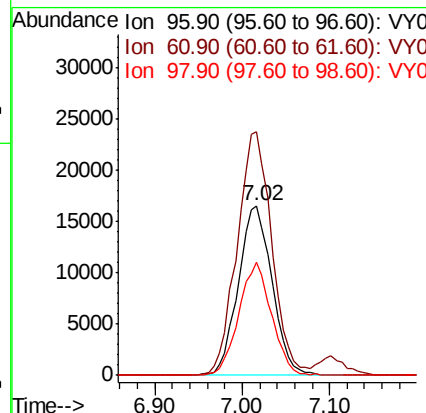
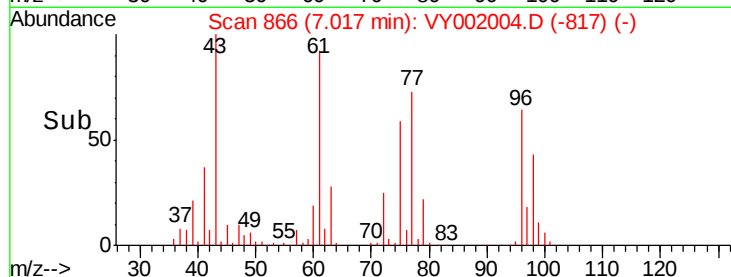
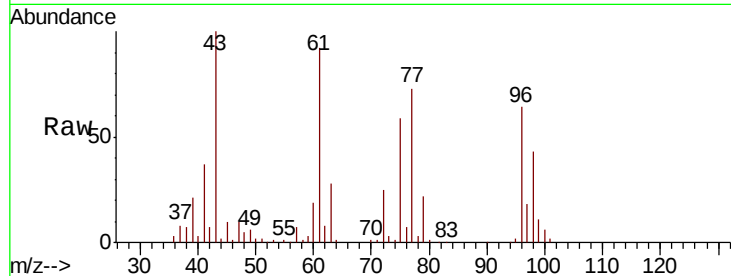


#27

cis-1,2-Dichloroethene
Concen: 20.785 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

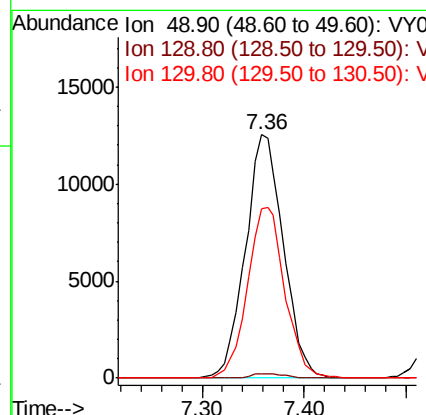
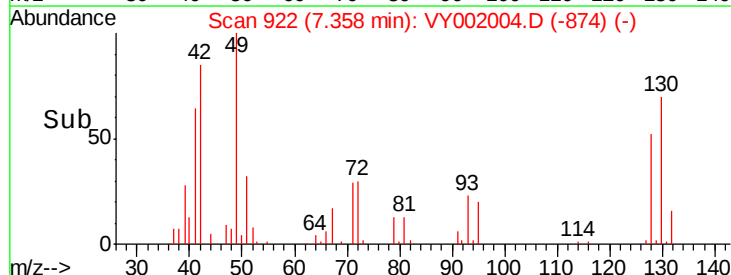
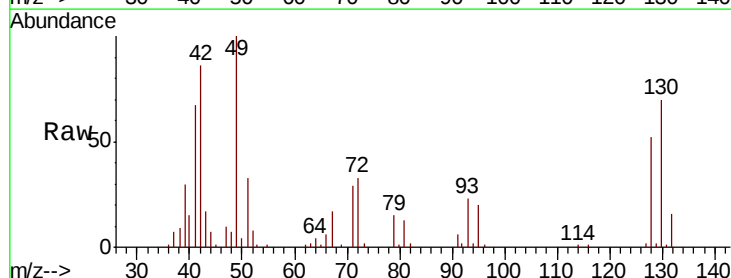
Tot Ion: 96 Resp: 44298
Ion Ratio Lower Upper
96 100
61 147.4 0.0 288.2
98 64.3 0.0 129.0

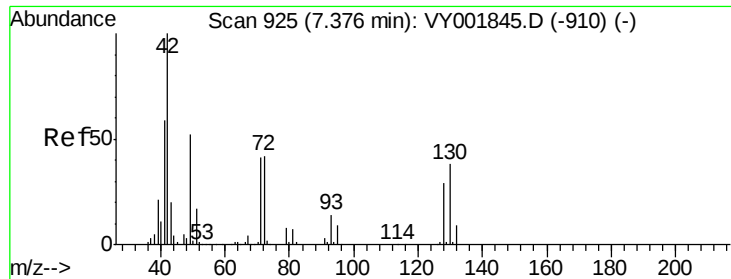


#28

Bromochloromethane
Concen: 21.168 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 49 Resp: 32412
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 69.0 54.4 81.6

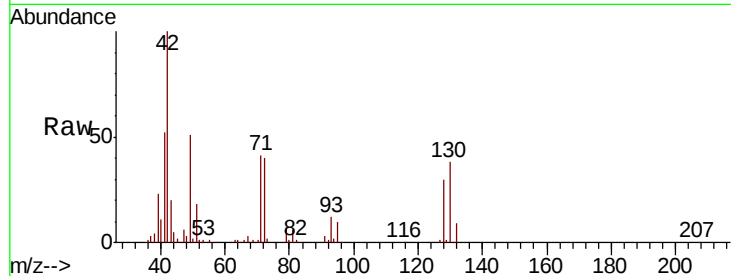




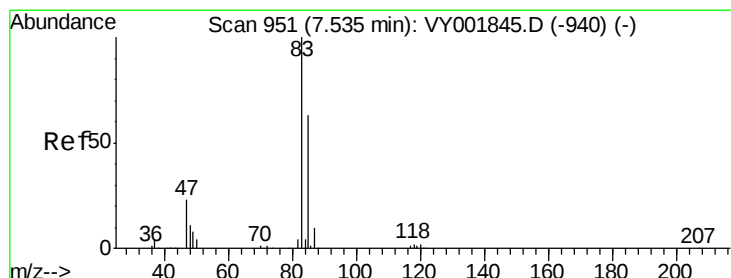
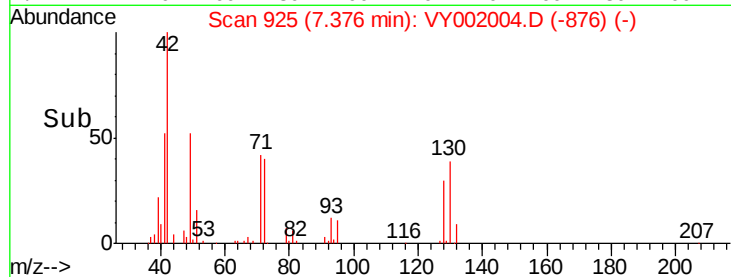
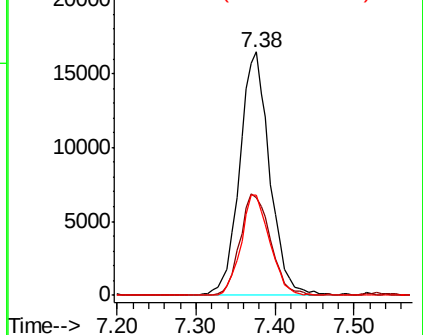
#29
Tetrahydrofuran
Concen: 89.394 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 42 Resp: 43582
Ion Ratio Lower Upper
42 100
72 42.3 33.5 50.3
71 39.4 31.3 46.9

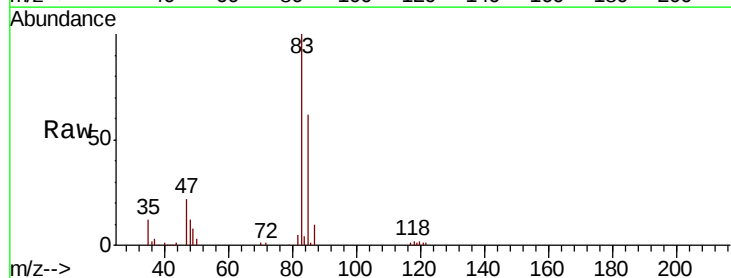


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

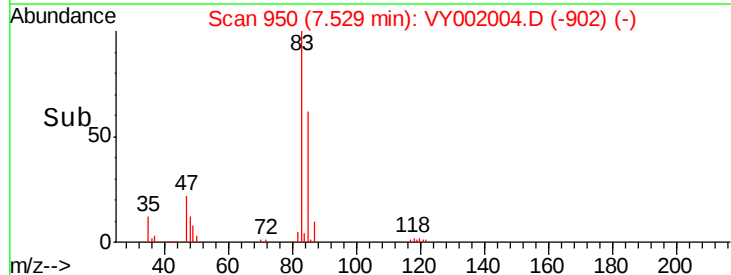
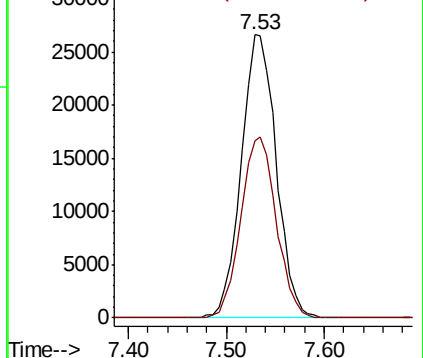


#30
Chloroform
Concen: 20.724 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 83 Resp: 66141
Ion Ratio Lower Upper
83 100
85 62.4 50.7 76.1



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





#31

Cyclohexane

Concen: 20.074 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

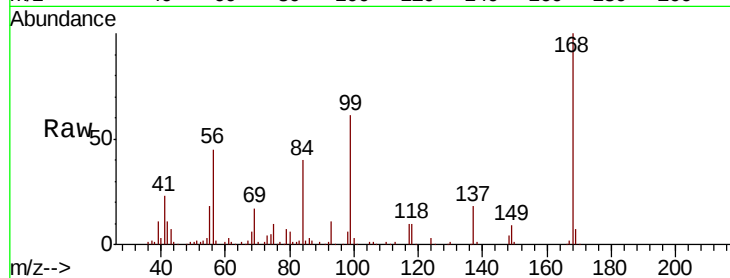
Tot Ion: 56 Resp: 73116

Ion Ratio Lower Upper

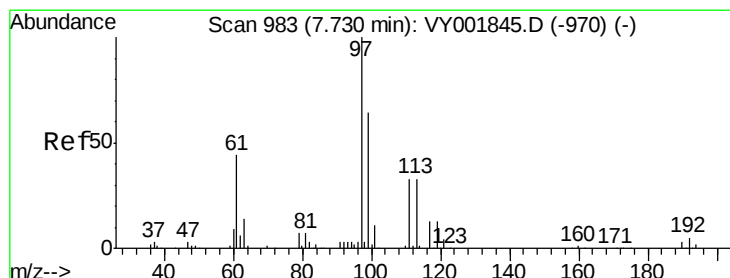
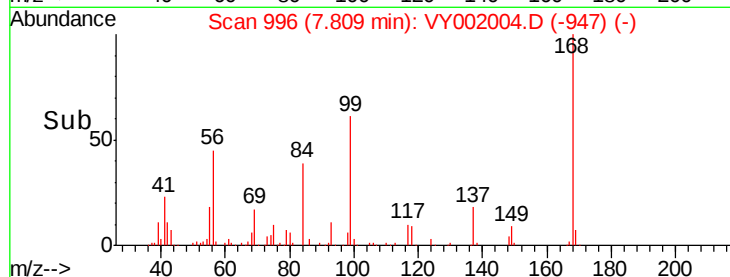
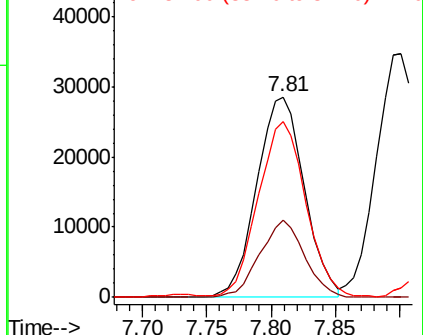
56 100

69 38.2 26.7 40.1

84 85.8 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 21.287 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

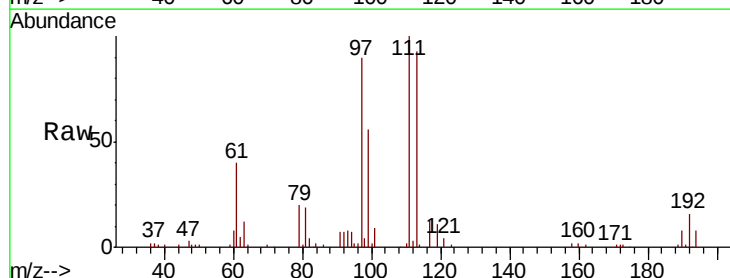
Tgt Ion: 97 Resp: 57262

Ion Ratio Lower Upper

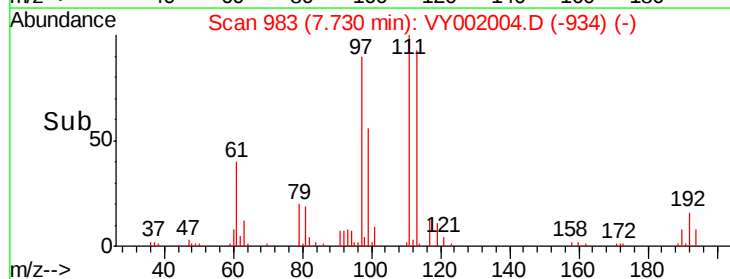
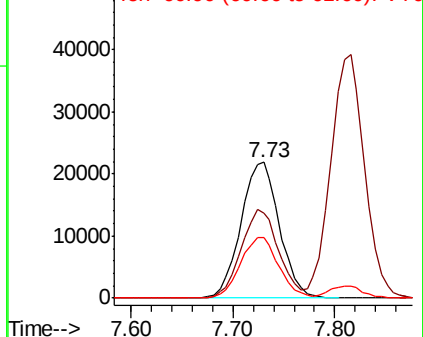
97 100

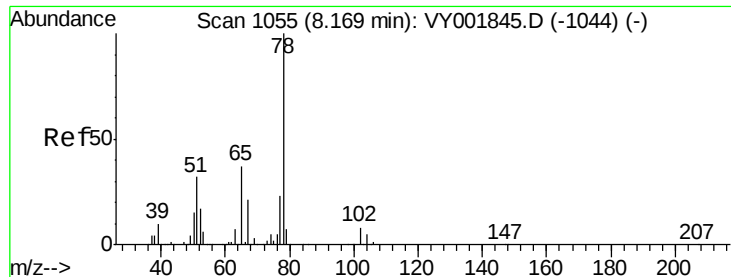
99 63.3 52.0 78.0

61 44.7 35.0 52.4



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

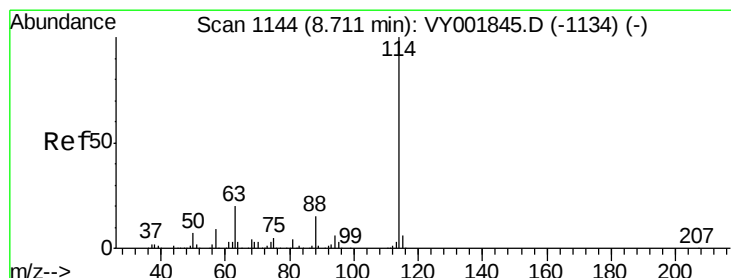
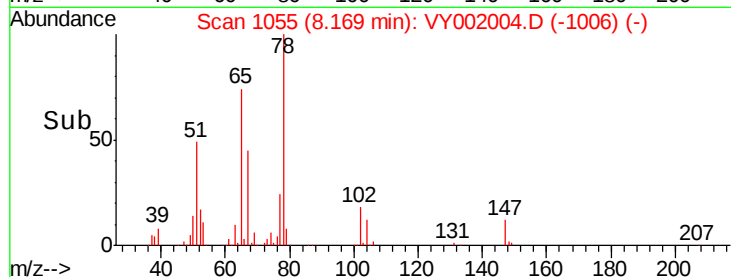
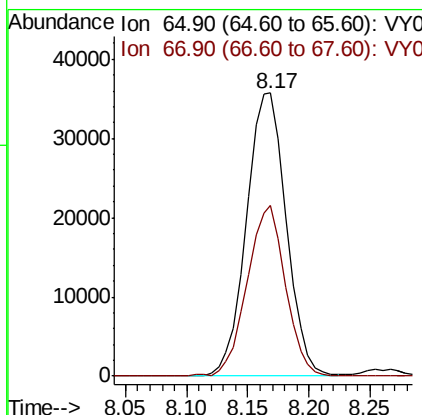
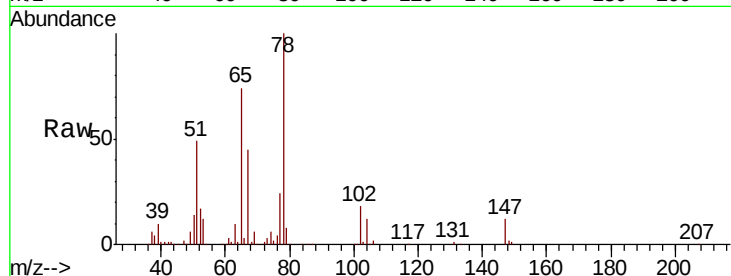




#33
 1,2-Dichloroethane-d4
 Concen: 48.821 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

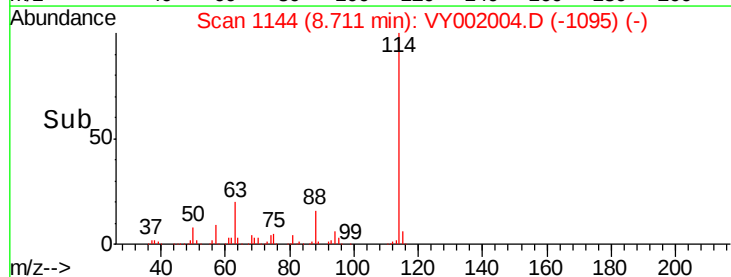
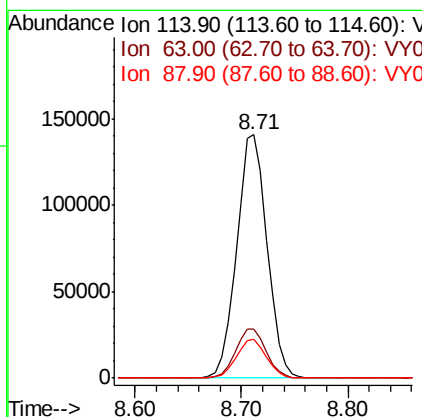
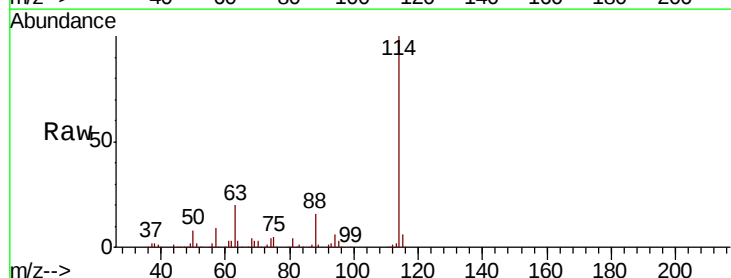
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

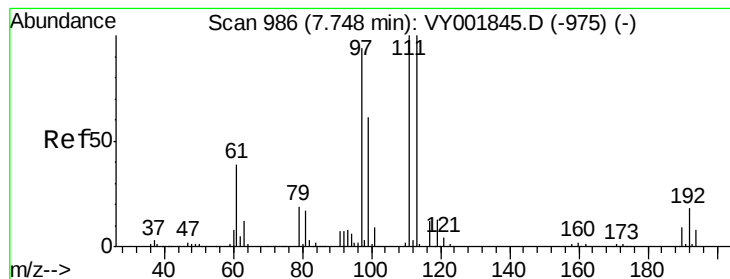
Tot Ion: 65 Resp: 80921
 Ion Ratio Lower Upper
 65 100
 67 58.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 114 Resp: 280456
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.460 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

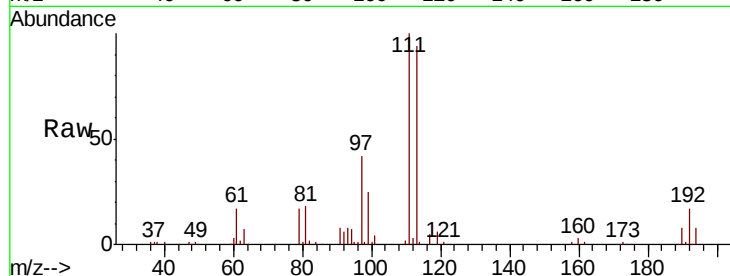
Tot Ion:113 Resp: 78806

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

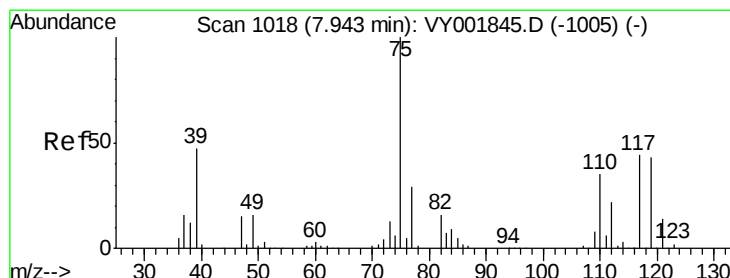
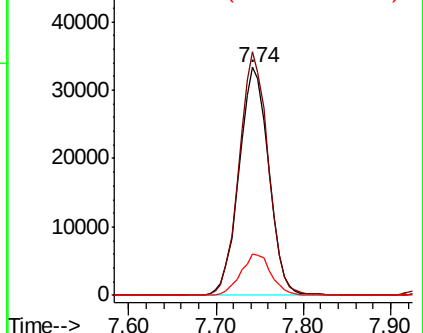
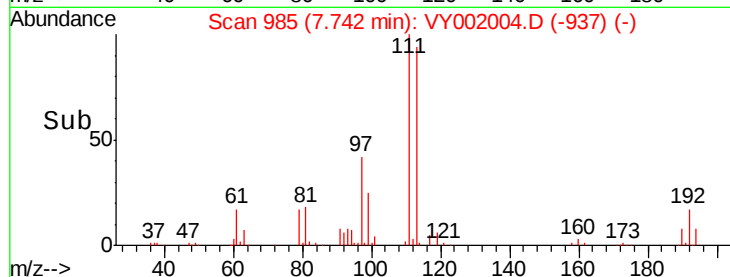
192 18.4 14.2 21.2



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: 20.888 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

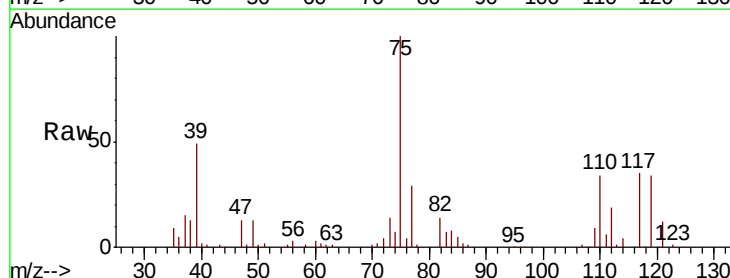
Tgt Ion: 75 Resp: 56374

Ion Ratio Lower Upper

75 100

110 34.4 17.4 52.2

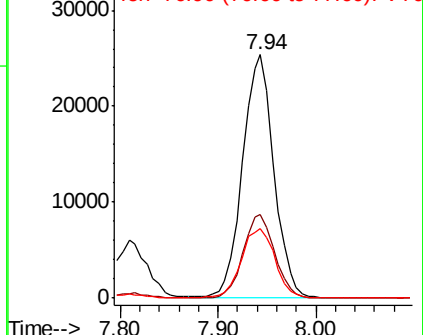
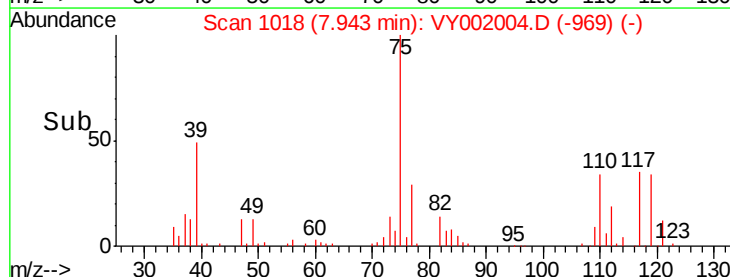
77 30.7 24.2 36.2

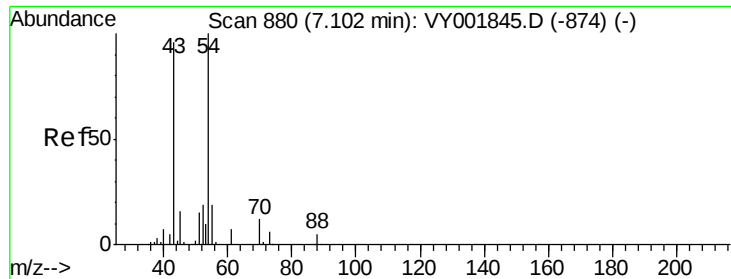


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

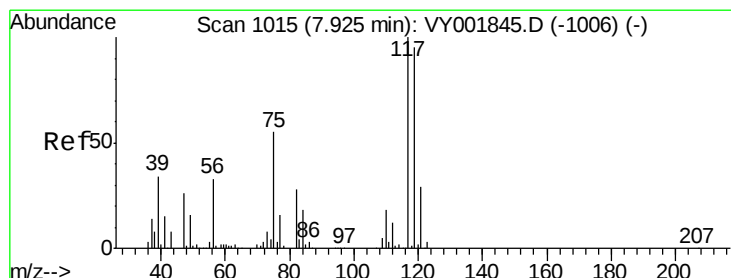
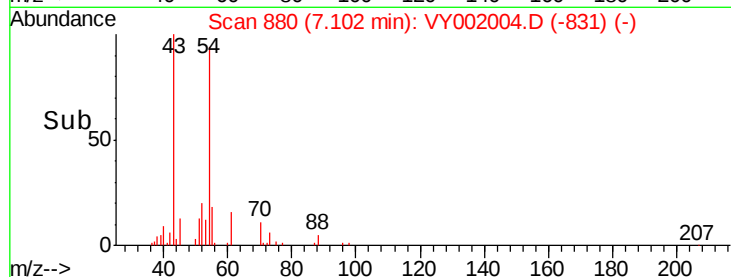
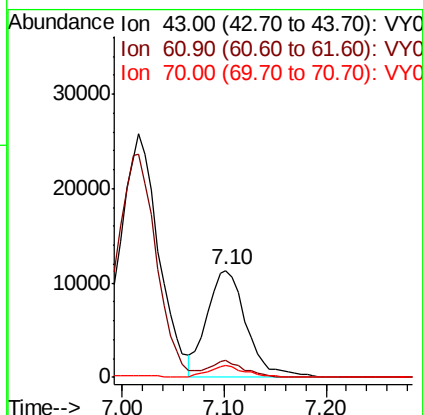
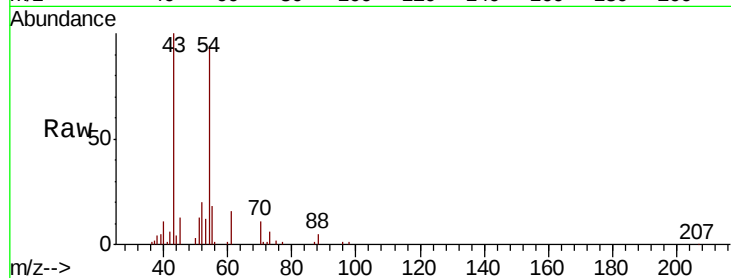




#37
Ethyl Acetate
Concen: 19.497 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

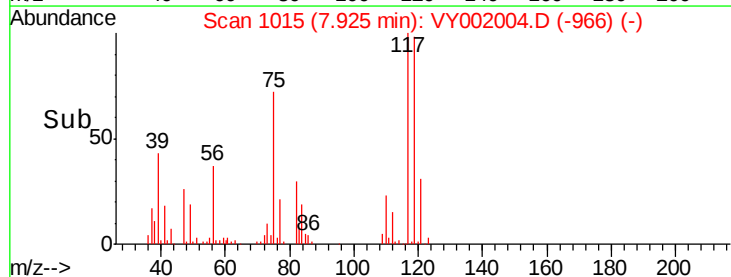
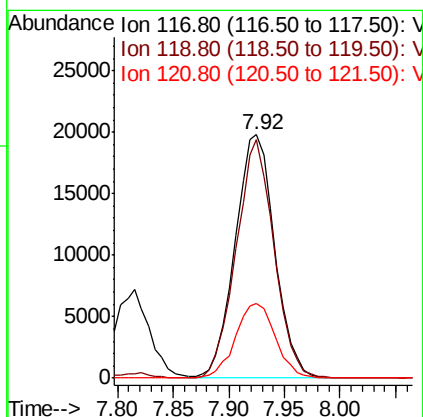
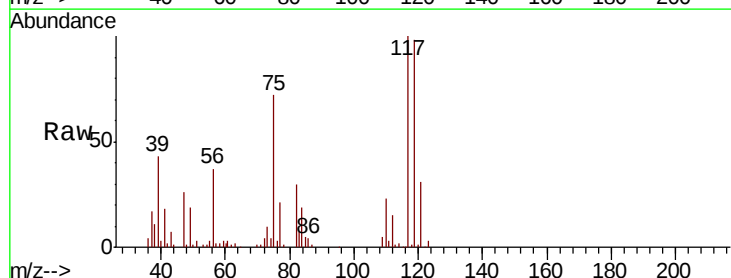
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

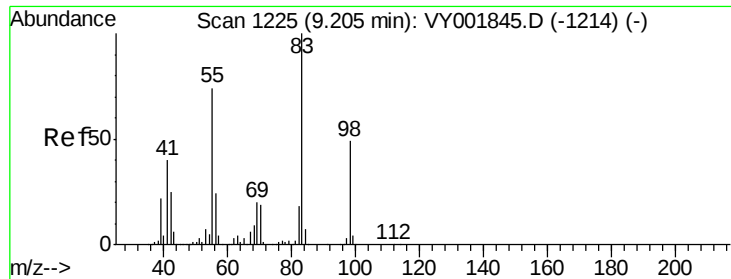
Tot Ion: 43 Resp: 30582
Ion Ratio Lower Upper
43 100
61 12.7 11.1 16.7
70 10.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 21.234 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 117 Resp: 48956
Ion Ratio Lower Upper
117 100
119 98.2 76.3 114.5
121 30.6 23.5 35.3

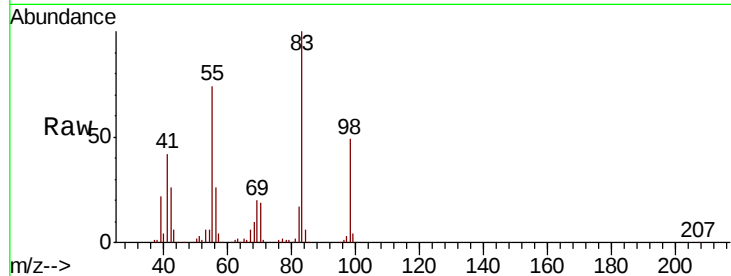




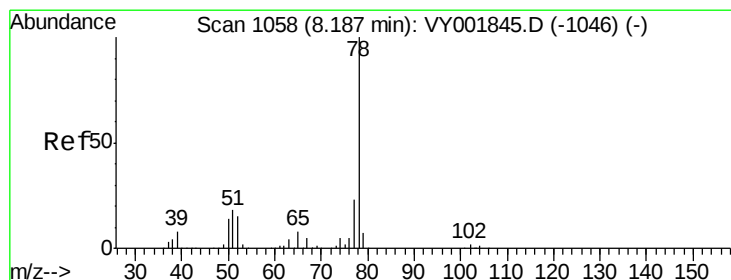
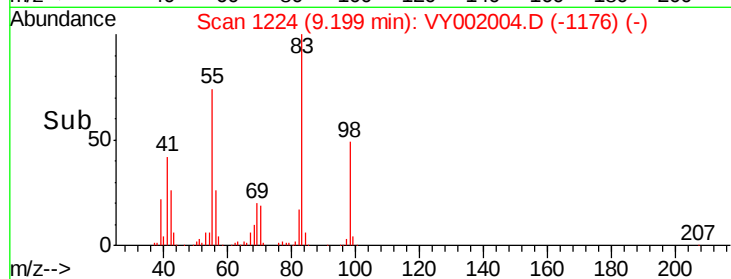
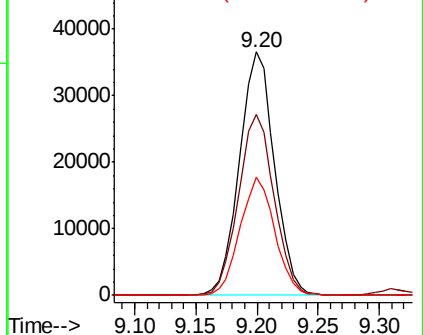
#39
Methylcyclohexane
Concen: 20.373 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 83 Resp: 72927
Ion Ratio Lower Upper
83 100
55 74.4 59.4 89.0
98 48.7 38.9 58.3

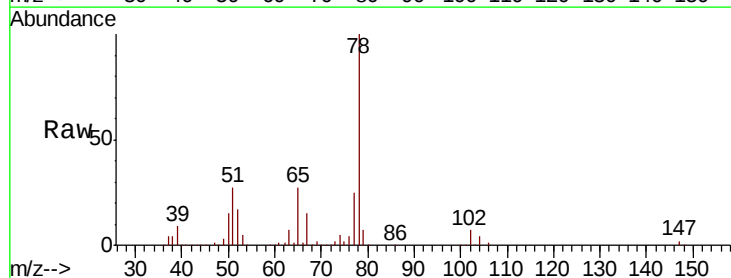


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

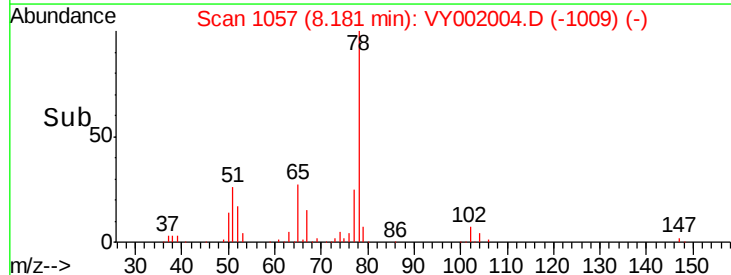
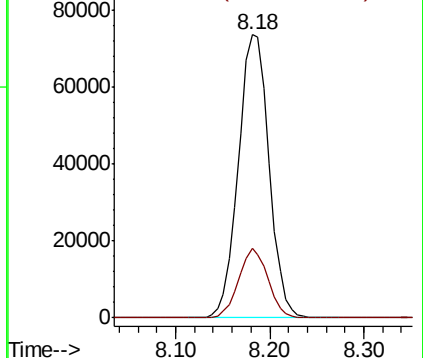


#40
Benzene
Concen: 20.947 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 78 Resp: 167562
Ion Ratio Lower Upper
78 100
77 24.7 18.7 28.1



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

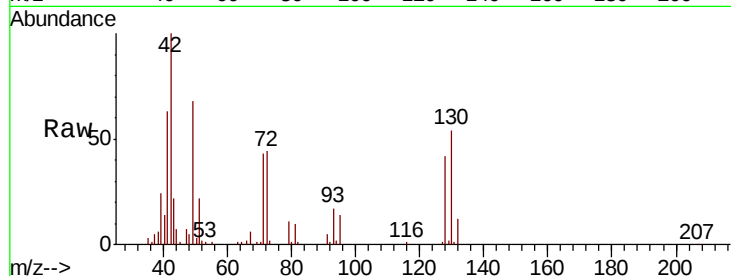




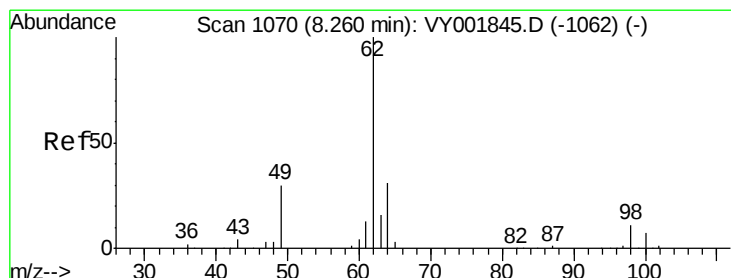
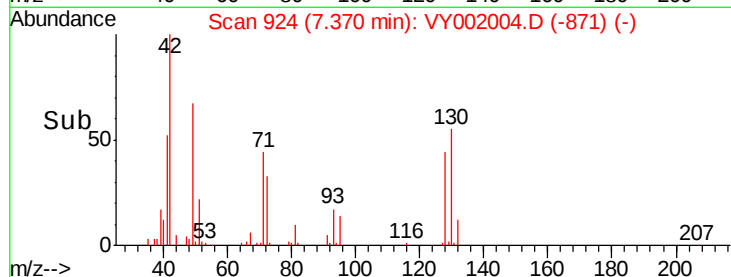
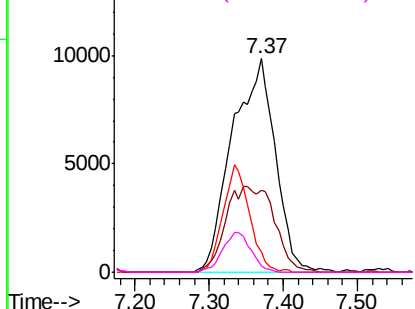
#41
Methacrylonitrile
Concen: 56.609 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 41 Resp: 39961
Ion Ratio Lower Upper
41 100
39 45.1 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

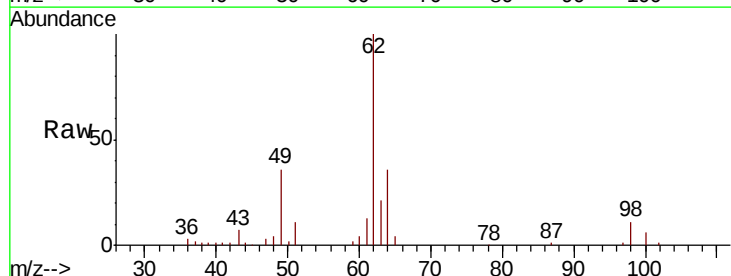


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

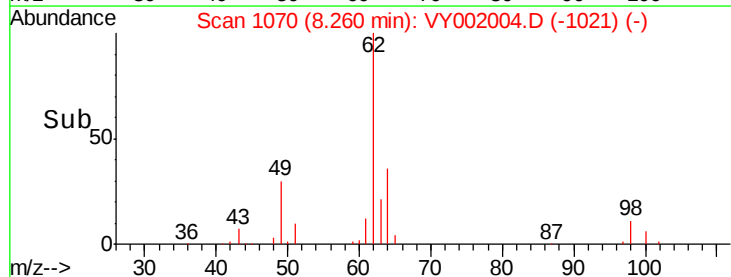
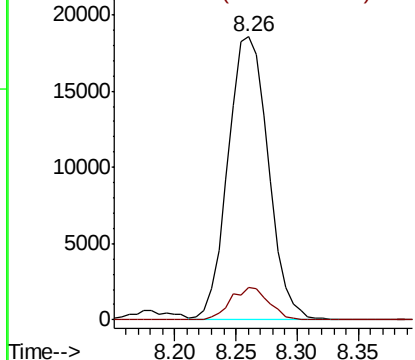


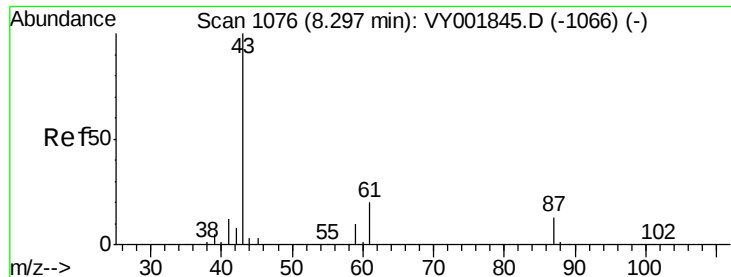
#42
1,2-Dichloroethane
Concen: 20.615 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 62 Resp: 42493
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4



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

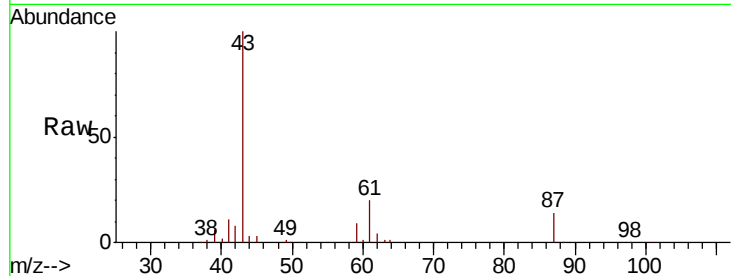




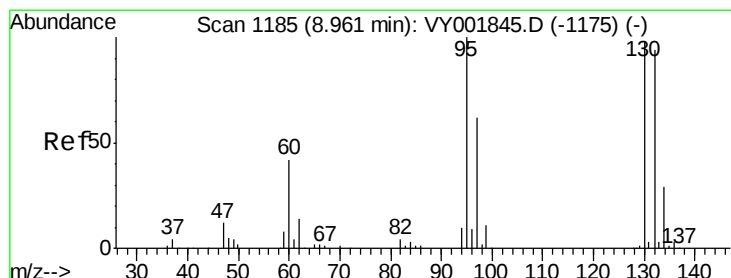
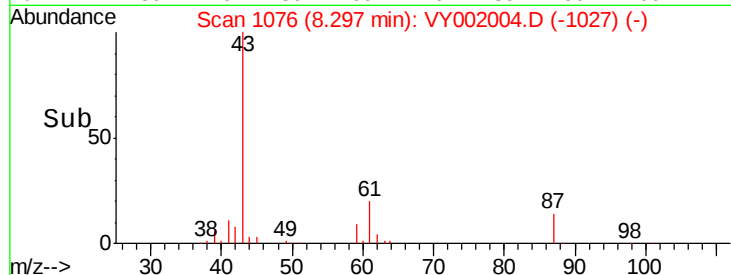
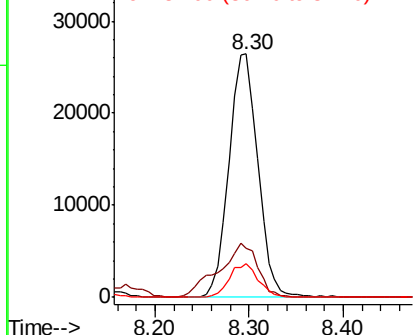
#43
Isopropyl Acetate
Concen: 19.061 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 43 Resp: 56607
Ion Ratio Lower Upper
43 100
61 29.9 23.8 35.6
87 13.7 10.9 16.3

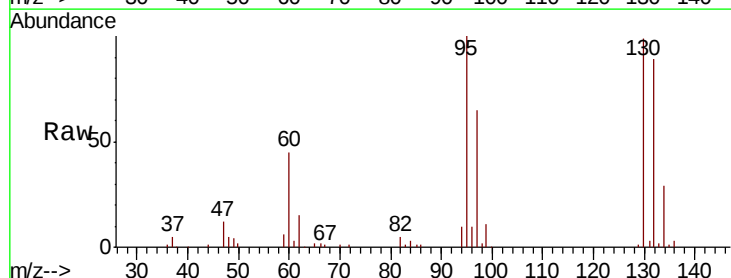


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

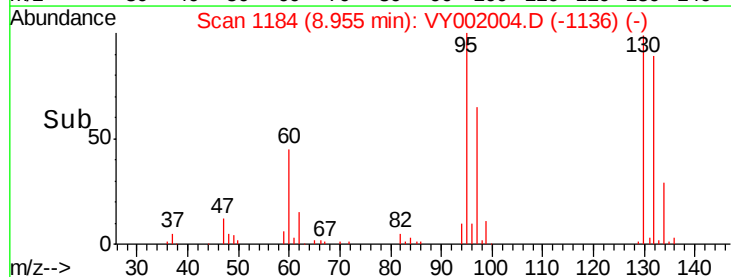
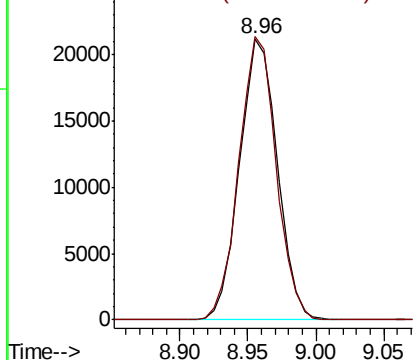


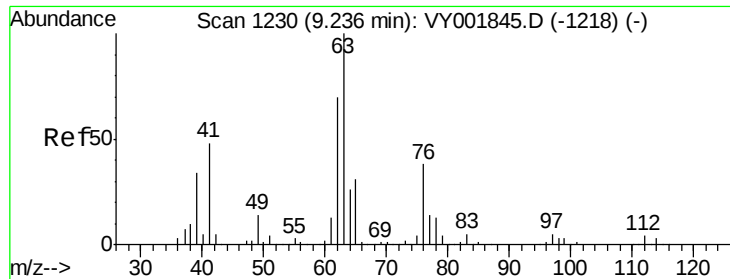
#44
Trichloroethene
Concen: 21.138 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:130 Resp: 41180
Ion Ratio Lower Upper
130 100
95 100.7 0.0 204.6



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

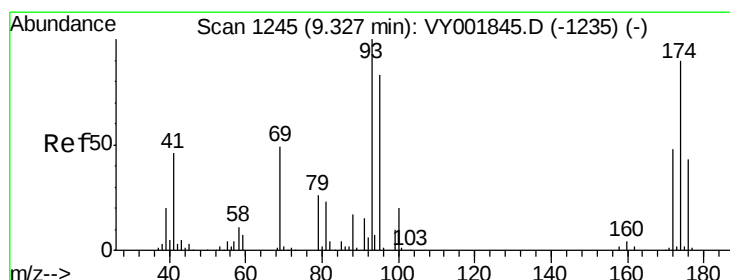
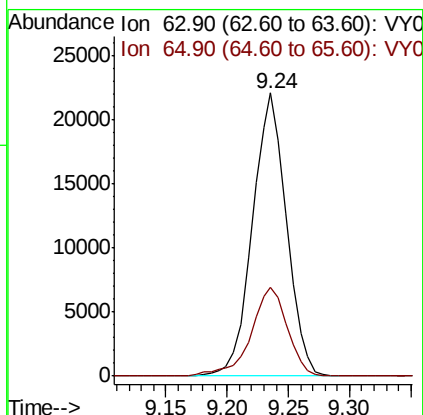
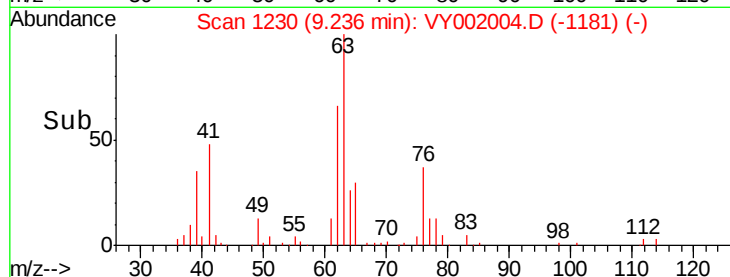
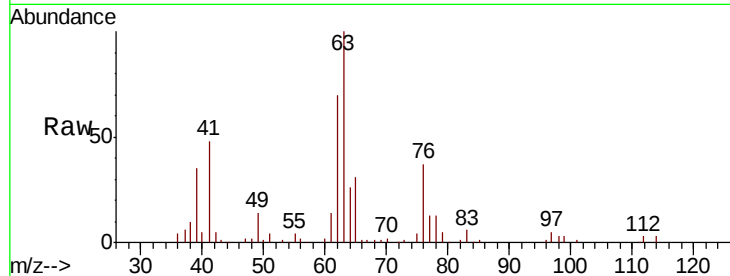




#45
 1,2-Dichloropropane
 Concen: 21.265 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

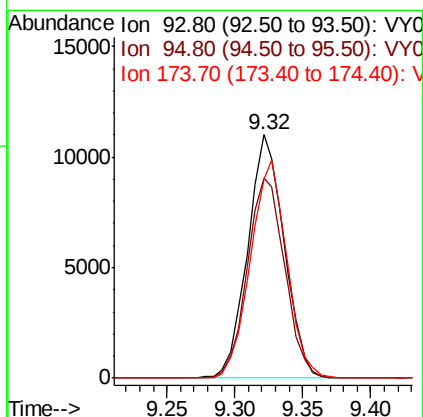
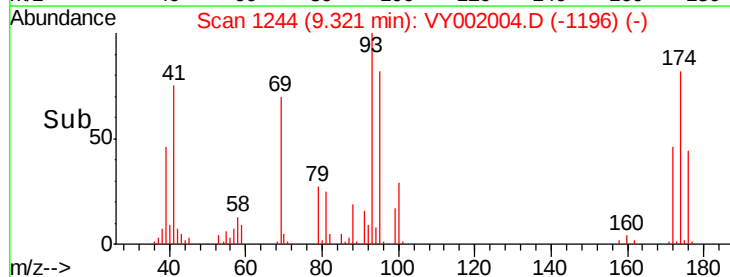
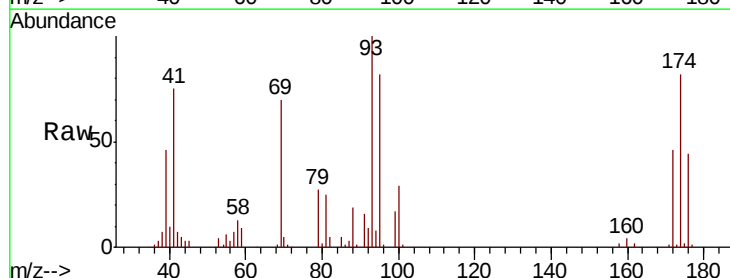
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

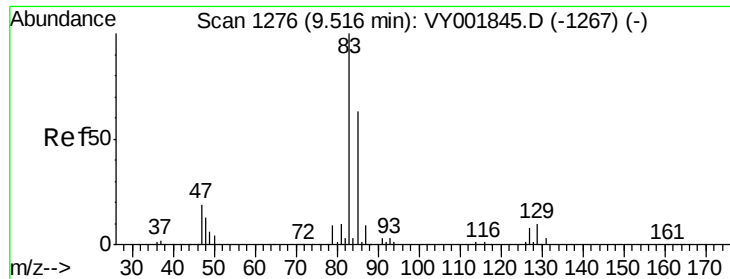
Tot Ion: 63 Resp: 42761
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#46
 Dibromomethane
 Concen: 19.933 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 93 Resp: 20656
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 88.9 71.8 107.8





#47

Bromodichloromethane

Concen: 21.321 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

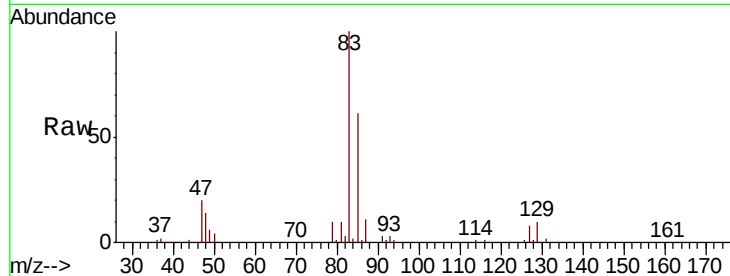
Tot Ion: 83 Resp: 51396

Ion Ratio Lower Upper

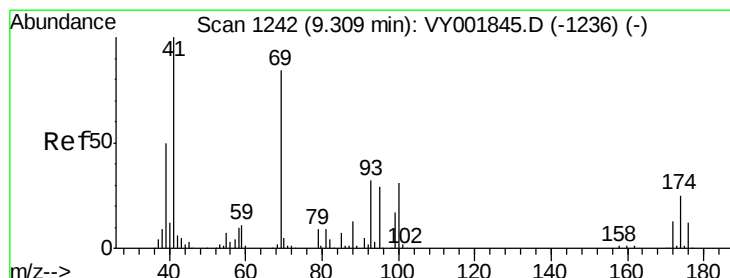
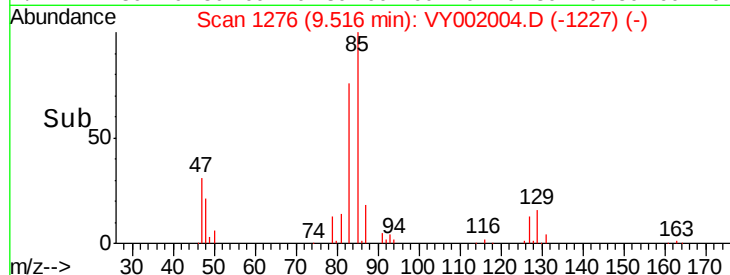
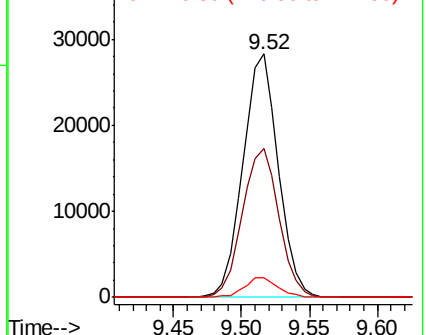
83 100

85 61.1 50.6 76.0

127 7.9 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: 18.422 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

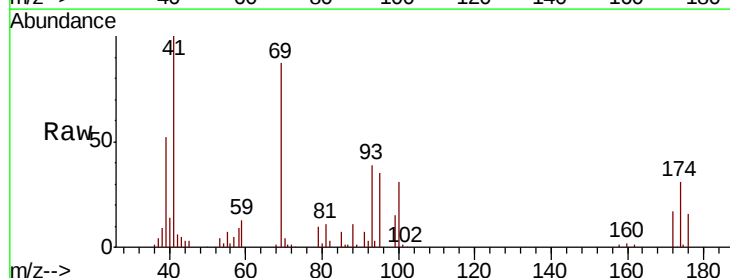
Tgt Ion: 41 Resp: 24276

Ion Ratio Lower Upper

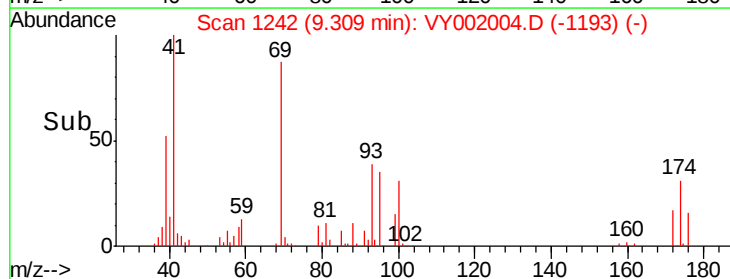
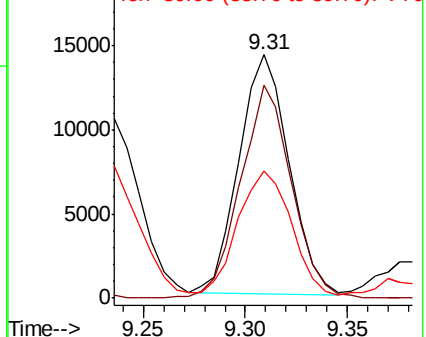
41 100

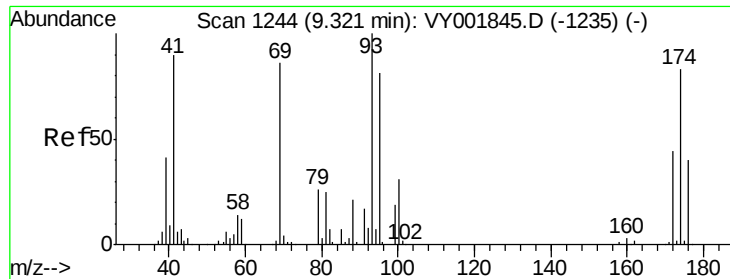
69 90.4 69.0 103.6

39 54.7 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: 369.100 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

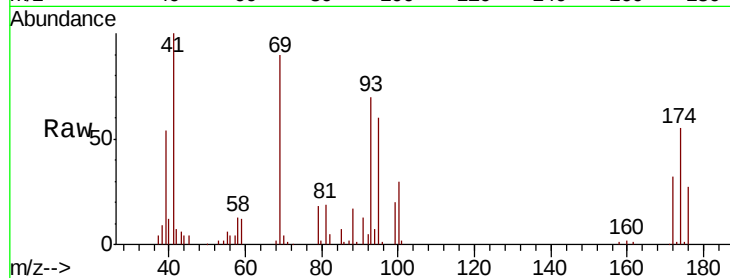
Tot Ion: 88 Resp: 5241

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.6#

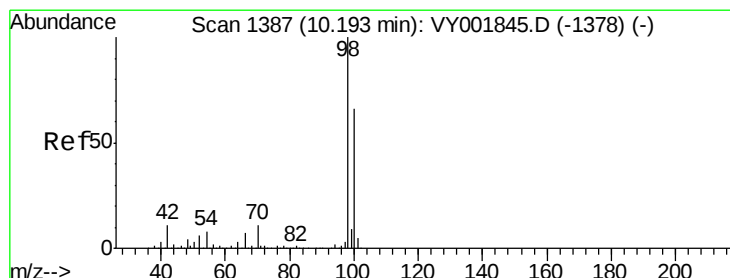
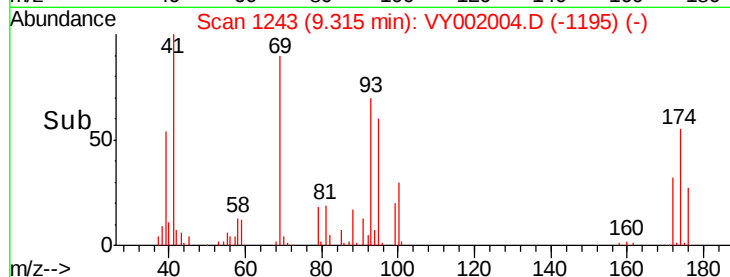
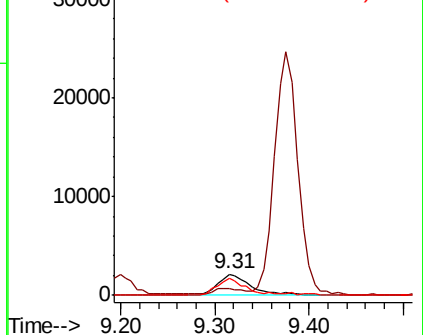
58 74.1 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 50.460 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002004.D

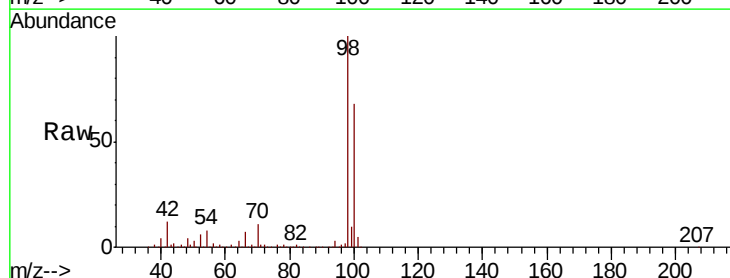
Acq: 18 Mar 2020 11:25

Tgt Ion: 98 Resp: 325854

Ion Ratio Lower Upper

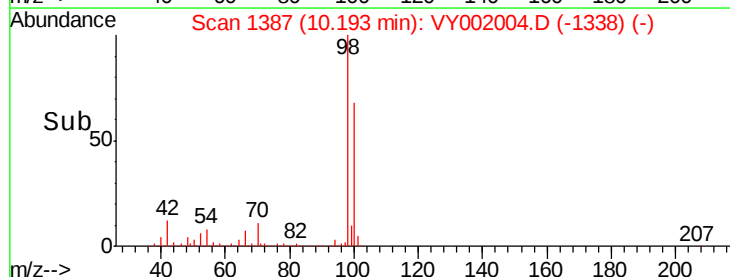
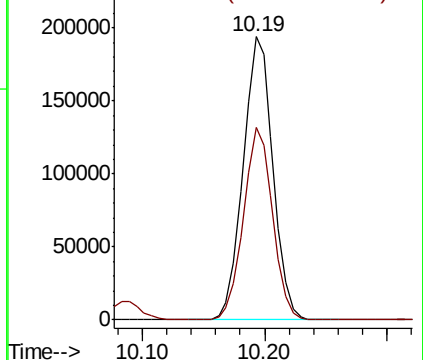
98 100

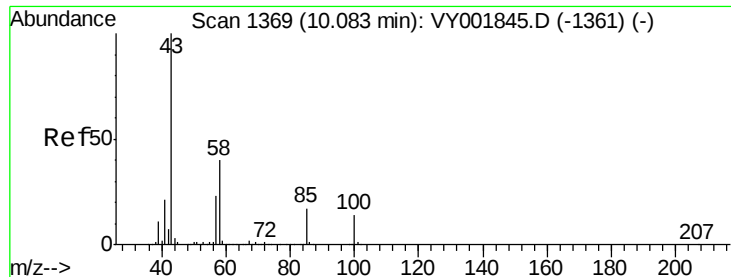
100 66.9 53.0 79.4



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: 96.268 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

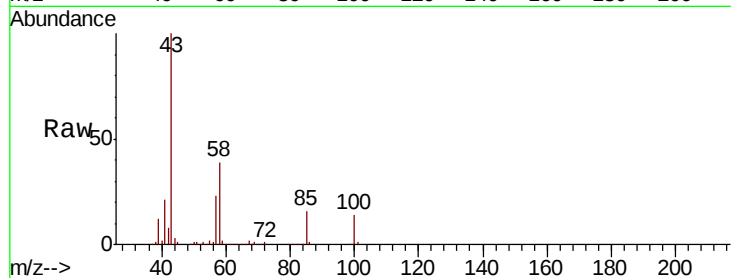
VY0318SBS01

Tot Ion: 43 Resp: 147255

Ion Ratio Lower Upper

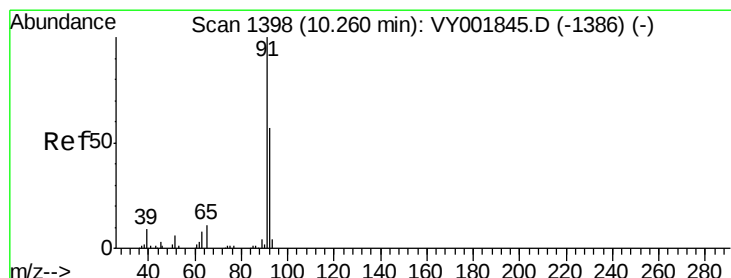
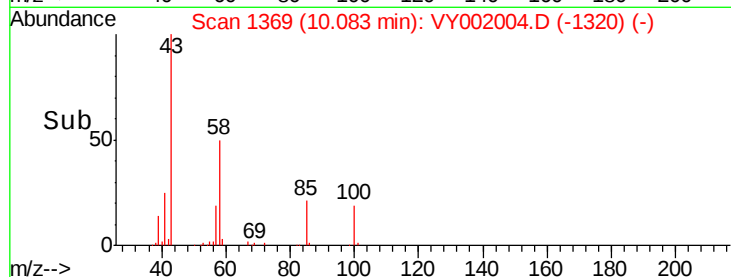
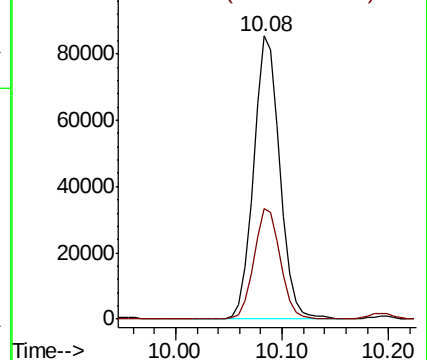
43 100

58 39.3 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 21.414 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY002004.D

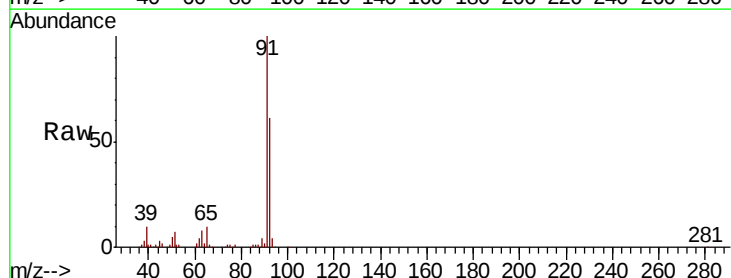
Acq: 18 Mar 2020 11:25

Tgt Ion: 92 Resp: 104061

Ion Ratio Lower Upper

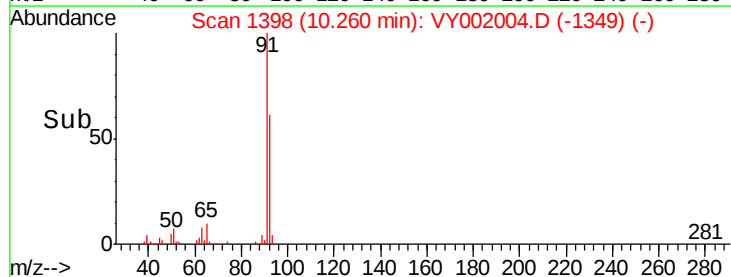
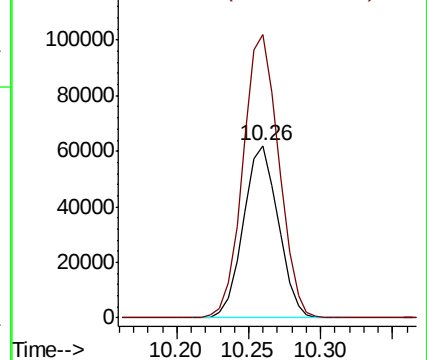
92 100

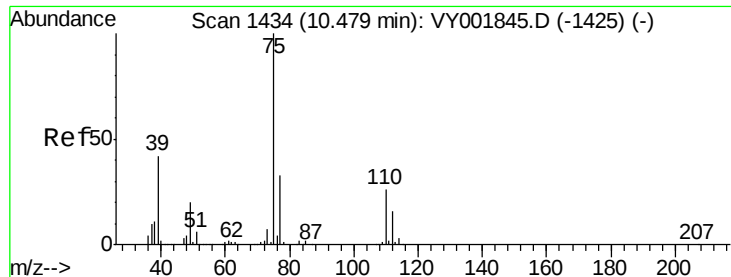
91 168.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 20.570 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

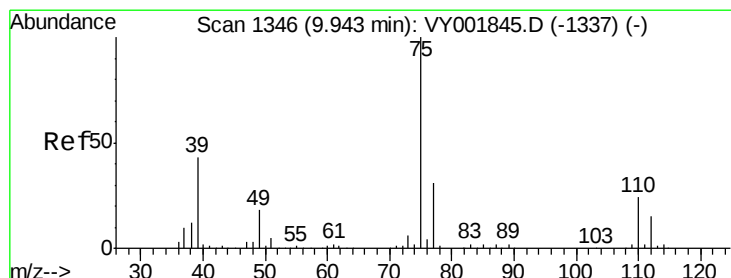
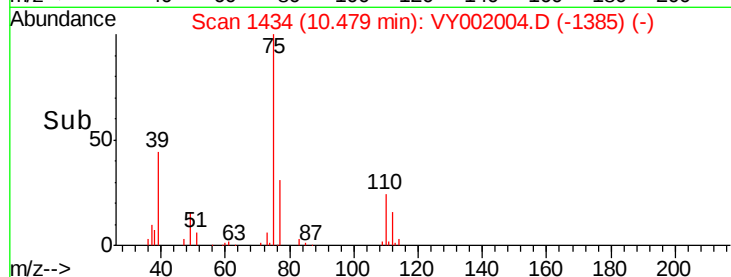
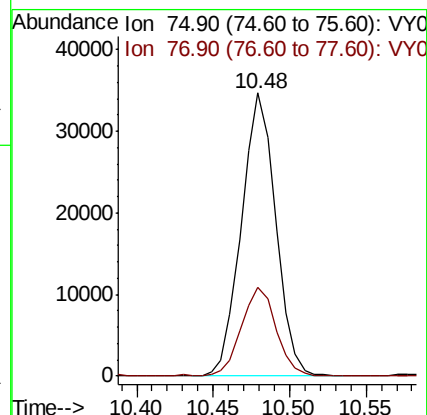
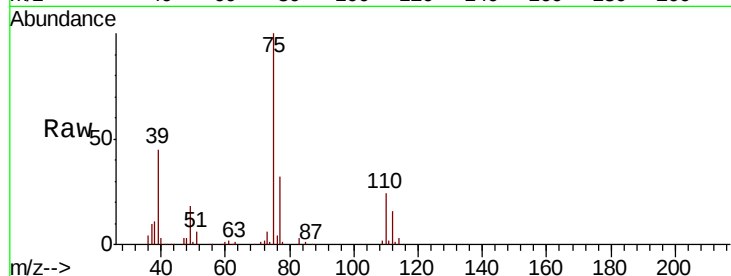
VY0318SBS01

Tot Ion: 75 Resp: 54023

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 20.774 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

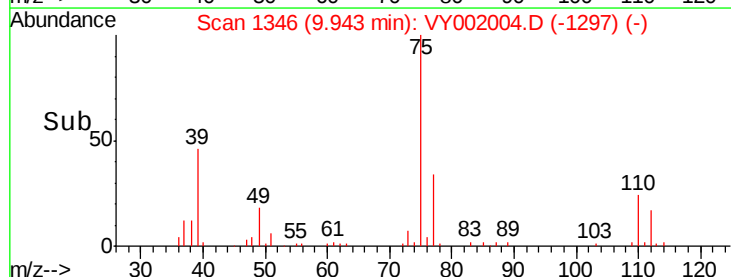
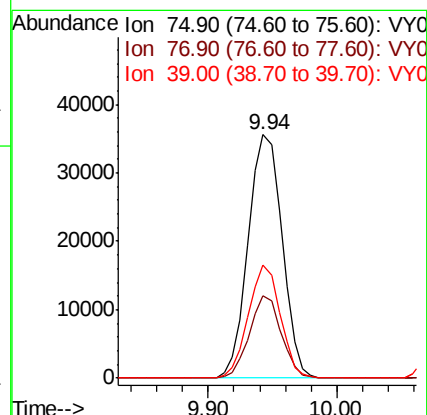
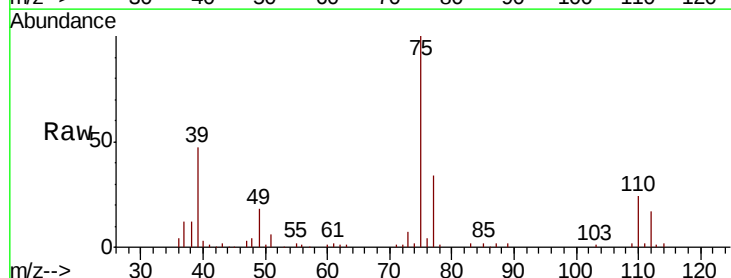
Tgt Ion: 75 Resp: 64950

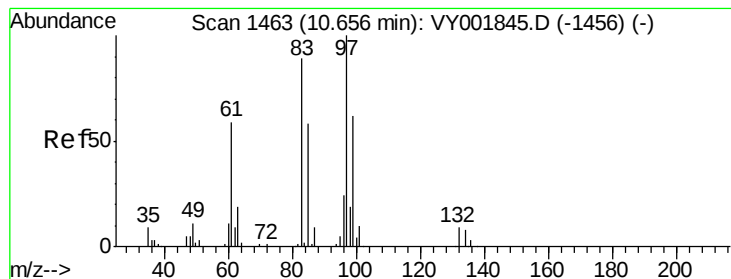
Ion Ratio Lower Upper

75 100

77 33.8 25.1 37.7

39 46.7 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 20.174 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 97 Resp: 30595

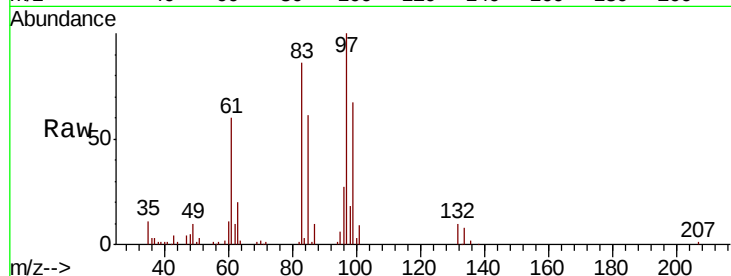
Ion Ratio Lower Upper

97 100

83 85.8 71.6 107.4

85 60.9 46.6 69.8

99 66.8 49.8 74.6

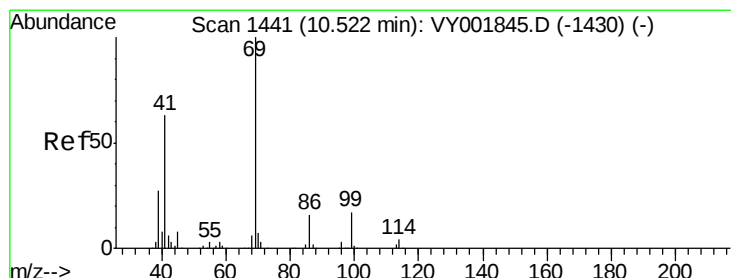
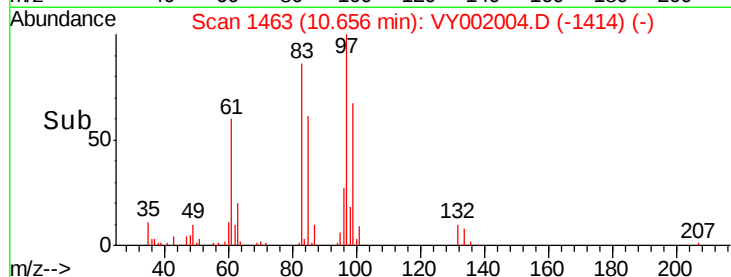
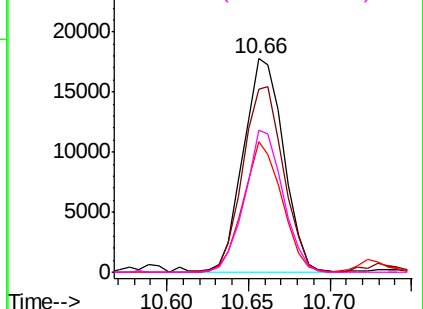


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 19.353 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

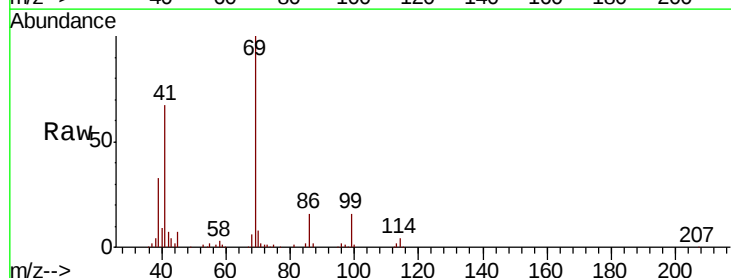
Tgt Ion: 69 Resp: 43019

Ion Ratio Lower Upper

69 100

41 64.4 49.9 74.9

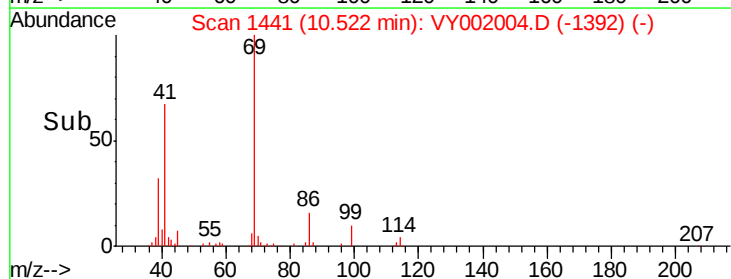
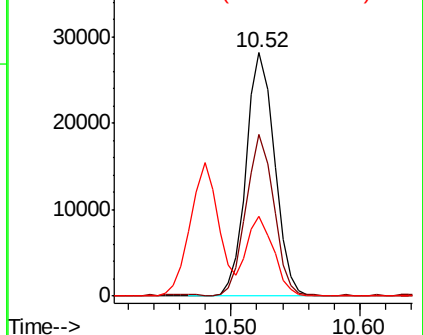
39 30.7 23.0 34.6



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.029 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

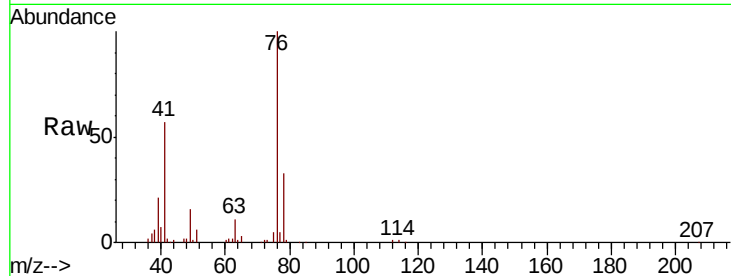
VY0318SBS01

Tot Ion: 76 Resp: 54144

Ion Ratio Lower Upper

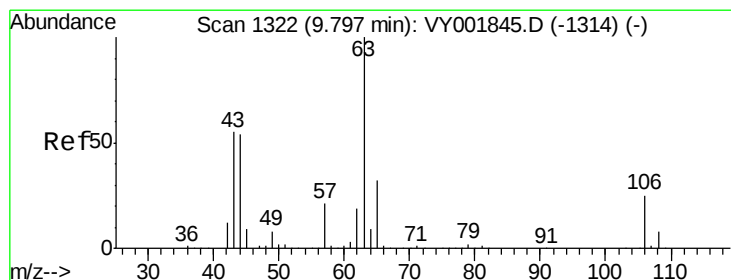
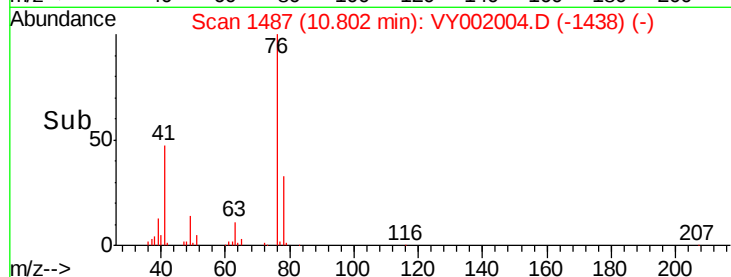
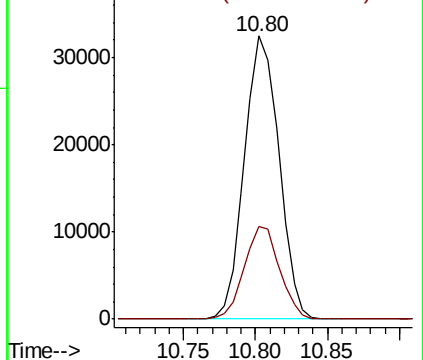
76 100

78 33.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 130.732 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002004.D

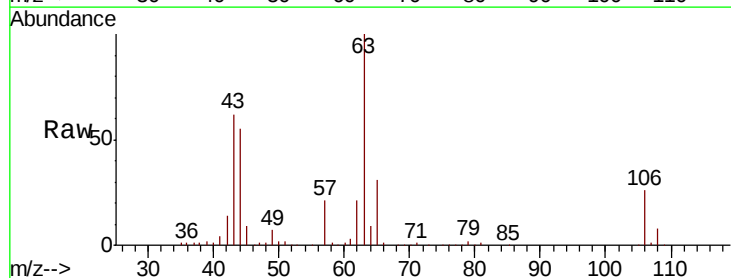
Acq: 18 Mar 2020 11:25

Tgt Ion: 63 Resp: 113506

Ion Ratio Lower Upper

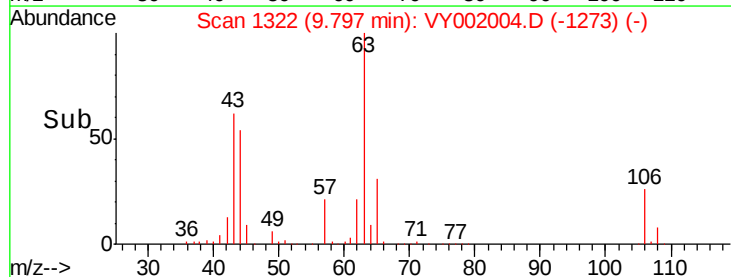
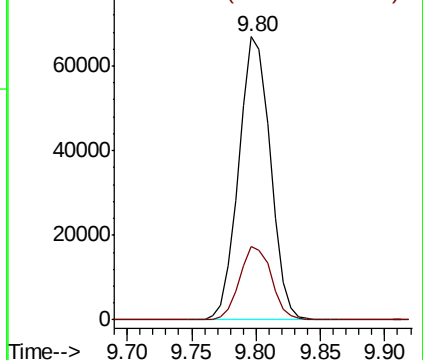
63 100

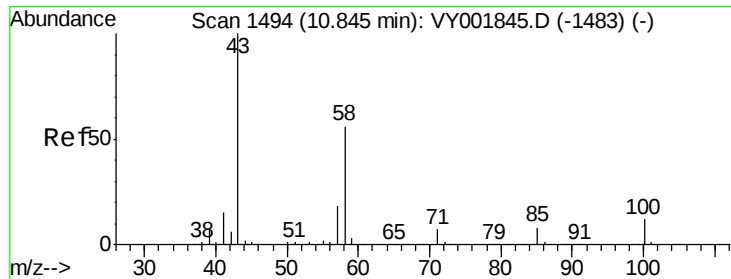
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

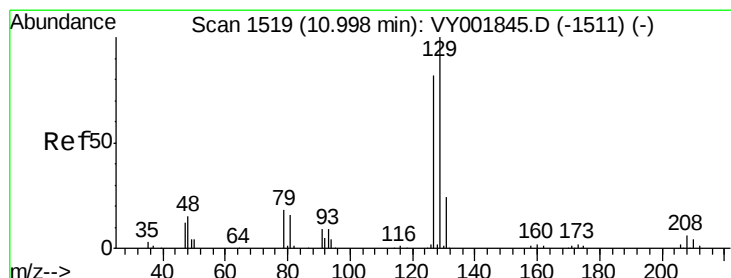
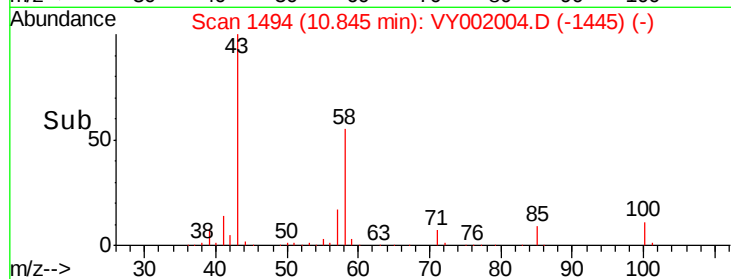
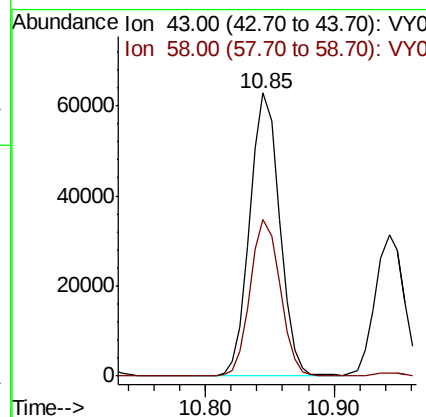
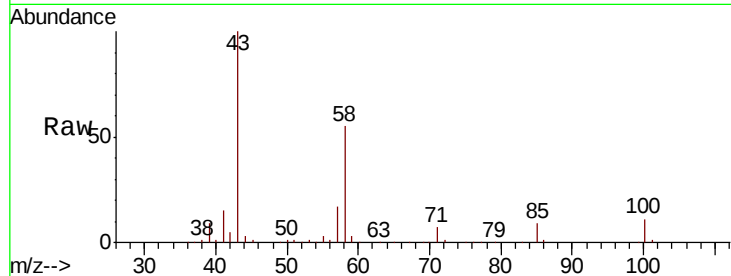




#59
2-Hexanone
Concen: 92.072 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

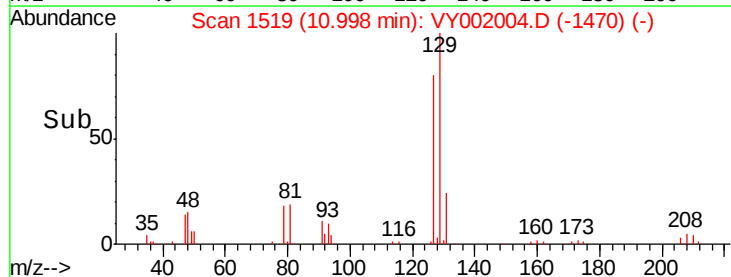
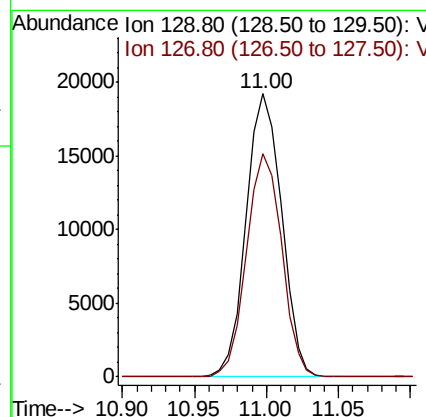
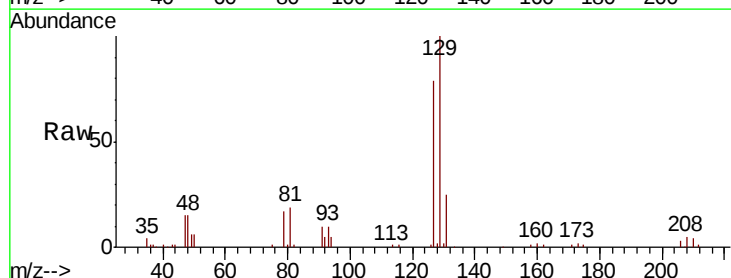
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 43 Resp: 100522
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.3



#60
Dibromochloromethane
Concen: 20.507 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 129 Resp: 32771
Ion Ratio Lower Upper
129 100
127 78.2 39.0 117.0

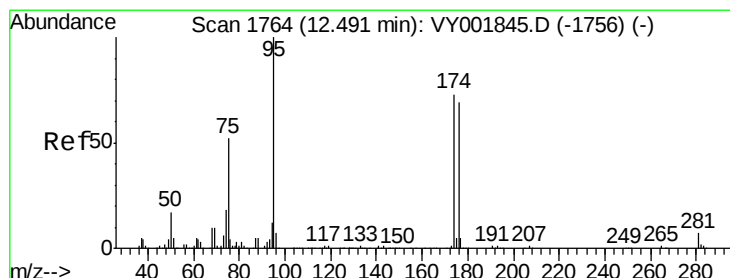
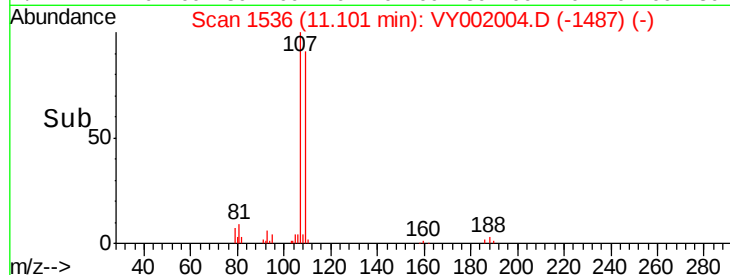
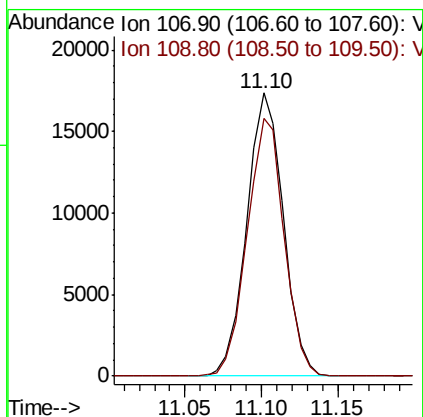
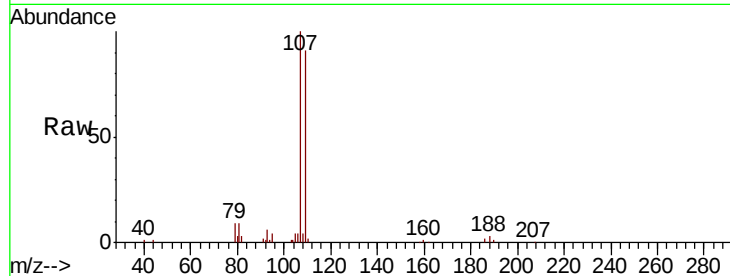




#61
 1,2-Dibromoethane
 Concen: 20.042 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

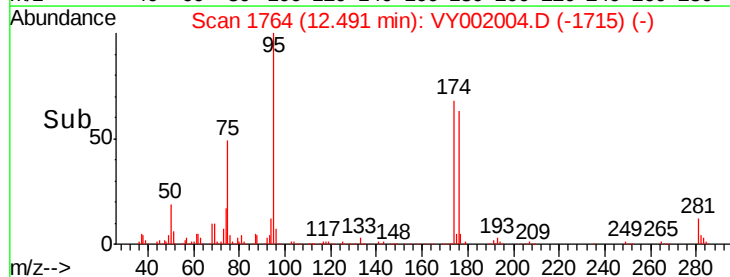
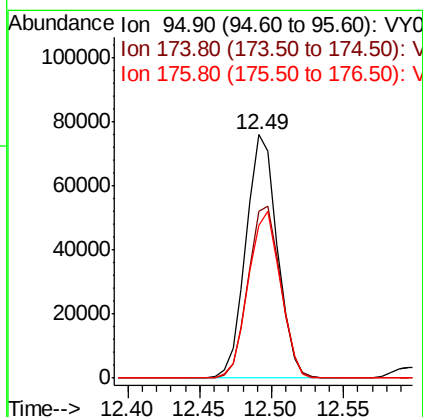
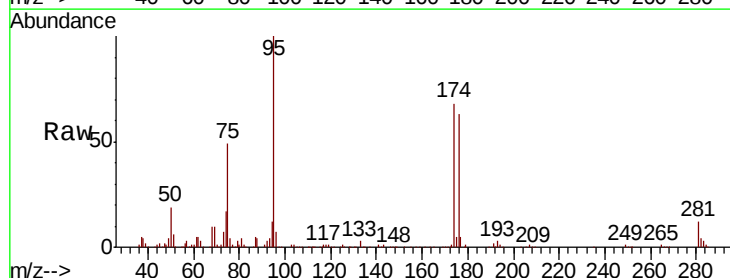
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

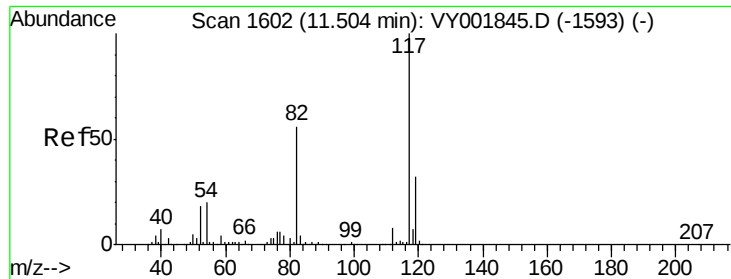
Tot Ion: 107 Resp: 28791
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.819 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 95 Resp: 114111
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 145.0
 176 70.2 0.0 137.4

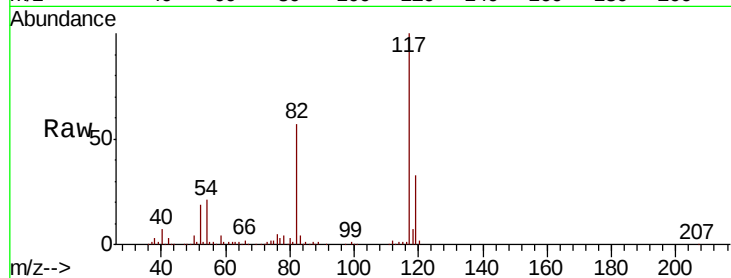




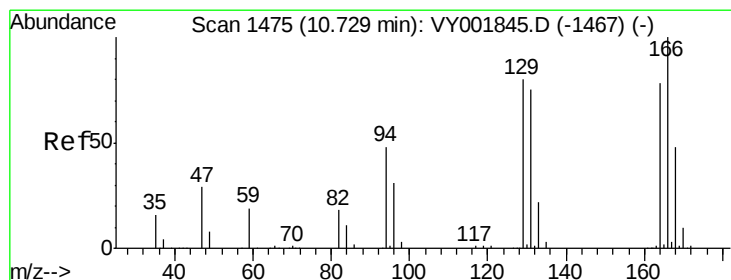
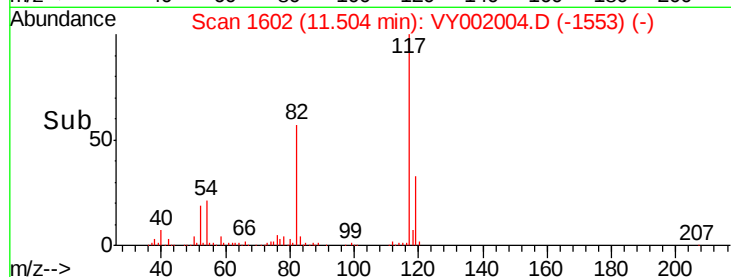
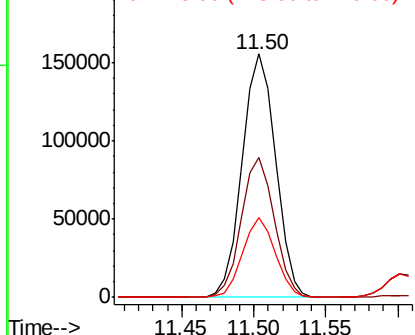
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion:117 Resp: 250407
Ion Ratio Lower Upper
117 100
82 57.4 44.5 66.7
119 32.7 25.7 38.5

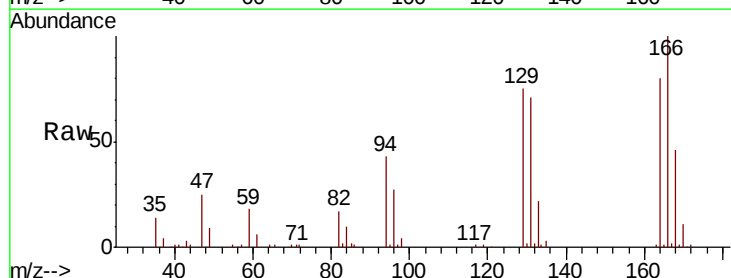


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

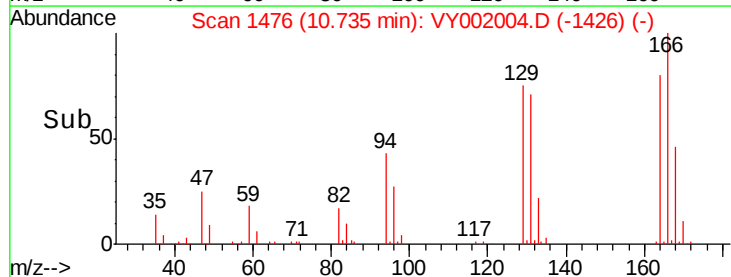
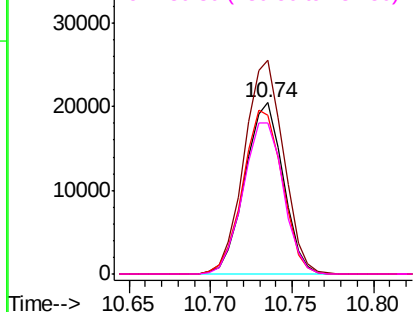


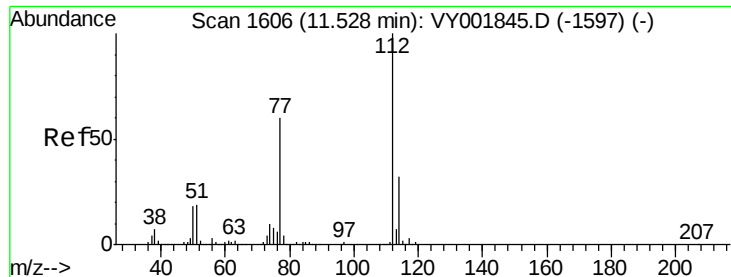
#64
Tetrachloroethene
Concen: 21.427 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:164 Resp: 33648
Ion Ratio Lower Upper
164 100
166 124.6 102.6 154.0
129 93.0 82.3 123.5
131 88.1 77.4 116.0



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

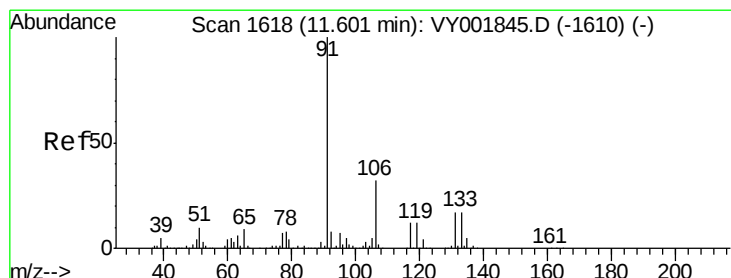
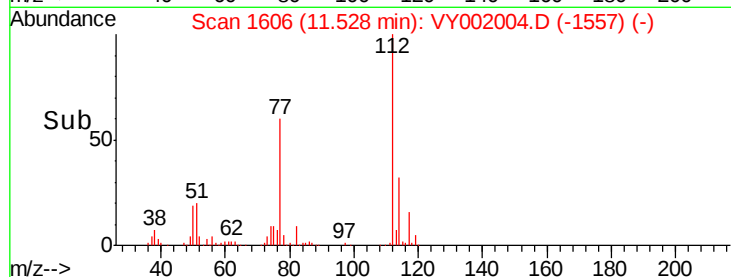
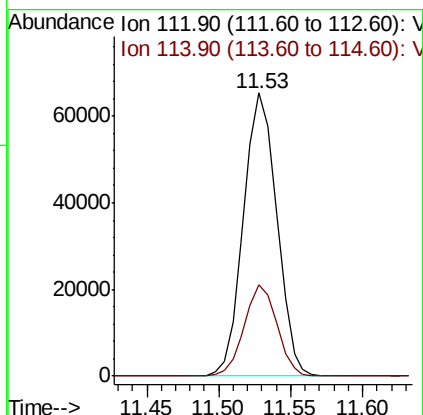
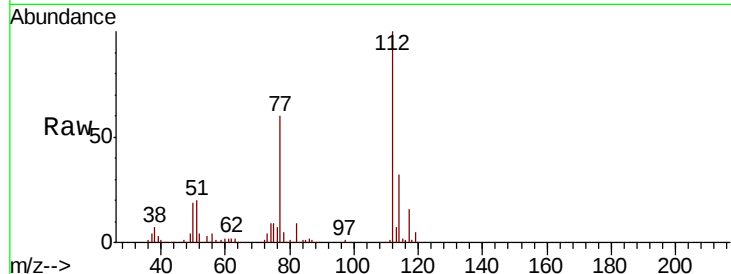




#65
Chlorobenzene
Concen: 20.950 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

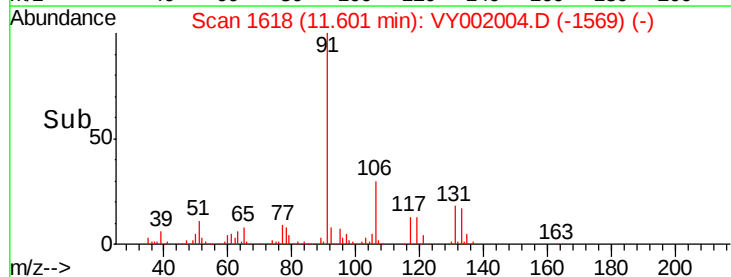
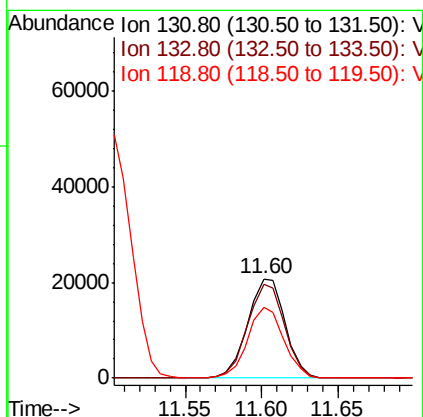
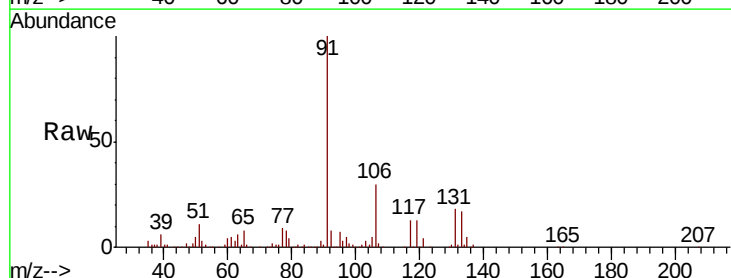
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

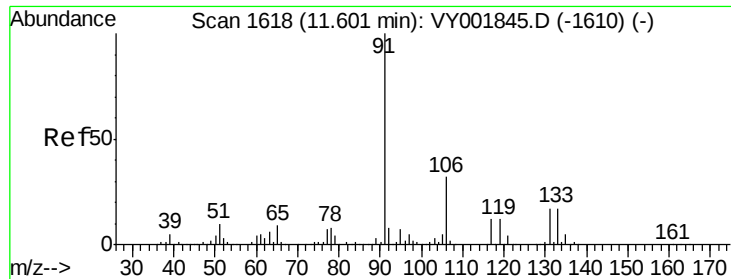
Tot Ion:112 Resp: 104531
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.544 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:131 Resp: 35250
Ion Ratio Lower Upper
131 100
133 93.8 47.1 141.3
119 69.2 34.5 103.6

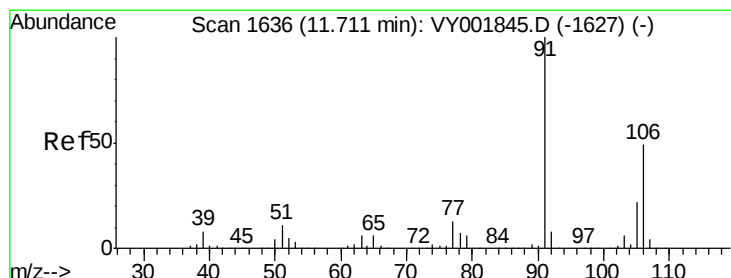
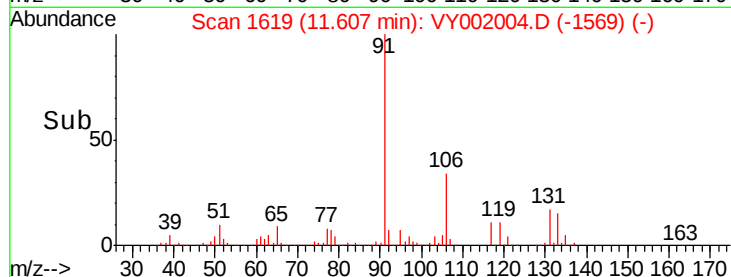
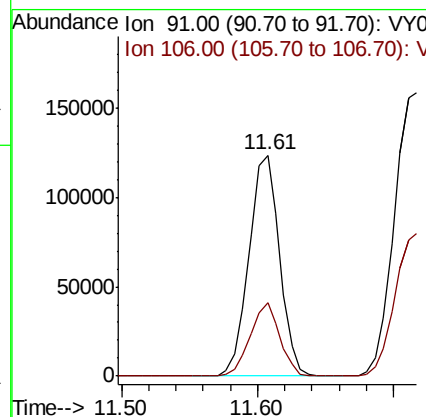
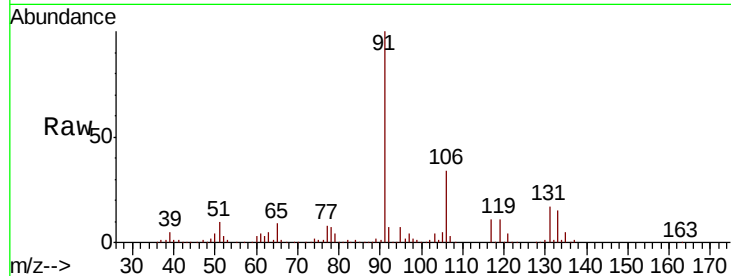




#67
Ethyl Benzene
Concen: 20.934 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

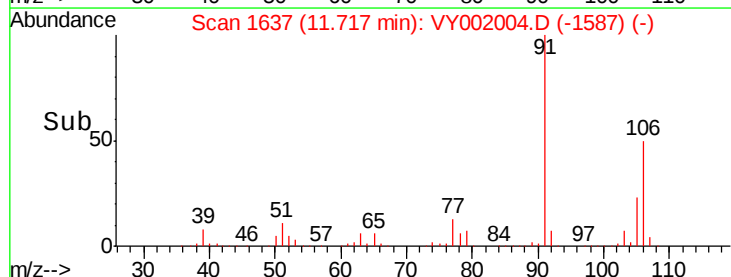
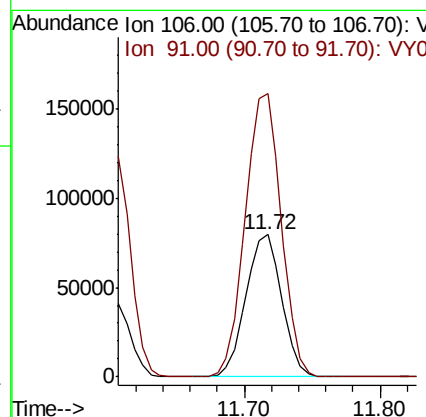
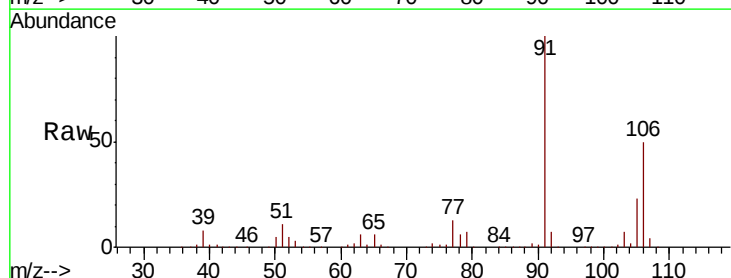
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

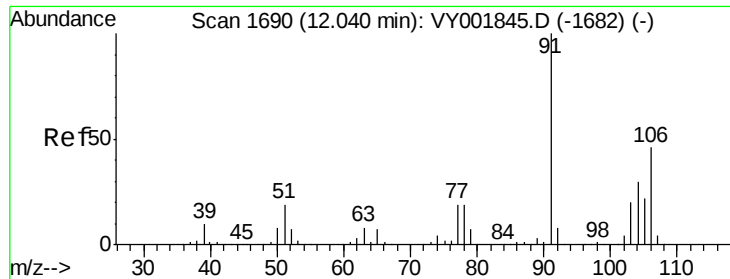
Tot Ion: 91 Resp: 194796
Ion Ratio Lower Upper
91 100
106 33.6 25.4 38.2



#68
m/p-Xylenes
Concen: 42.578 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 106 Resp: 146481
Ion Ratio Lower Upper
106 100
91 200.3 161.3 241.9

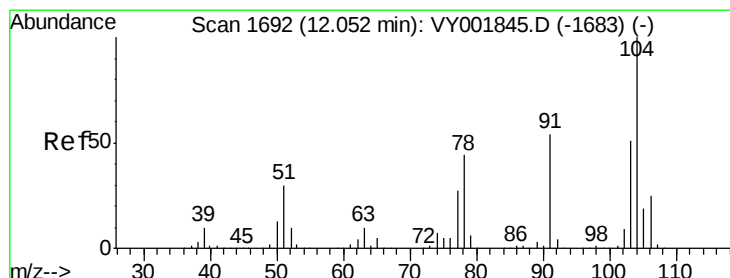
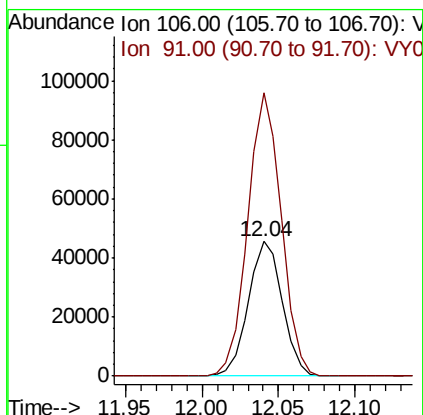
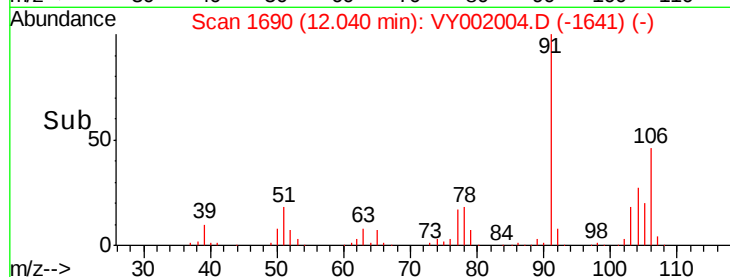
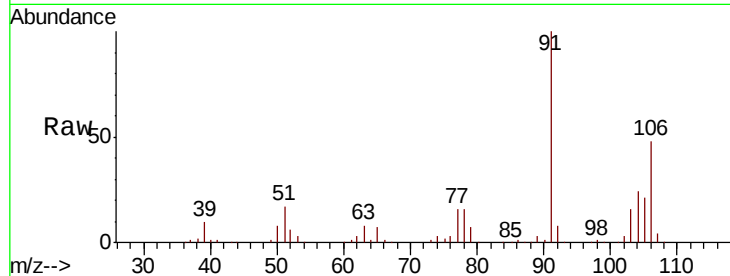




#69
o-Xylene
Concen: 21.733 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

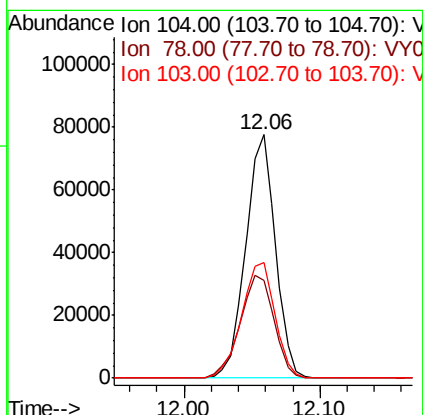
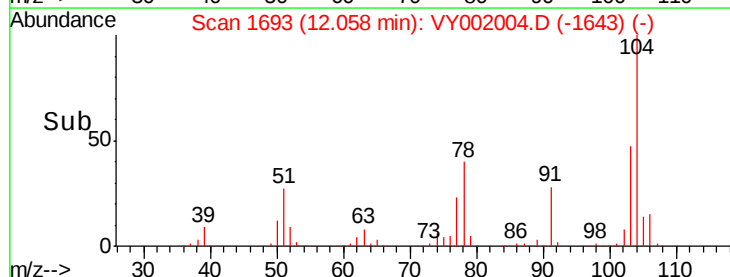
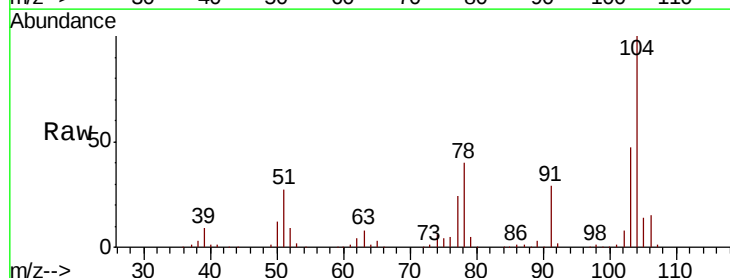
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion:106 Resp: 70472
Ion Ratio Lower Upper
106 100
91 207.4 106.8 320.4



#70
Styrene
Concen: 21.414 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:104 Resp: 118922
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 53.2 42.9 64.3





#71

Bromoform

Concen: 20.560 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

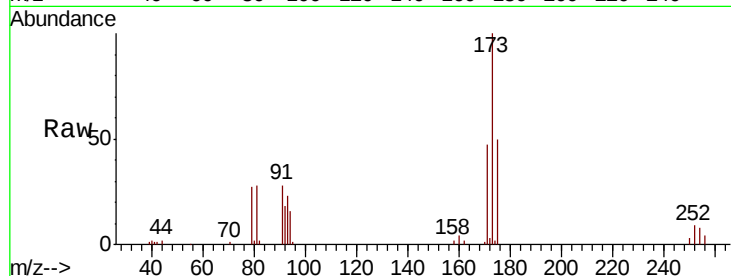
Tot Ion:173 Resp: 18244

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

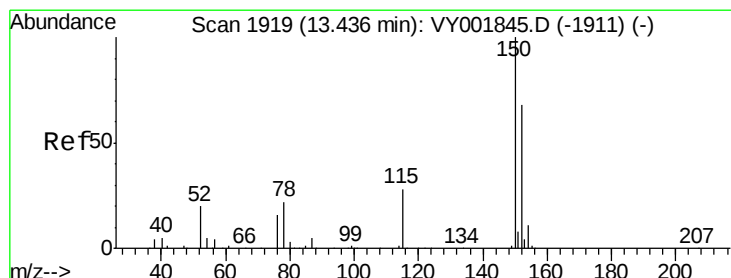
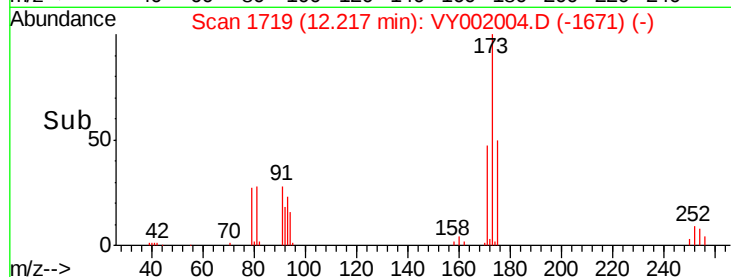
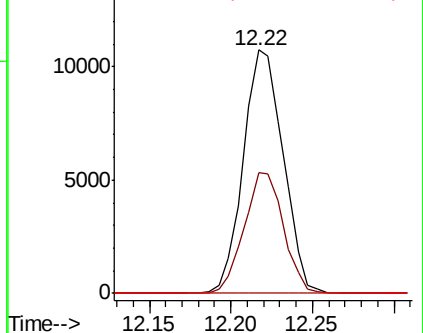
254 0.0 0.0 0.0



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: VY002004.D

Acq: 18 Mar 2020 11:25

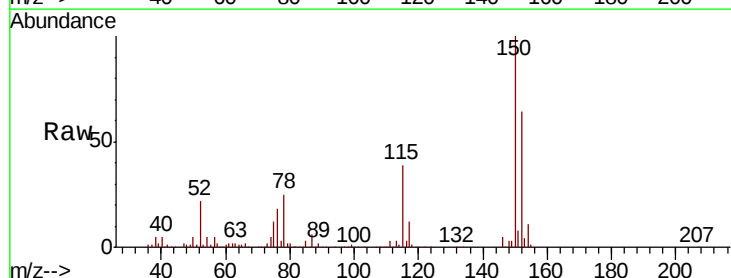
Tgt Ion:152 Resp: 118661

Ion Ratio Lower Upper

152 100

115 59.6 29.9 89.7

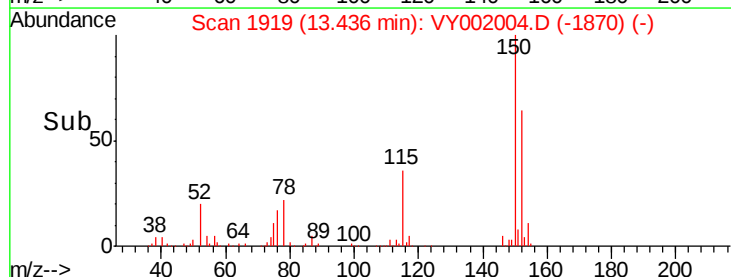
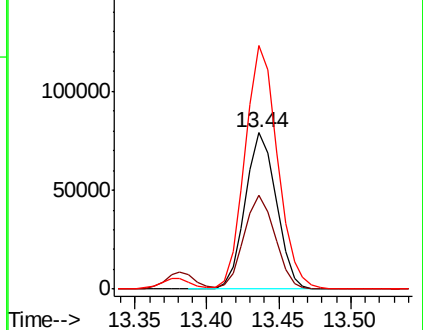
150 162.7 0.0 340.6

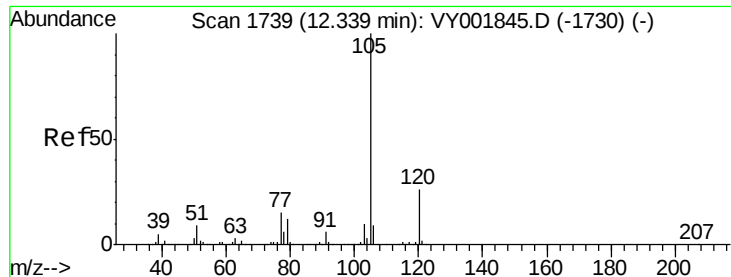


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.702 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

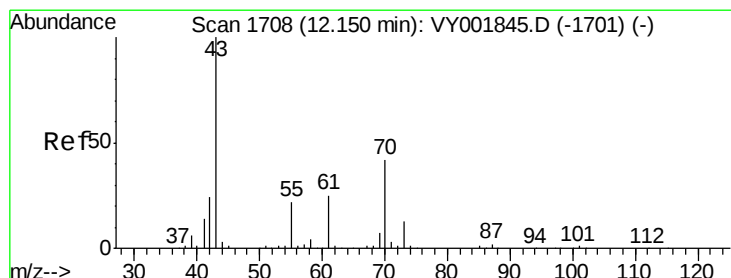
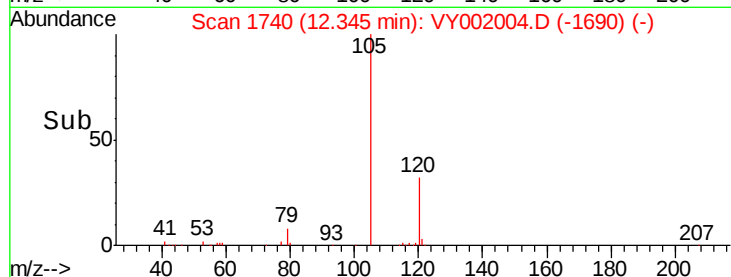
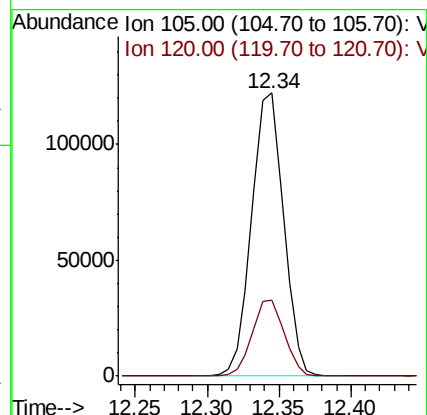
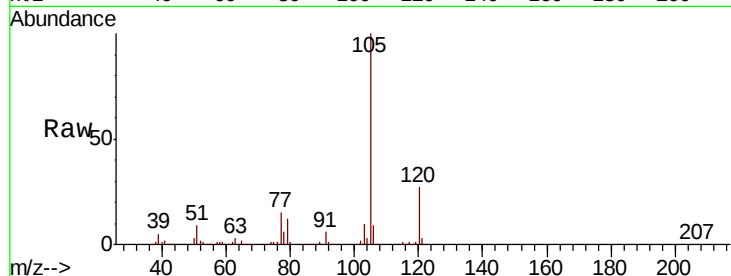
VY0318SBS01

Tot Ion:105 Resp: 187526

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3



#74

N-ethyl acetate

Concen: 18.667 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion: 43 Resp: 51968

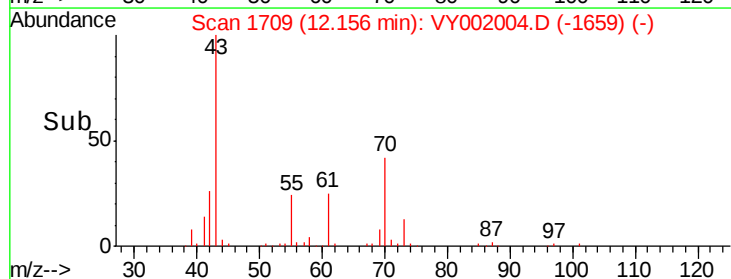
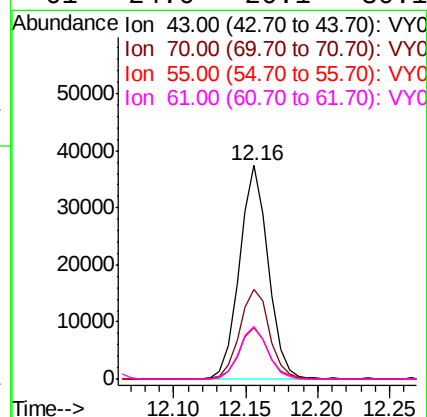
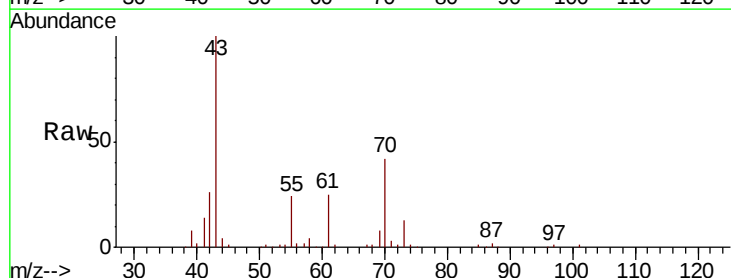
Ion Ratio Lower Upper

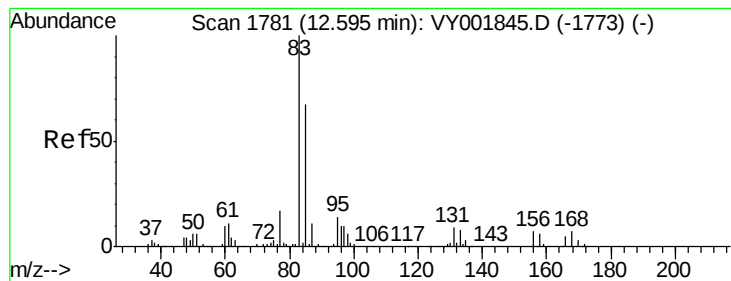
43 100

70 43.5 34.7 52.1

55 24.4 18.2 27.4

61 24.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.977 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

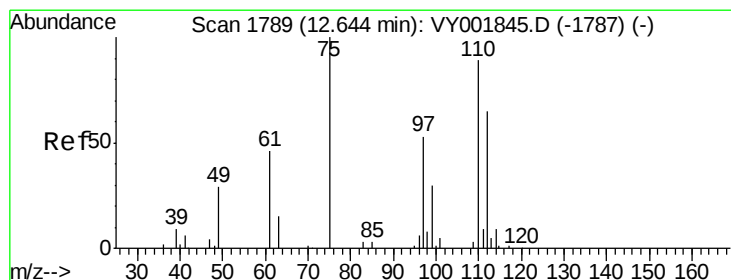
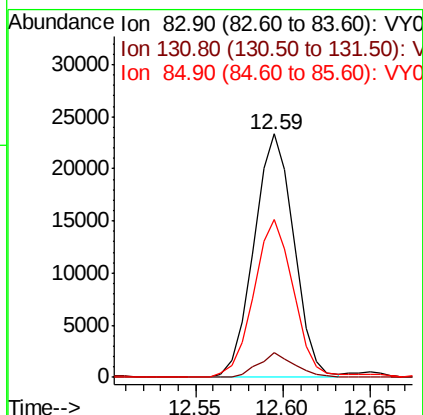
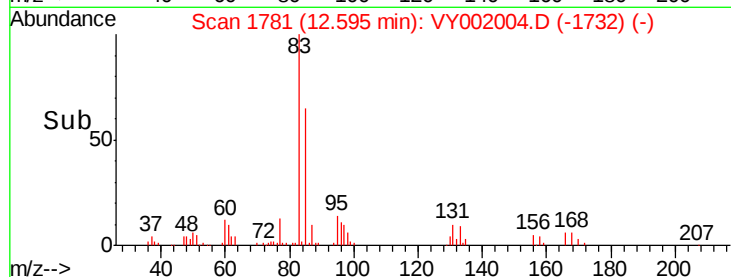
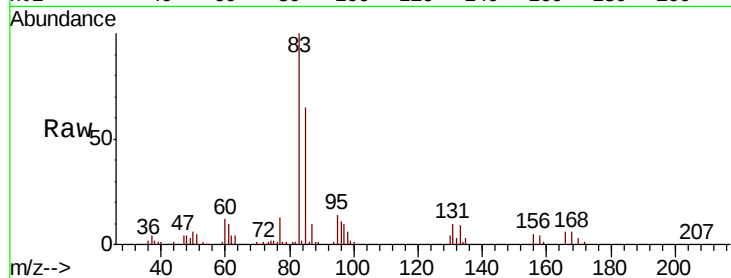
Tot Ion: 83 Resp: 37069

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 64.3 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 33.583 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002004.D

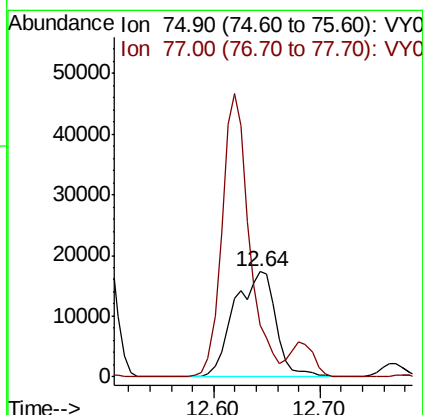
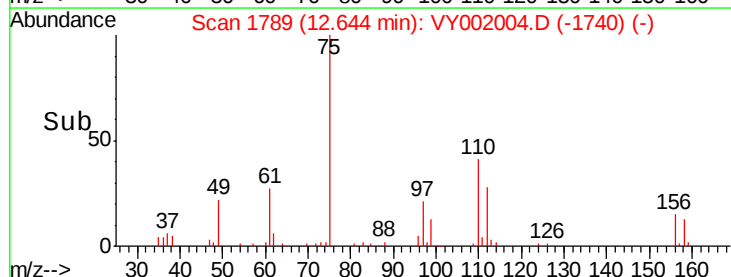
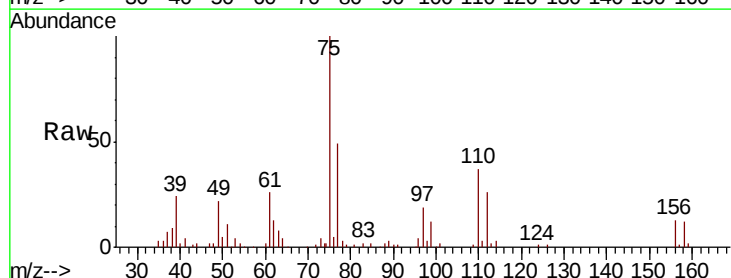
Acq: 18 Mar 2020 11:25

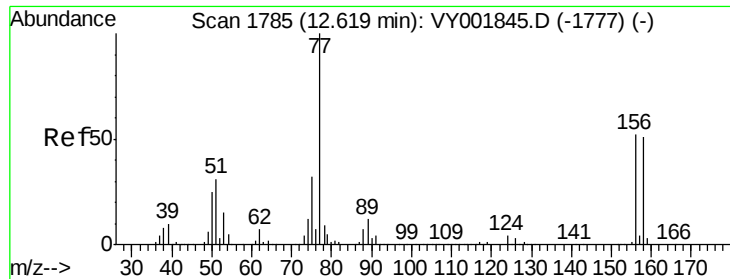
Tgt Ion: 75 Resp: 47285

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.558 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

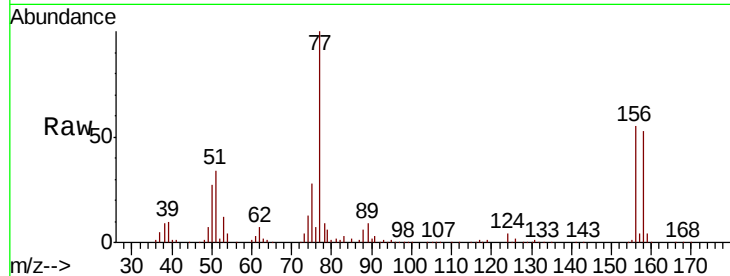
Tot Ion:156 Resp: 39455

Ion Ratio Lower Upper

156 100

77 212.1 109.0 327.0

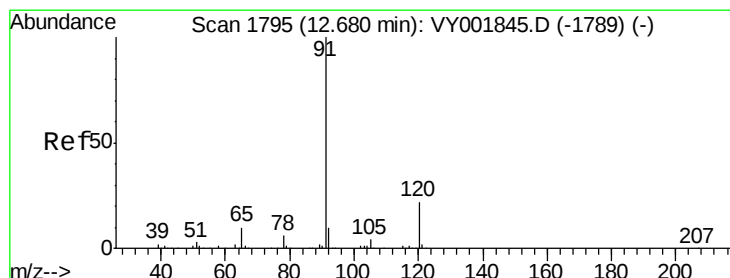
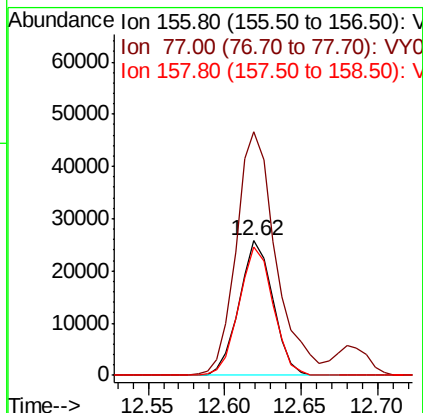
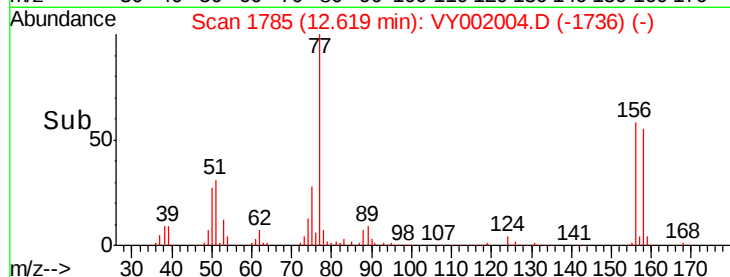
158 96.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.725 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002004.D

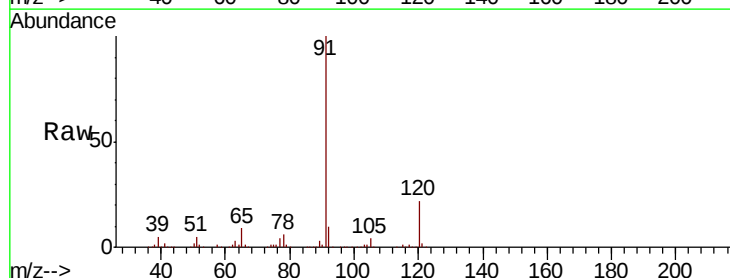
Acq: 18 Mar 2020 11:25

Tgt Ion: 91 Resp: 231609

Ion Ratio Lower Upper

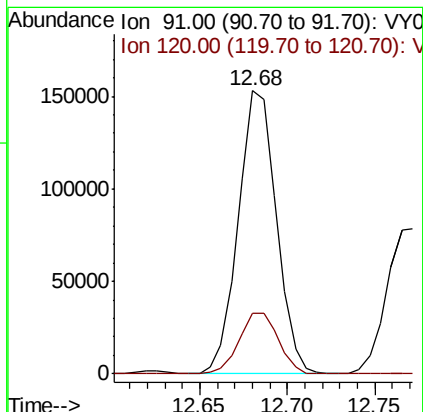
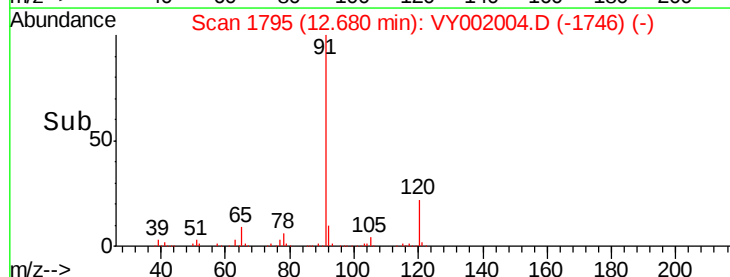
91 100

120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

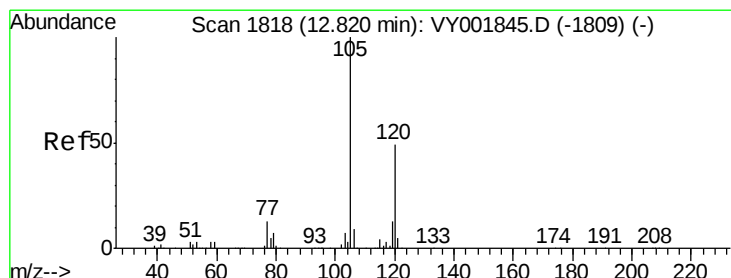
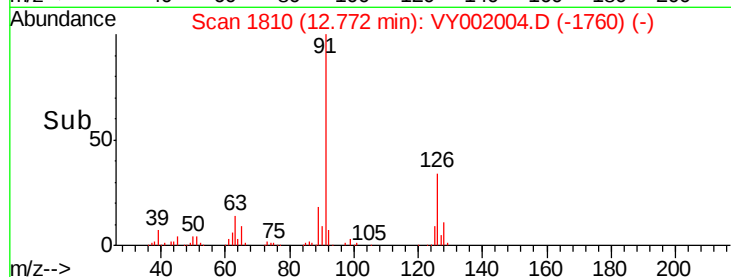
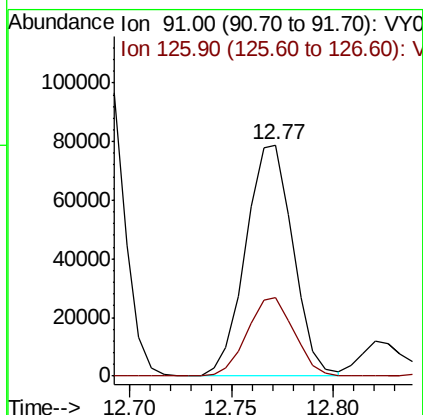
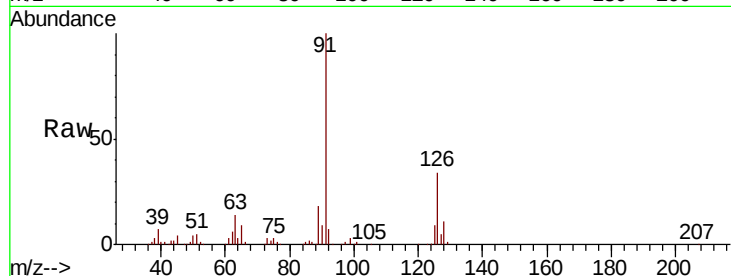




#79
2-Chlorotoluene
Concen: 20.596 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

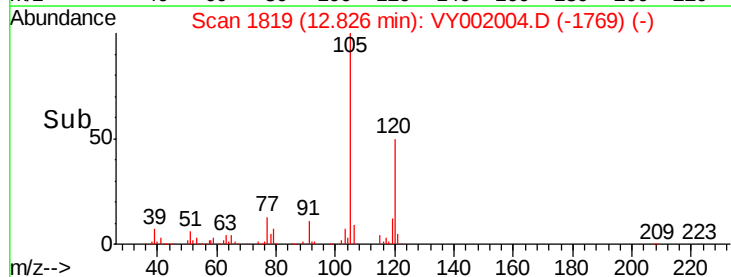
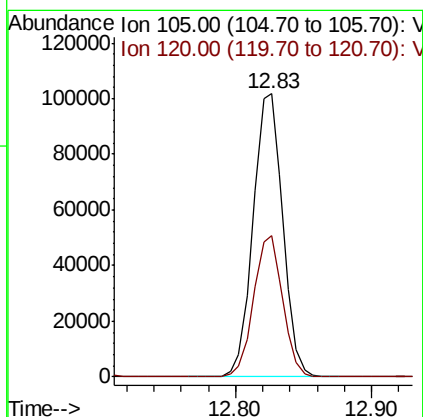
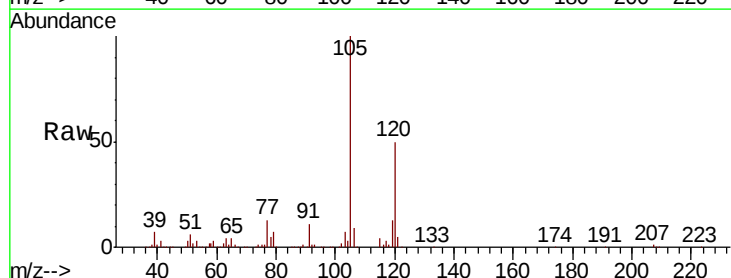
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

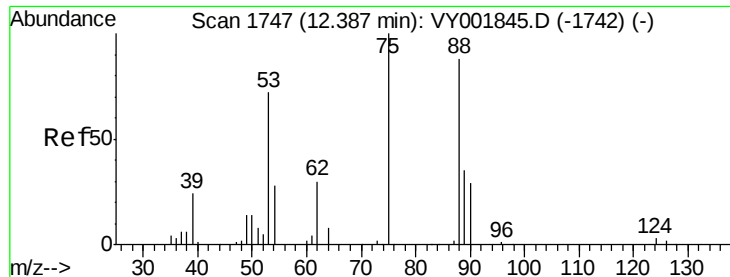
Tot Ion: 91 Resp: 127163
Ion Ratio Lower Upper
91 100
126 33.8 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 20.870 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 105 Resp: 155634
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.835 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

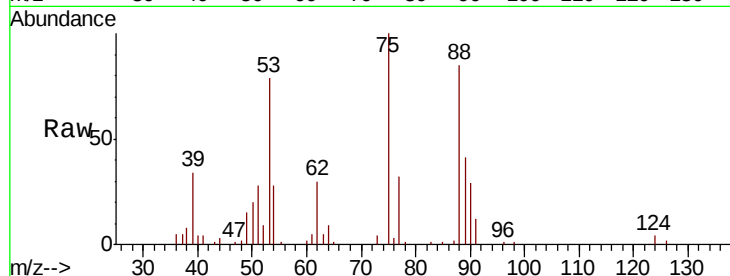
Tot Ion: 75 Resp: 13129

Ion Ratio Lower Upper

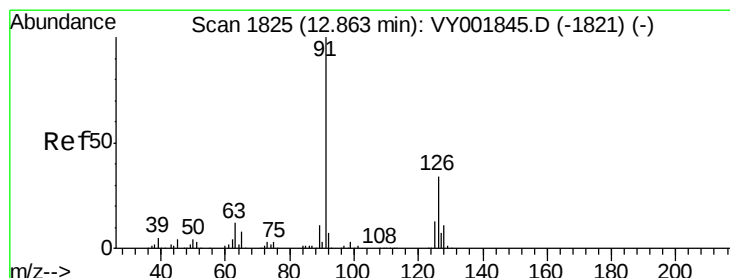
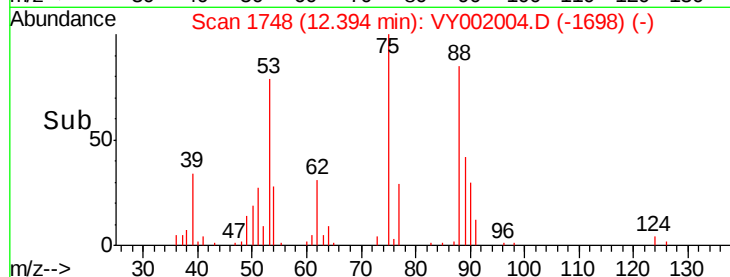
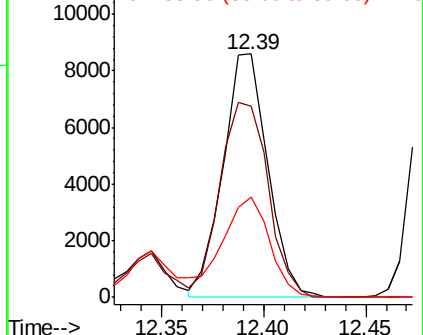
75 100

53 85.7 65.4 98.0

89 43.8 36.0 54.0



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



#82

4-Chlorotoluene

Concen: 20.840 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002004.D

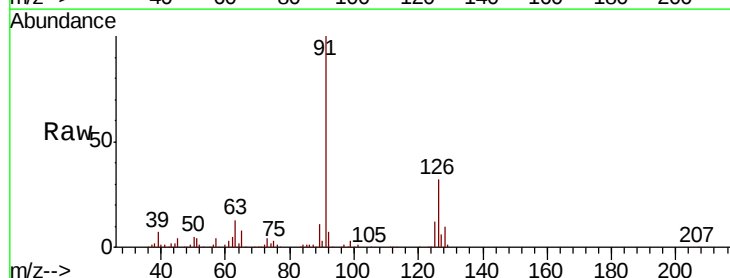
Acq: 18 Mar 2020 11:25

Tgt Ion: 91 Resp: 133970

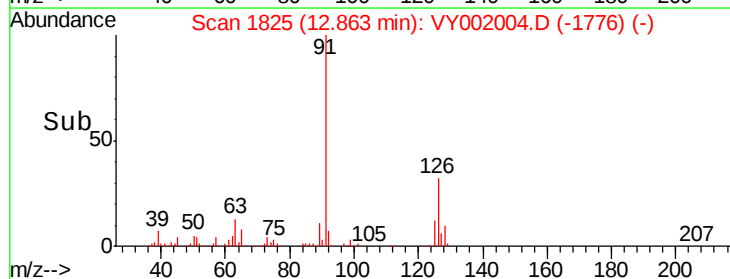
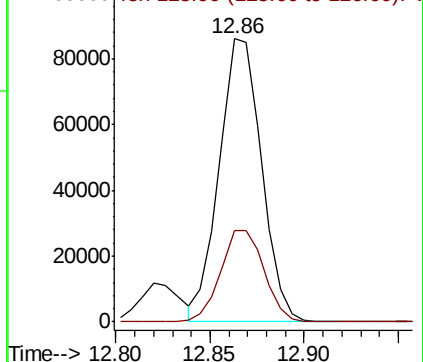
Ion Ratio Lower Upper

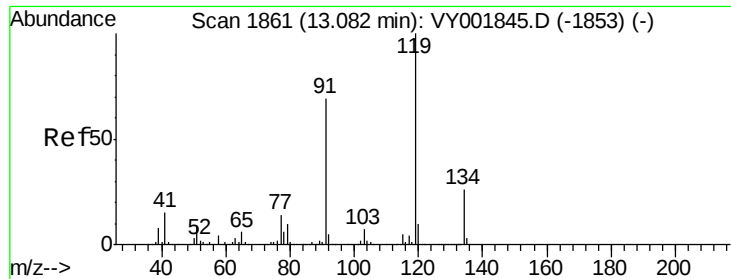
91 100

126 33.2 16.4 49.2



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

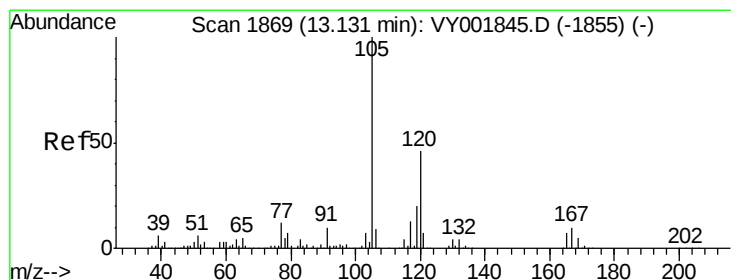
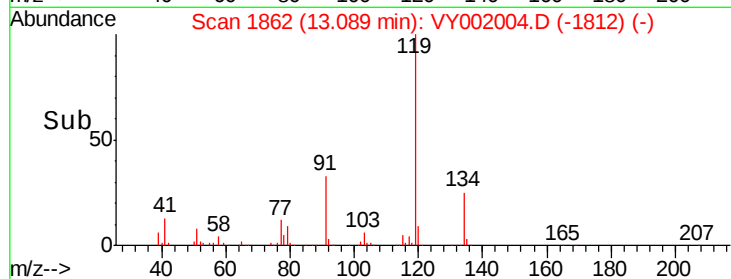
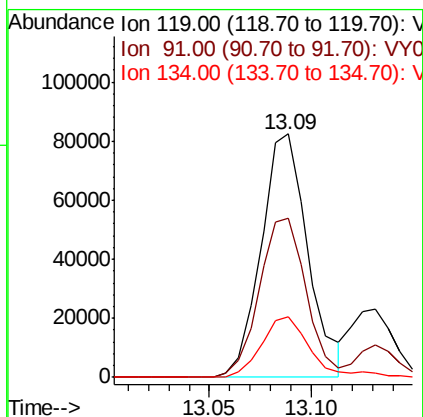
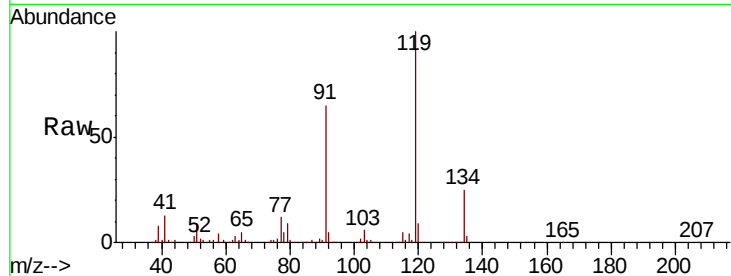




#83
tert-Butylbenzene
Concen: 21.301 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

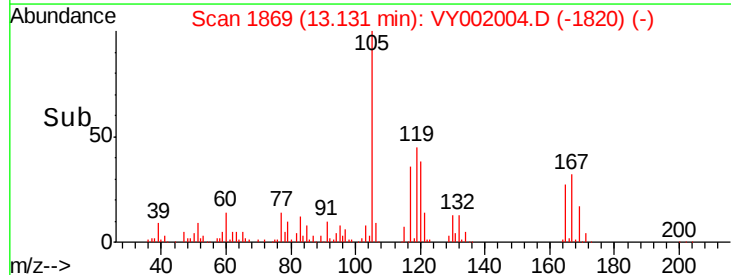
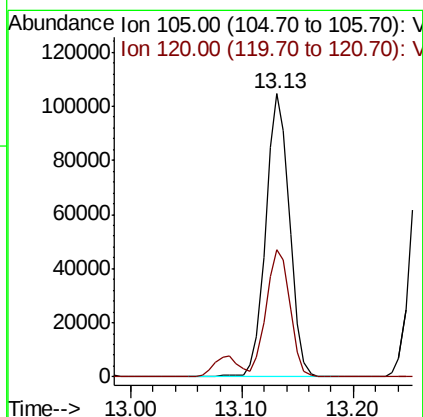
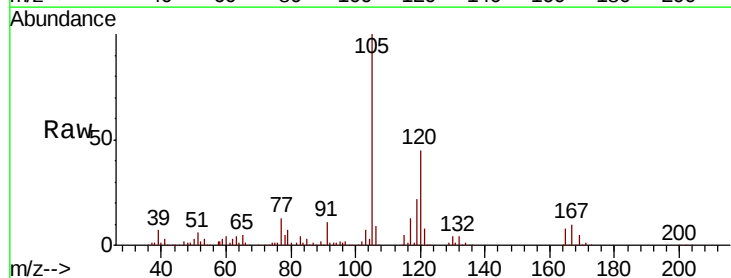
Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

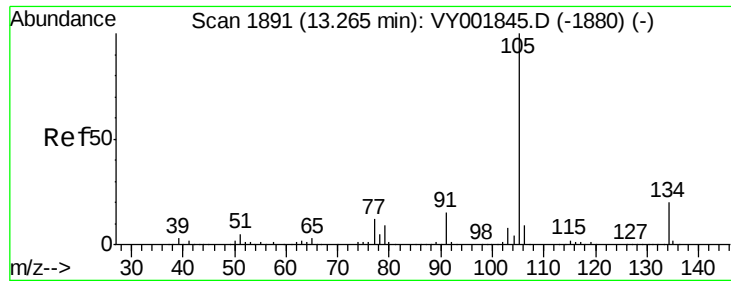
Tot Ion:119 Resp: 131932
Ion Ratio Lower Upper
119 100
91 65.3 34.0 101.8
134 26.1 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.039 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:105 Resp: 155698
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.334 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

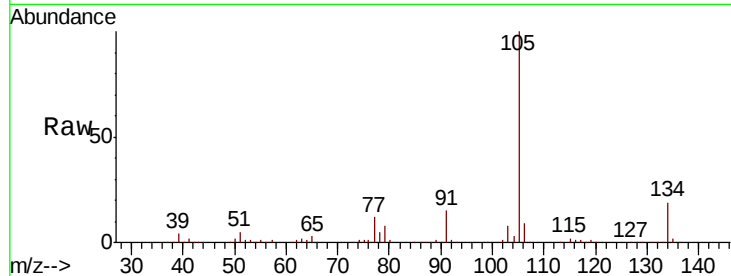
VY0318SBS01

Tot Ion:105 Resp: 194770

Ion Ratio Lower Upper

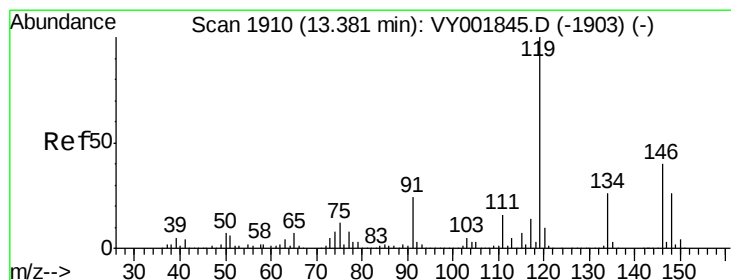
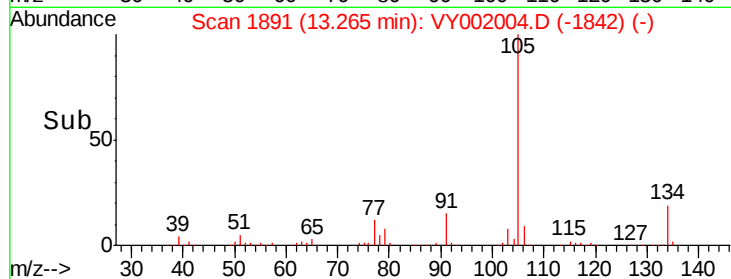
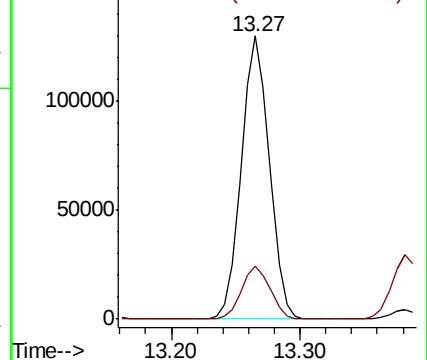
105 100

134 19.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.401 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

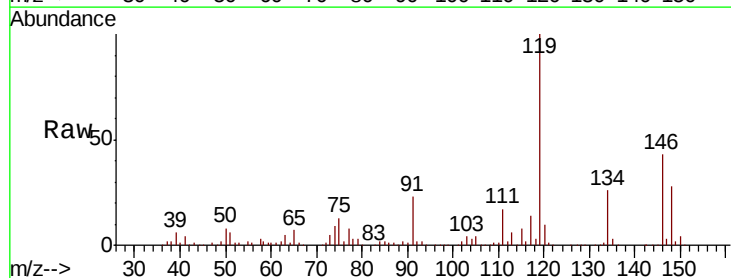
Tgt Ion:119 Resp: 168545

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

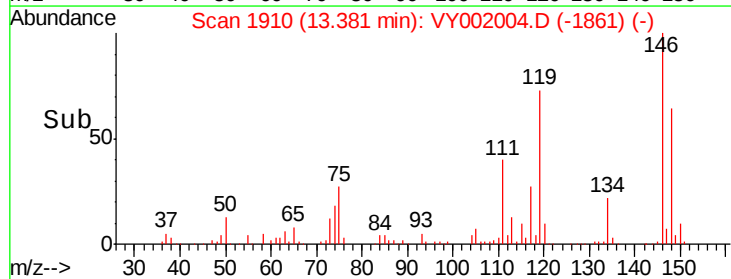
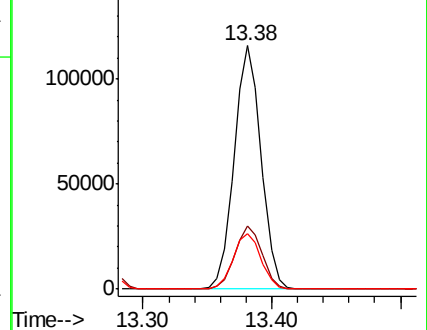
91 23.5 11.9 35.7

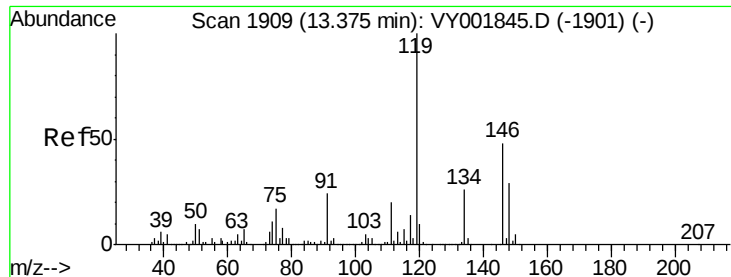


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 21.367 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

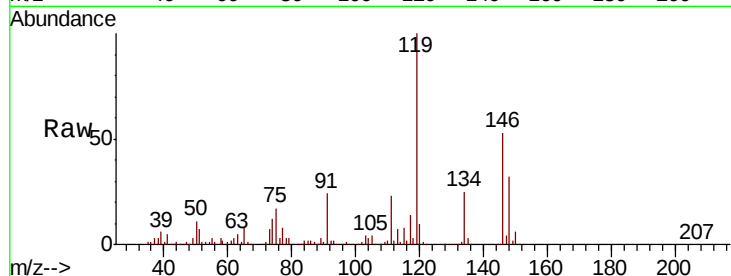
Tot Ion:146 Resp: 80357

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.5

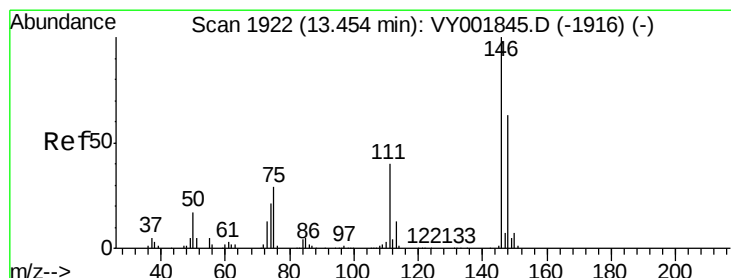
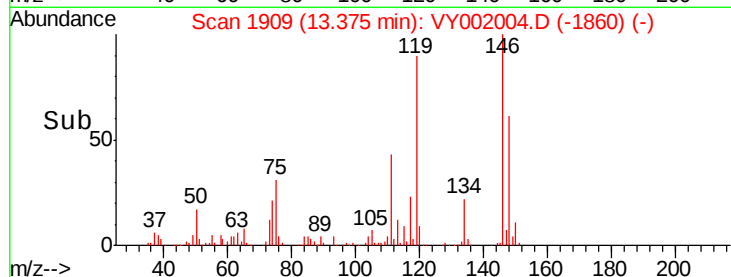
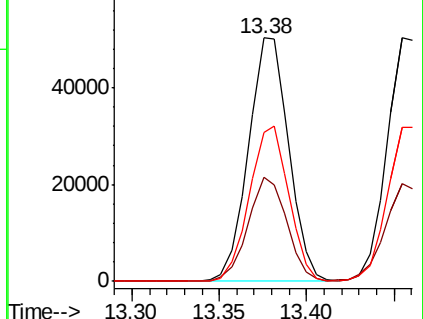
148 62.4 31.4 94.0



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



#88

1,4-Dichlorobenzene

Concen: 21.024 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

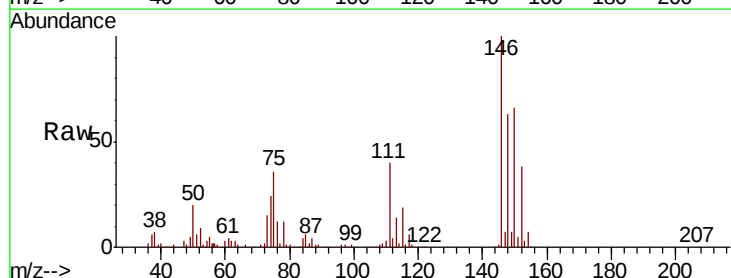
Tgt Ion:146 Resp: 80212

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

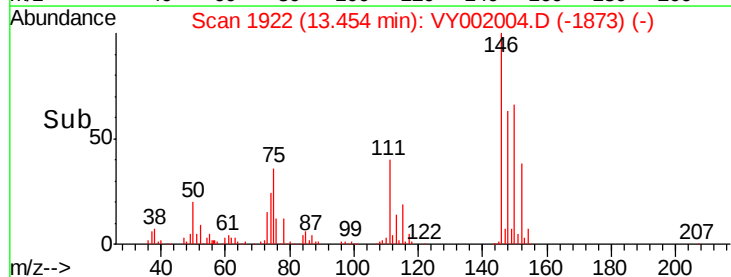
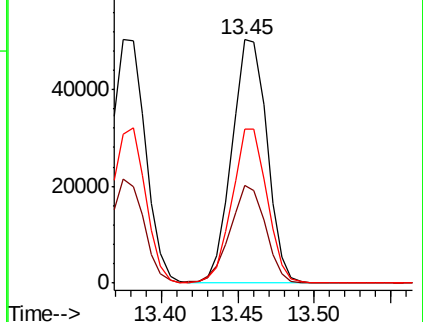
148 62.8 31.5 94.5

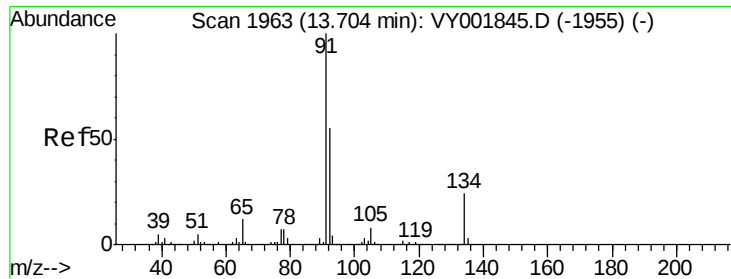


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.049 ug/l

RT: 13.71 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

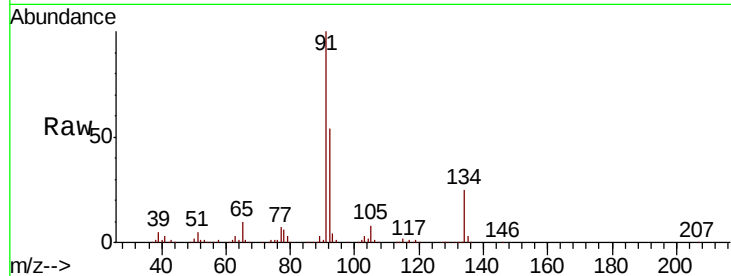
Tot Ion: 91 Resp: 171981

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

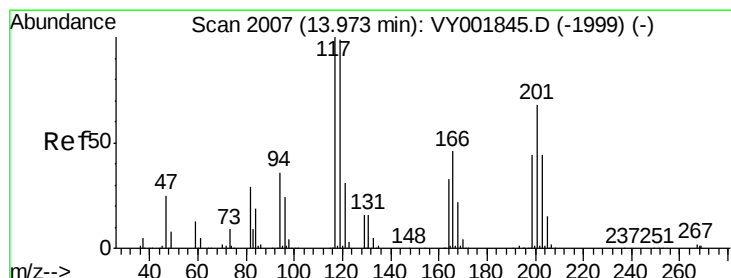
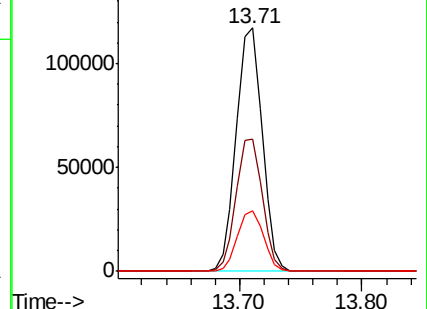
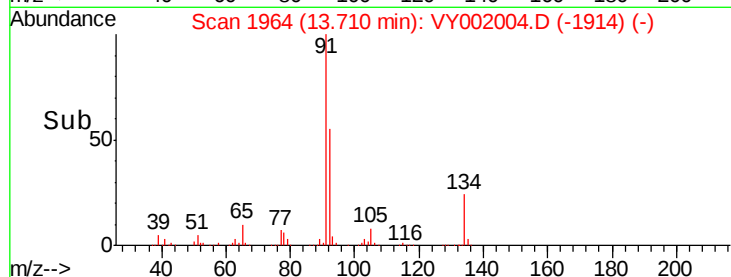
134 25.1 12.5 37.5



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: 20.952 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VY002004.D

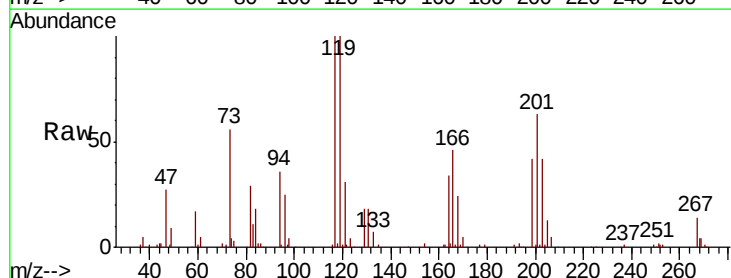
Acq: 18 Mar 2020 11:25

Tgt Ion: 117 Resp: 31128

Ion Ratio Lower Upper

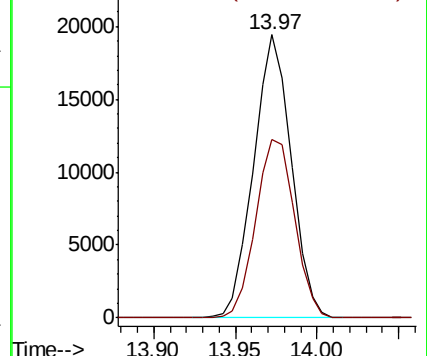
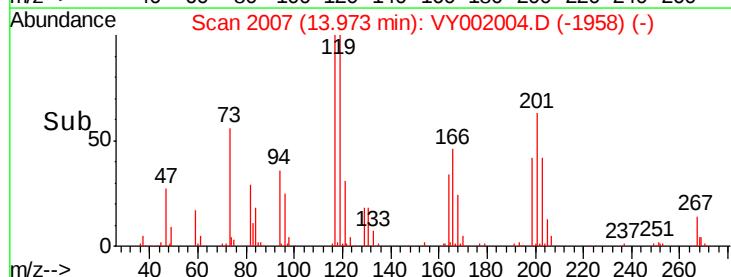
117 100

201 65.2 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: 20.922 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

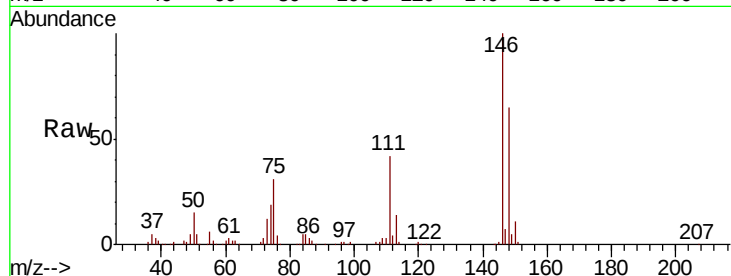
Tot Ion:146 Resp: 71481

Ion Ratio Lower Upper

146 100

111 41.6 21.5 64.5

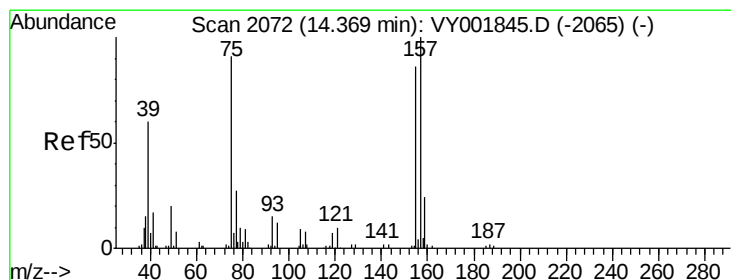
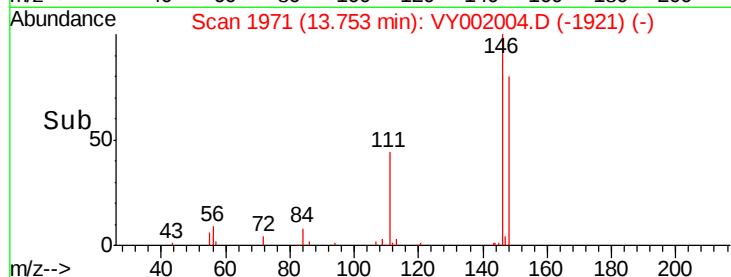
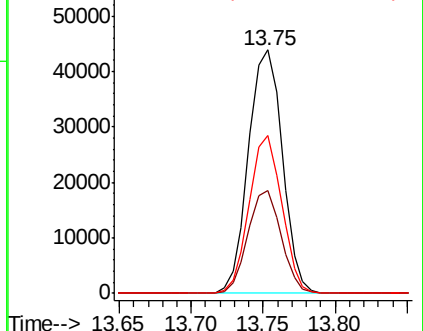
148 62.4 32.0 96.0



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: 18.549 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

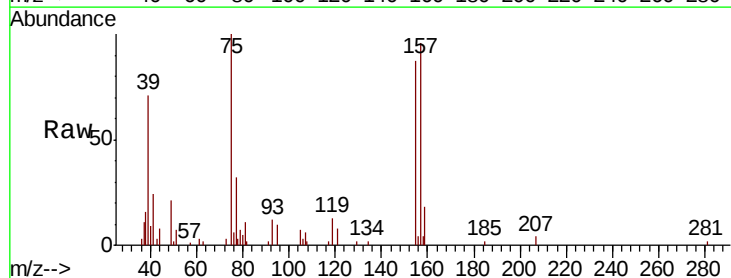
Tgt Ion: 75 Resp: 5654

Ion Ratio Lower Upper

75 100

155 78.9 42.9 128.7

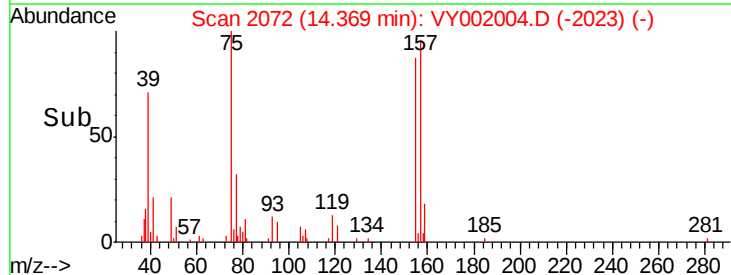
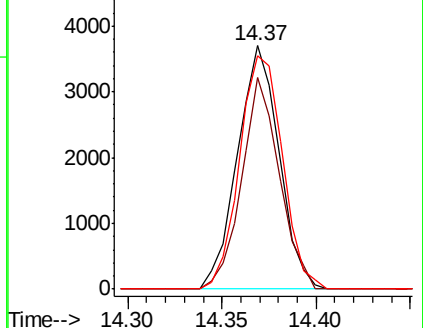
157 99.2 53.1 159.4

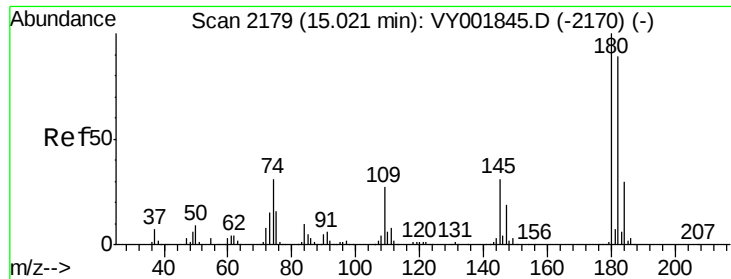


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

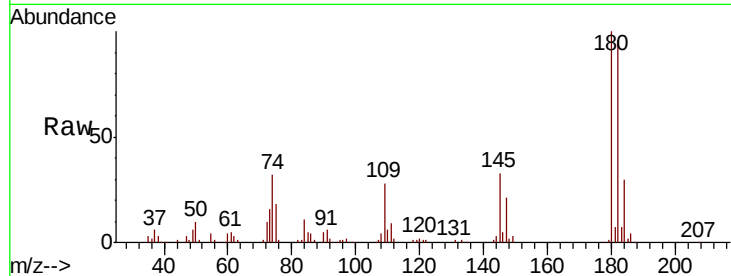




#93
 1,2,4-Trichlorobenzene
 Concen: 20.775 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.1	138.3
145	31.6	15.6	46.8

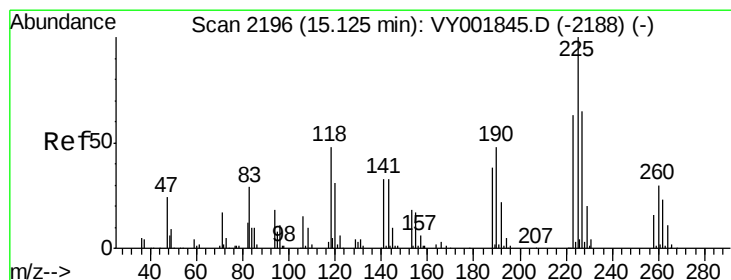
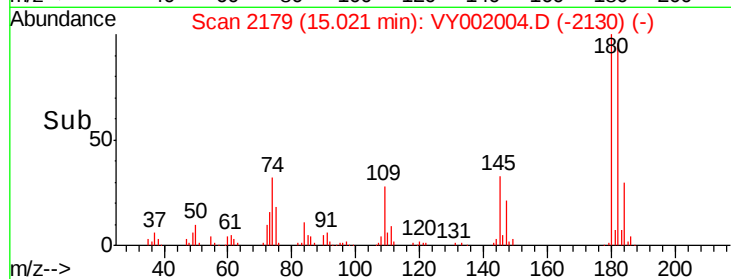
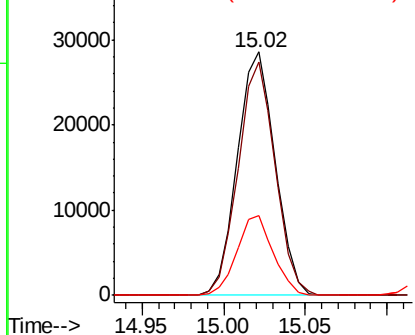


Abundance

Ion 179.80 (179.50 to 180.50): V

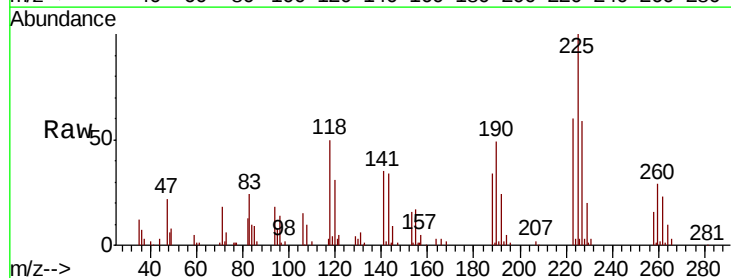
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.408 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.5	94.5
227	63.0	31.9	95.5

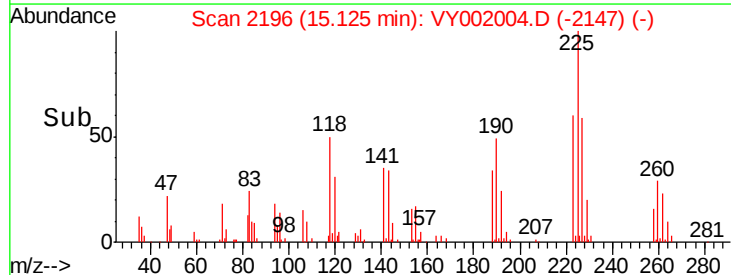
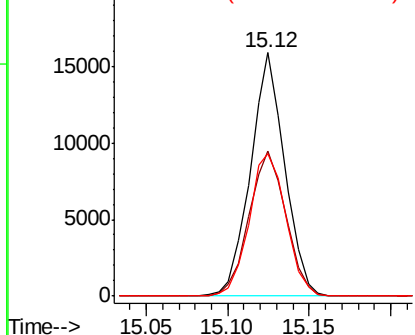


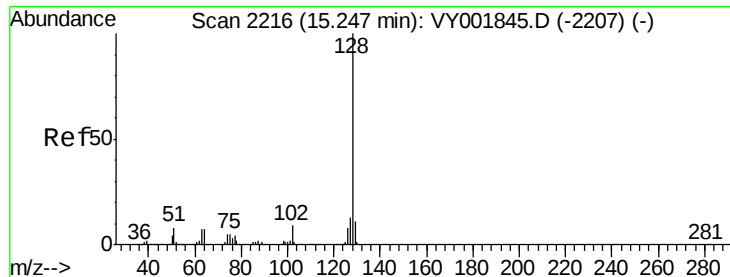
Abundance

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: 19.037 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

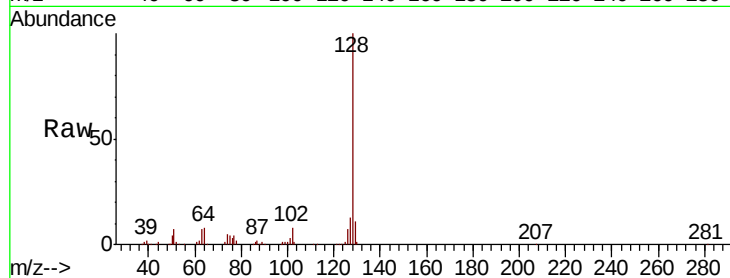
Tot Ion:128 Resp: 100050

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.8 8.6 13.0

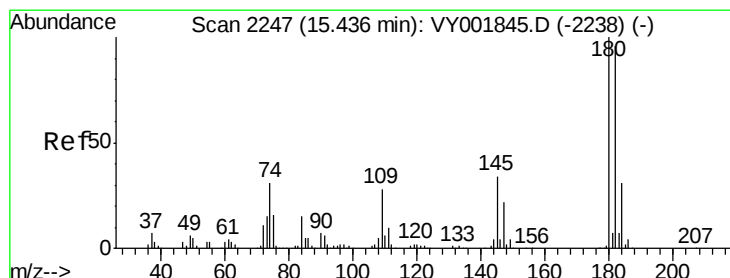
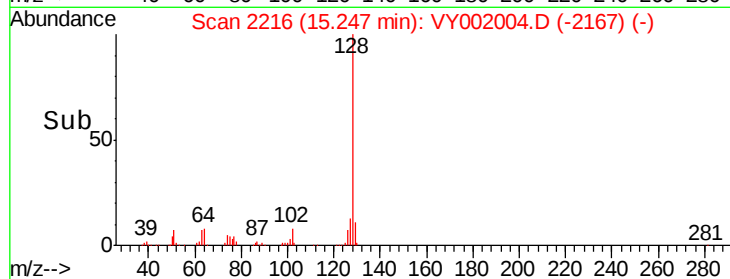
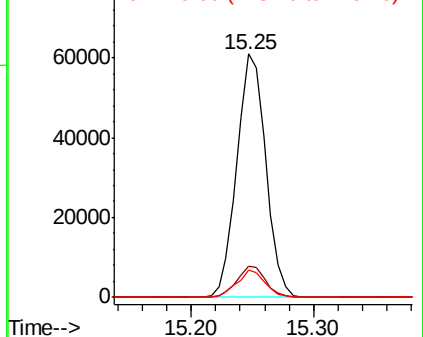


Abundance

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: 20.867 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

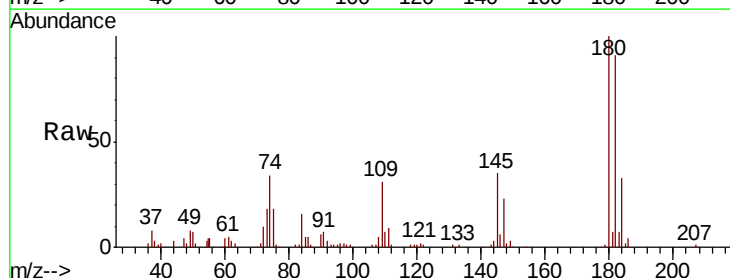
Tgt Ion:180 Resp: 40730

Ion Ratio Lower Upper

180 100

182 93.1 47.6 142.9

145 33.6 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

