

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001213.D
 Acq On : 15 Jan 2020 13:26
 Operator : SY/MD
 Sample : VY0115SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Quant Time: Jan 16 04:49:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	182935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	320797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	281958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	89738	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	7.73	113	85438	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
50) Toluene-d8	10.18	98	349371	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.48	95	127774	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32148	22.882	ug/l	98
3) Chloromethane	2.12	50	45360	22.399	ug/l	100
4) Vinyl Chloride	2.25	62	47527	23.296	ug/l	100
5) Bromomethane	2.64	94	31734	28.958	ug/l	100
6) Chloroethane	2.79	64	29801	25.284	ug/l	97
7) Trichlorofluoromethane	3.13	101	60525	21.313	ug/l	98
8) Diethyl Ether	3.53	74	24648	22.337	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	37944	20.758	ug/l	97
10) Methyl Iodide	4.10	142	50798	20.303	ug/l	100
11) Tert butyl alcohol	4.97	59	25961	133.547	ug/l	99
12) 1,1-Dichloroethene	3.88	96	40117	21.451	ug/l	97
13) Acrolein	3.73	56	20945	119.682	ug/l	100
14) Allyl chloride	4.49	41	67895	21.511	ug/l	98
15) Acrylonitrile	5.18	53	62640	113.506	ug/l	99
16) Acetone	3.96	43	52938	117.976	ug/l	96
17) Carbon Disulfide	4.19	76	129308	21.364	ug/l	97
18) Methyl Acetate	4.48	43	32775	22.092	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	114542	22.142	ug/l	99
20) Methylene Chloride	4.72	84	51836	21.658	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	45825	21.610	ug/l	97
22) Diisopropyl ether	6.13	45	139687	21.668	ug/l	96
23) Vinyl Acetate	6.07	43	465385	112.877	ug/l	100
24) 1,1-Dichloroethane	6.03	63	78363	22.204	ug/l	99
25) 2-Butanone	7.00	43	86098	123.286	ug/l	99
26) 2,2-Dichloropropane	6.99	77	68111	20.986	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51576	22.197	ug/l	100
28) Bromochloromethane	7.34	49	27396	18.903	ug/l	99
29) Tetrahydrofuran	7.36	42	55603	116.181	ug/l	97
30) Chloroform	7.52	83	76282	22.059	ug/l	100
31) Cyclohexane	7.79	56	76746	20.538	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	64851	21.136	ug/l	100
36) 1,1-Dichloropropene	7.93	75	61626	21.077	ug/l	99
37) Ethyl Acetate	7.08	43	37473	21.838	ug/l	98
38) Carbon Tetrachloride	7.91	117	56019	20.906	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81269	20.502	ug/l	98
40) Benzene	8.17	78	184919	21.666	ug/l	100
41) Methacrylonitrile	7.35	41	50221	62.305	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	50496	21.129	ug/l	98
43) Isopropyl Acetate	8.28	43	71790	21.879	ug/l	98
44) Trichloroethene	8.94	130	47992	21.579	ug/l	99
45) 1,2-Dichloropropane	9.22	63	45609	21.616	ug/l	95
46) Dibromomethane	9.31	93	24980	21.698	ug/l	98
47) Bromodichloromethane	9.50	83	59535	21.219	ug/l	98
48) Methyl methacrylate	9.30	41	33354	21.966	ug/l	99
49) 1,4-Dioxane	9.30	88	6841	487.936	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	185865	111.635	ug/l	99
52) Toluene	10.24	92	116066	21.321	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66199	21.085	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	76307	21.557	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	37777	22.134	ug/l	97
56) Ethyl methacrylate	10.51	69	54780	20.982	ug/l	99
57) 1,3-Dichloropropane	10.79	76	63086	21.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	94122	102.504	ug/l	99
59) 2-Hexanone	10.83	43	133991	114.833	ug/l	99
60) Dibromochloromethane	10.99	129	41652	21.196	ug/l	100
61) 1,2-Dibromoethane	11.09	107	35496	21.299	ug/l	100
64) Tetrachloroethene	10.72	164	39007	21.461	ug/l	98
65) Chlorobenzene	11.52	112	122785	21.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	41953	21.605	ug/l	99
67) Ethyl Benzene	11.59	91	223116	21.648	ug/l	99
68) m/p-Xylenes	11.70	106	169518	43.602	ug/l	98
69) o-Xylene	12.03	106	81870	21.963	ug/l	97
70) Styrene	12.04	104	140826	21.532	ug/l	98
71) Bromoform	12.20	173	25425	21.232	ug/l #	98
73) Isopropylbenzene	12.33	105	213783	20.882	ug/l	99
74) N-amyl acetate	12.14	43	67516	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	45834	21.279	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	60462	41.474	ug/l #	100
77) Bromobenzene	12.61	156	48535	21.455	ug/l	95
78) n-propylbenzene	12.67	91	255644	20.760	ug/l	99
79) 2-Chlorotoluene	12.75	91	144397	20.418	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	180397	21.119	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17885	20.804	ug/l #	97
82) 4-Chlorotoluene	12.85	91	155320	20.572	ug/l	99
83) tert-Butylbenzene	13.07	119	149968	20.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	179916	21.209	ug/l	100
85) sec-Butylbenzene	13.25	105	216495	20.967	ug/l	98
86) p-Isopropyltoluene	13.36	119	193069	21.535	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	94999	22.206	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	93443	21.222	ug/l	99
89) n-Butylbenzene	13.69	91	189547	20.992	ug/l	98
90) Hexachloroethane	13.95	117	35399	20.208	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	86143	21.666	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7780	20.024	ug/l	92

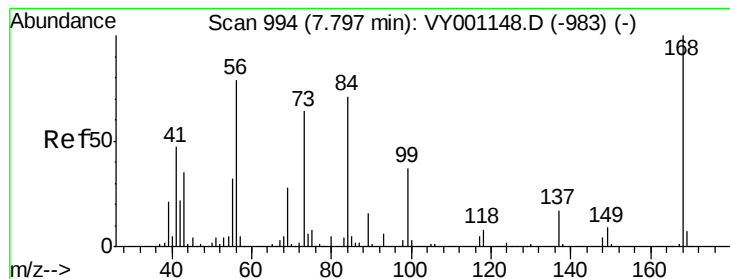
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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	58522	22.339	ug/l	98
94) Hexachlorobutadiene	15.11	225	29257	22.169	ug/l	98
95) Naphthalene	15.23	128	133023	21.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	50843	22.022	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

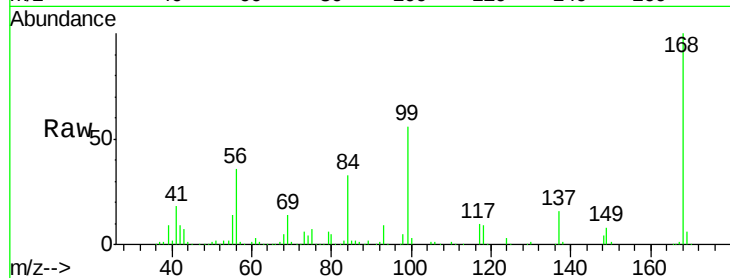
VY0115SBS01

Tgt Ion:168 Resp: 182935

Ion Ratio Lower Upper

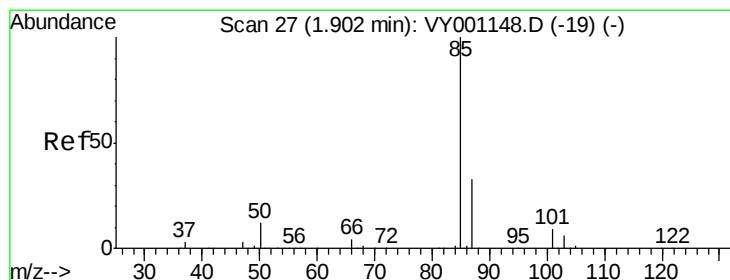
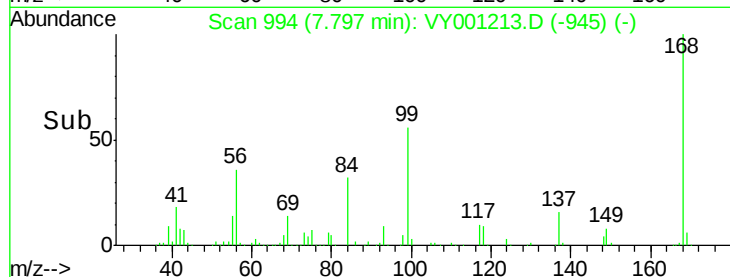
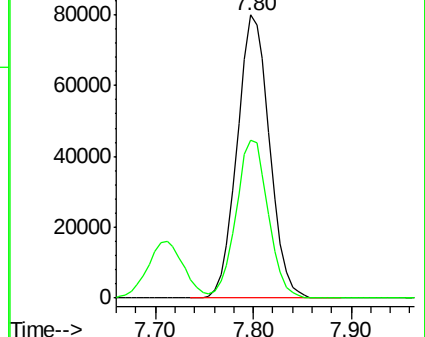
168 100

99 56.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 22.882 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001213.D

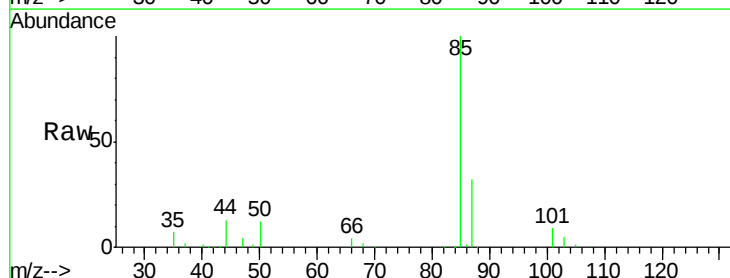
Acq: 15 Jan 2020 13:26

Tgt Ion: 85 Resp: 32148

Ion Ratio Lower Upper

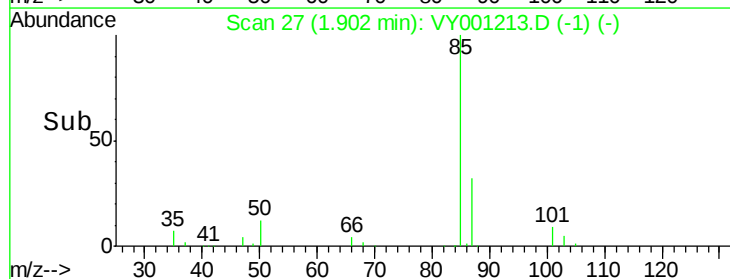
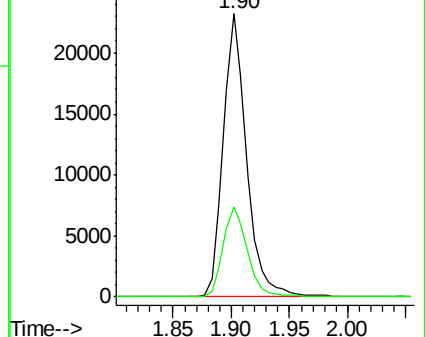
85 100

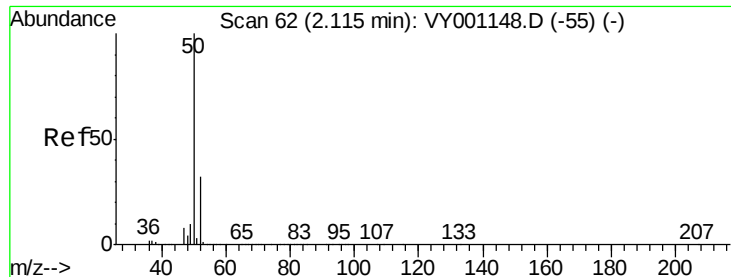
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)





#3

Chloromethane

Concen: 22.399 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

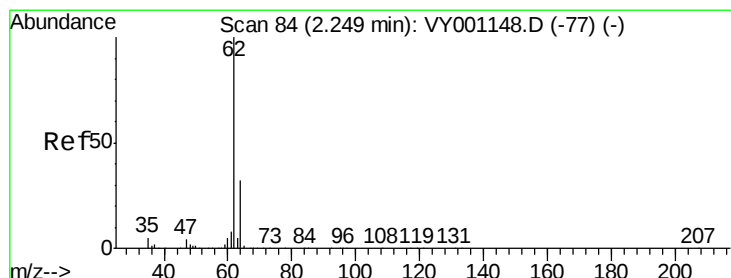
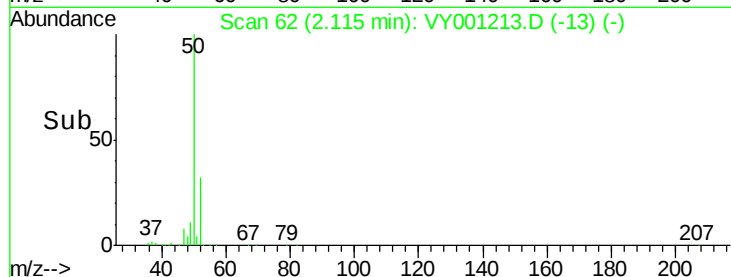
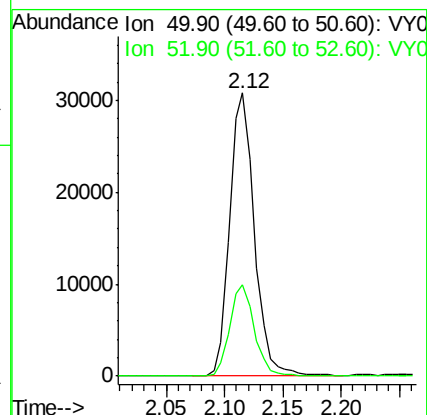
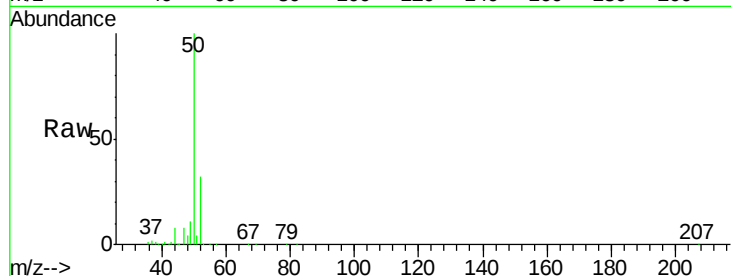
VY0115SBS01

Tgt Ion: 50 Resp: 45360

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 23.296 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001213.D

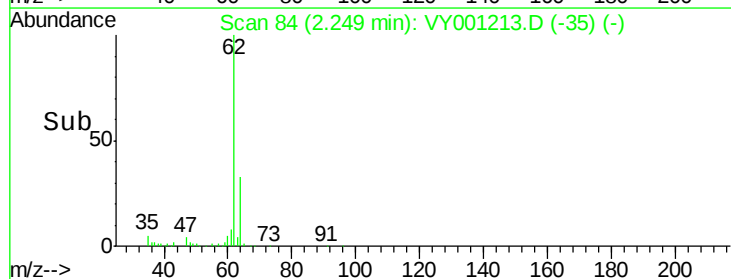
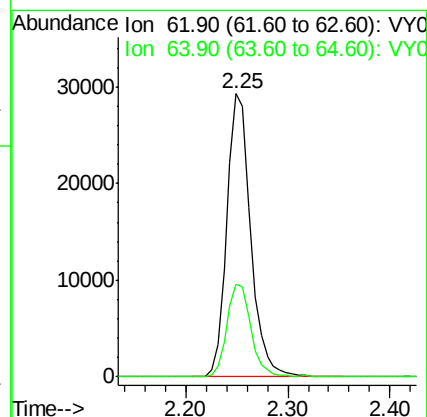
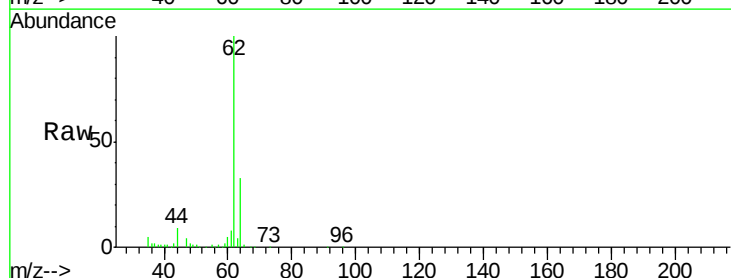
Acq: 15 Jan 2020 13:26

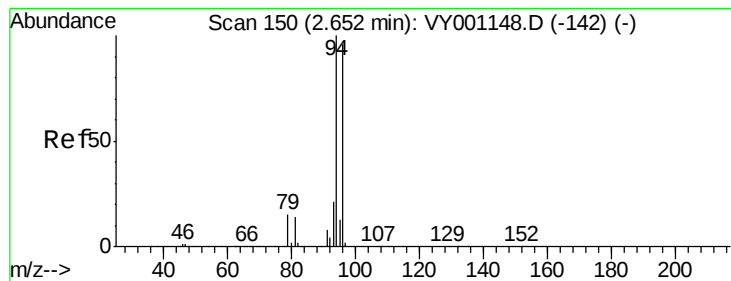
Tgt Ion: 62 Resp: 47527

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 28.958 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

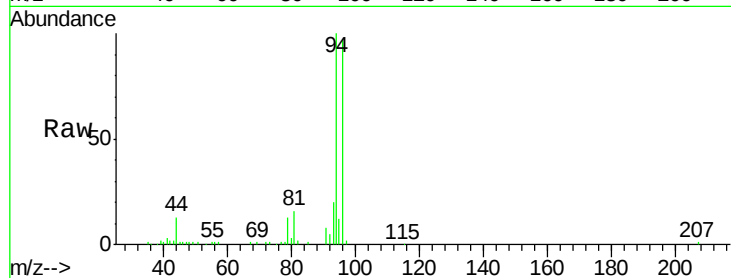
VY0115SBS01

Tgt Ion: 94 Resp: 31734

Ion Ratio Lower Upper

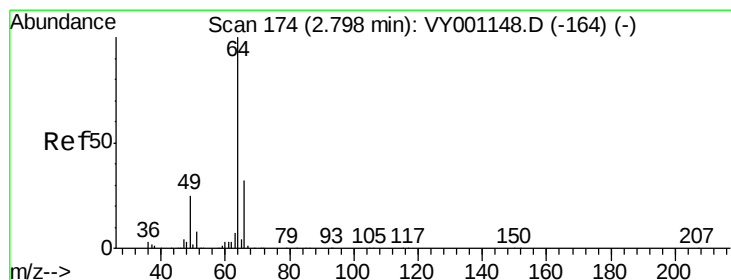
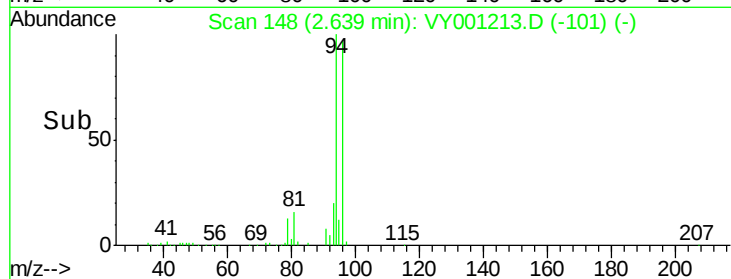
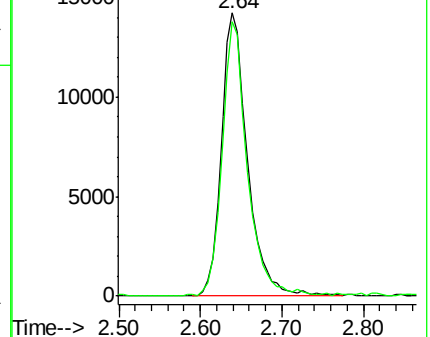
94 100

96 96.2 77.3 115.9



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 25.284 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001213.D

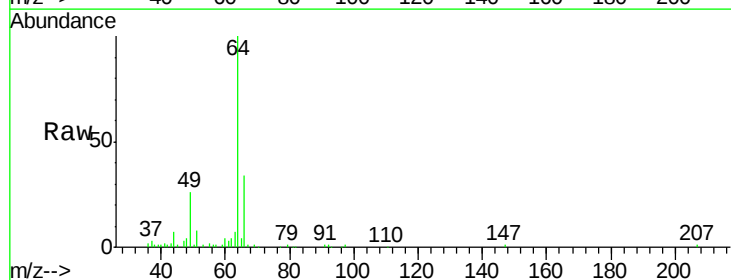
Acq: 15 Jan 2020 13:26

Tgt Ion: 64 Resp: 29801

Ion Ratio Lower Upper

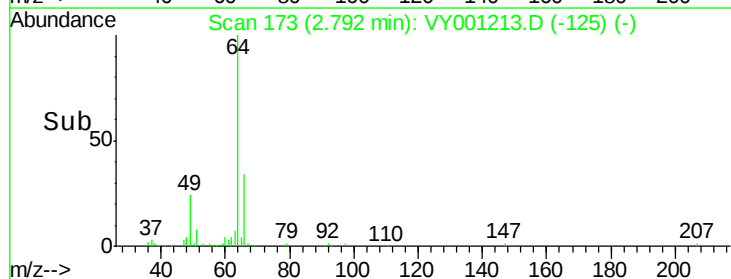
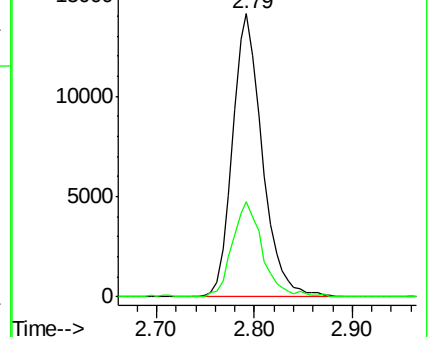
64 100

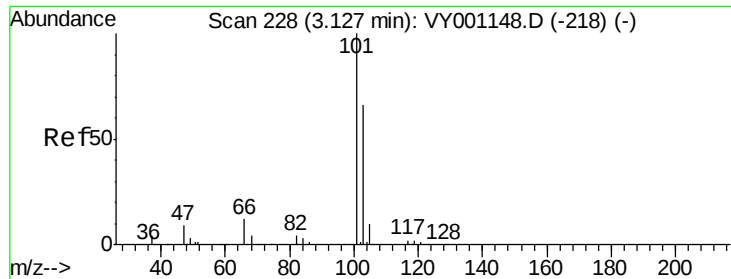
66 33.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



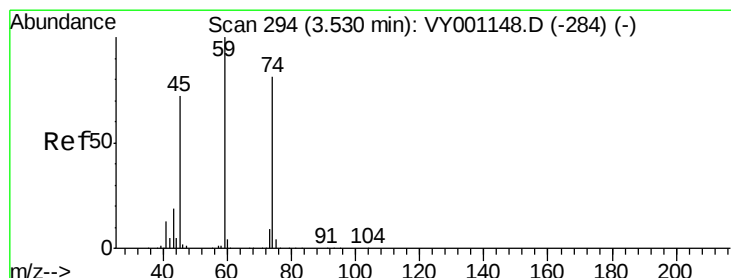
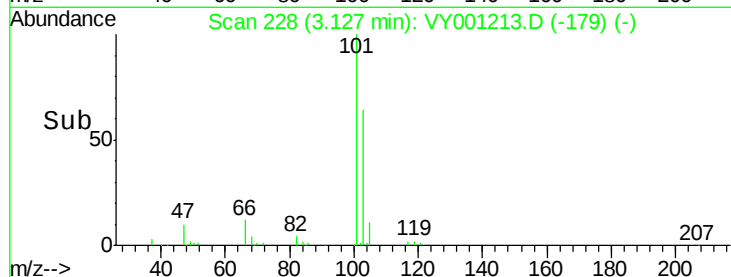
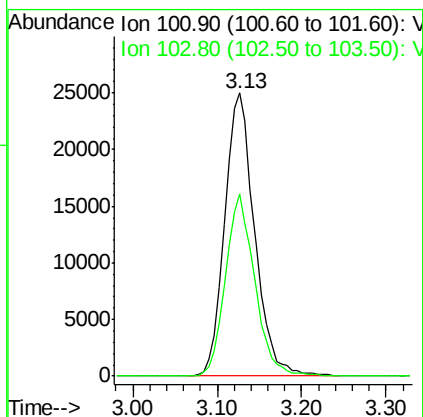
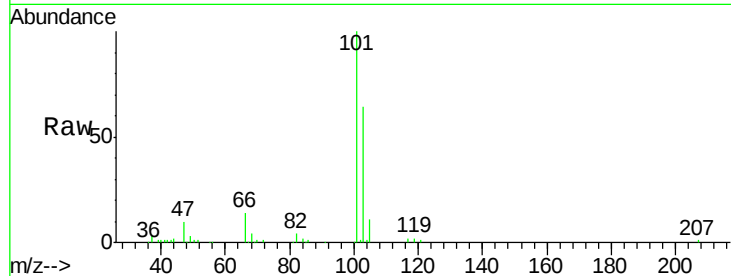


#7

Trichlorofluoromethane
 Concen: 21.313 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Instrument :
 MSVOA_Y
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 VY0115SBS01

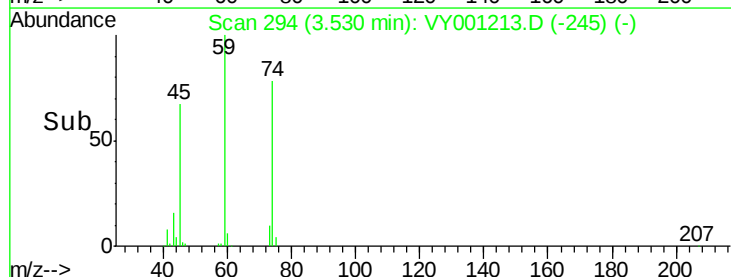
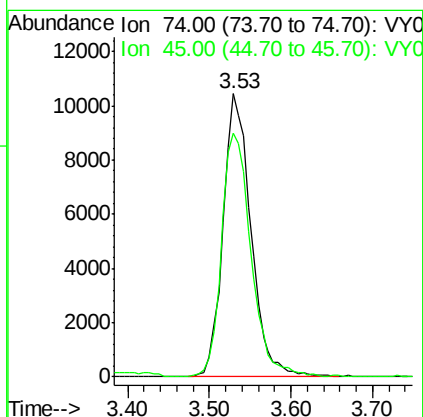
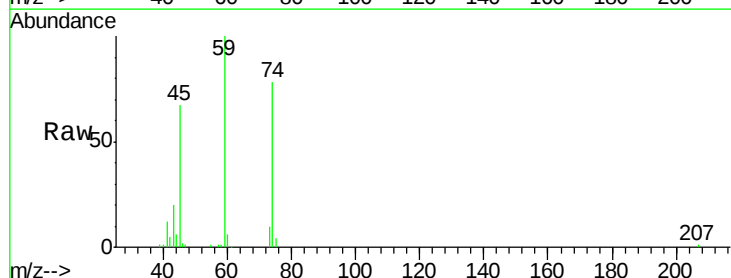
Tgt Ion:101 Resp: 60525
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 79.0

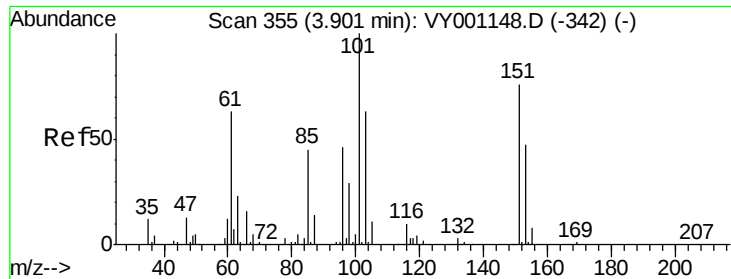


#8

Diethyl Ether
 Concen: 22.337 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 74 Resp: 24648
 Ion Ratio Lower Upper
 74 100
 45 91.5 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.758 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

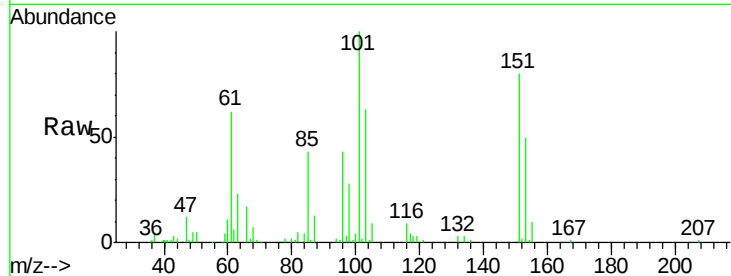
Tgt Ion:101 Resp: 37944

Ion Ratio Lower Upper

101 100

85 45.1 35.2 52.8

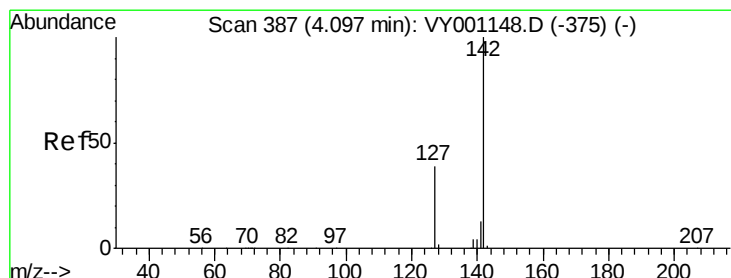
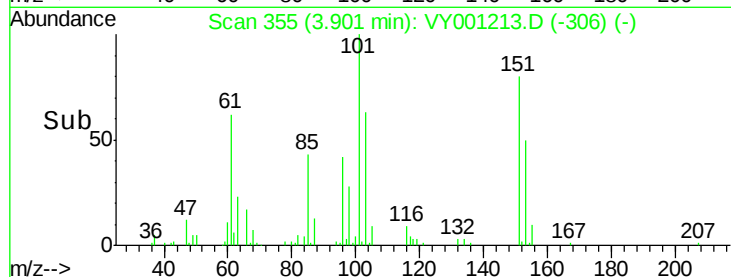
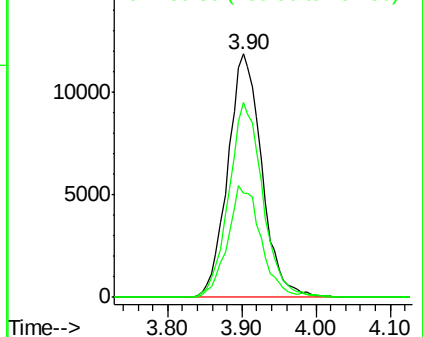
151 79.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.303 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

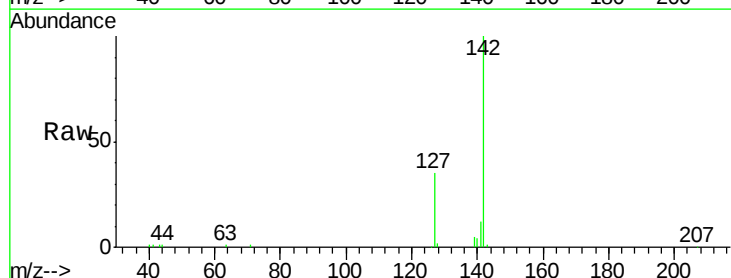
Tgt Ion:142 Resp: 50798

Ion Ratio Lower Upper

142 100

127 38.2 30.8 46.2

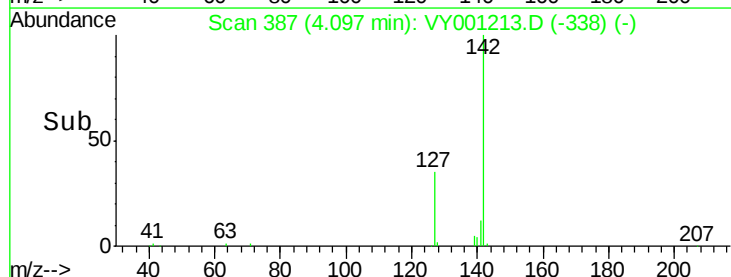
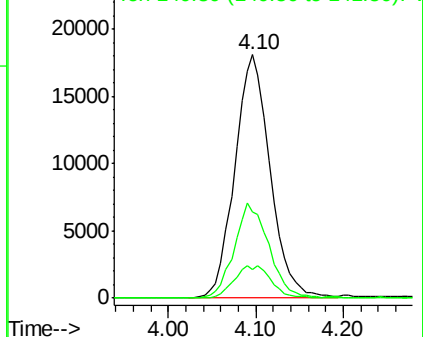
141 13.8 11.0 16.4

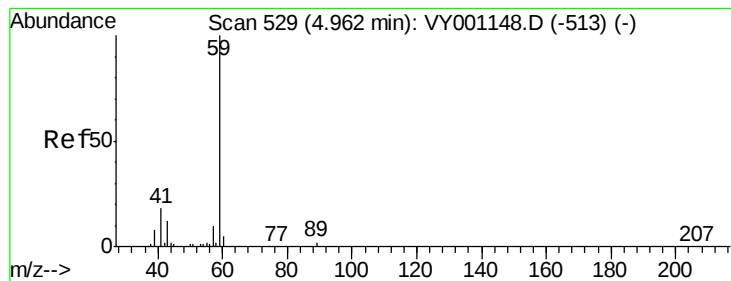


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 133.547 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

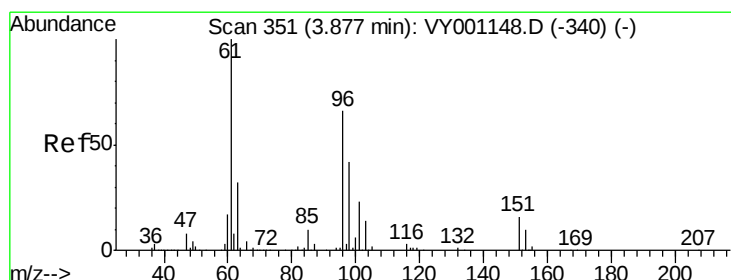
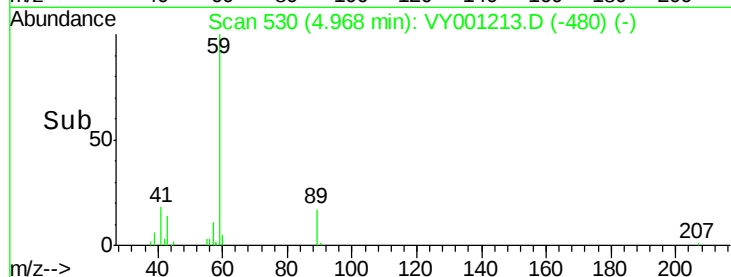
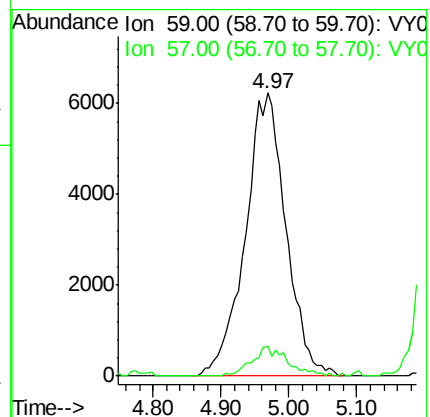
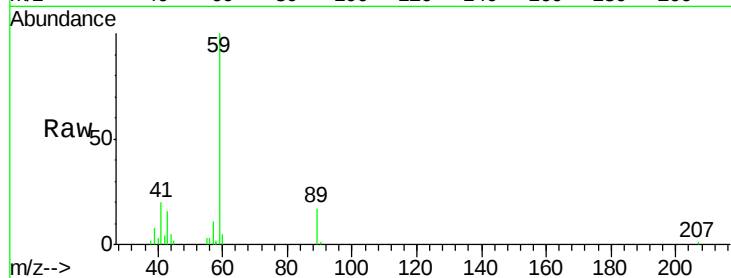
VY0115SBS01

Tgt Ion: 59 Resp: 25961

Ion Ratio Lower Upper

59 100

57 9.3 7.8 11.8



#12

1,1-Dichloroethene

Concen: 21.451 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

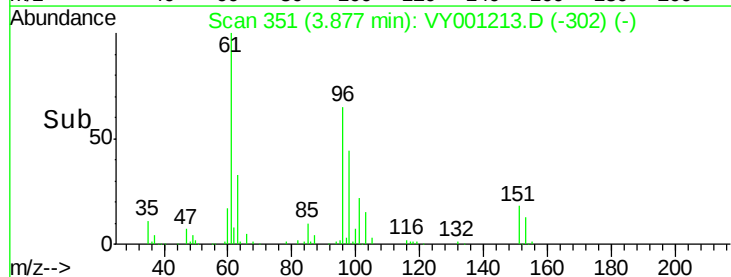
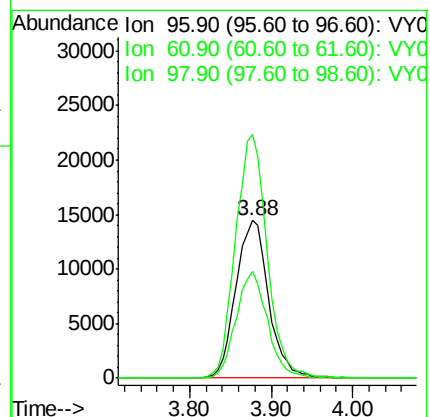
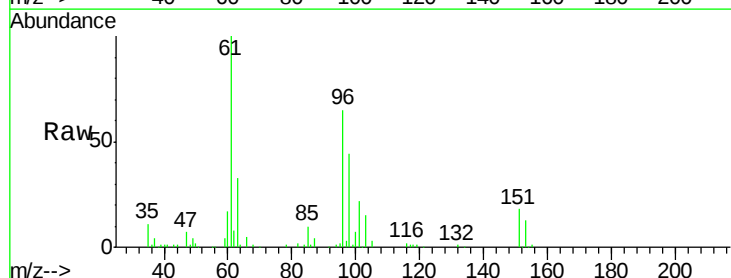
Tgt Ion: 96 Resp: 40117

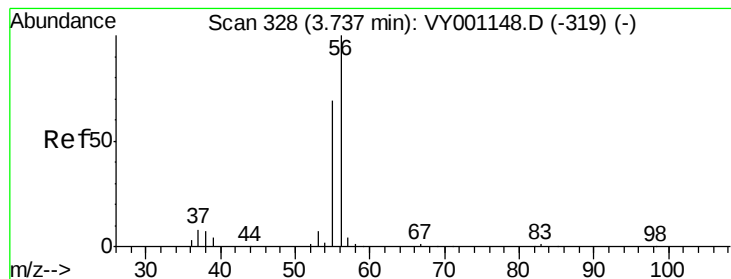
Ion Ratio Lower Upper

96 100

61 154.8 122.1 183.1

98 67.7 51.0 76.6





#13

Acrolein

Concen: 119.682 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

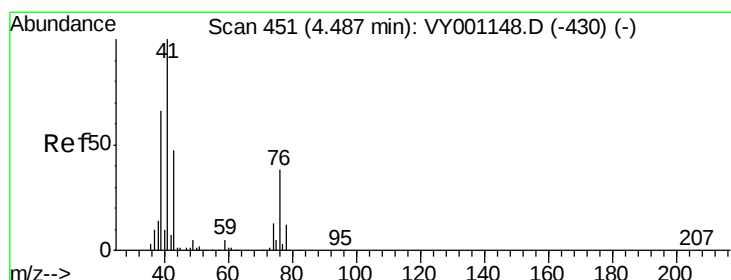
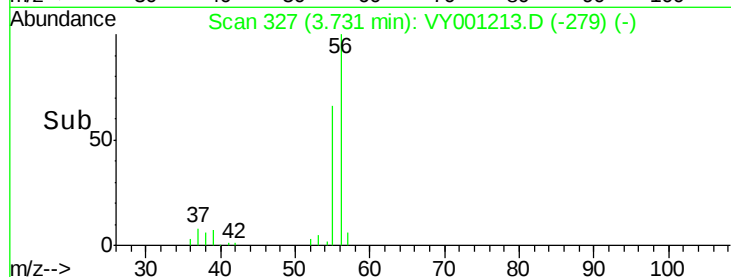
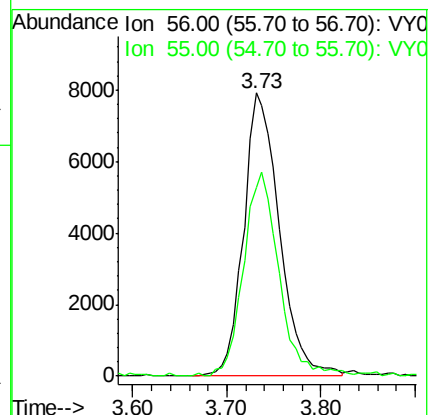
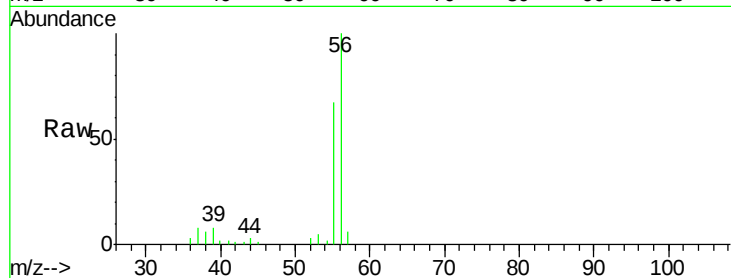
VY0115SBS01

Tgt Ion: 56 Resp: 20945

Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1



#14

Allyl chloride

Concen: 21.511 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

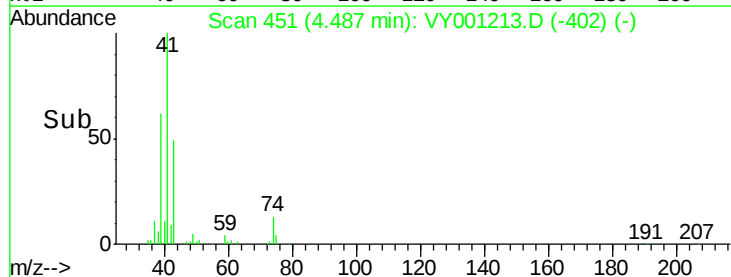
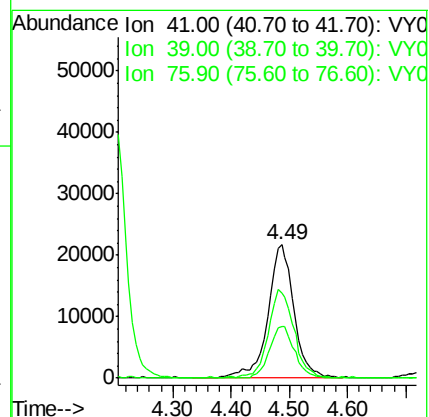
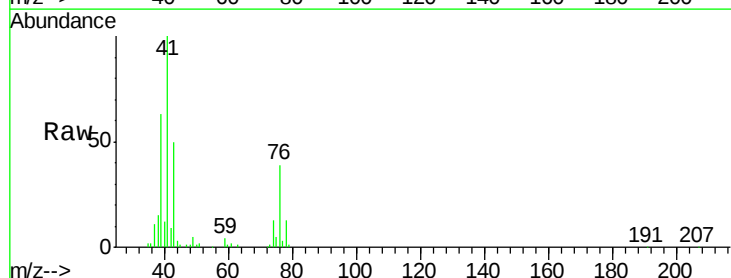
Tgt Ion: 41 Resp: 67895

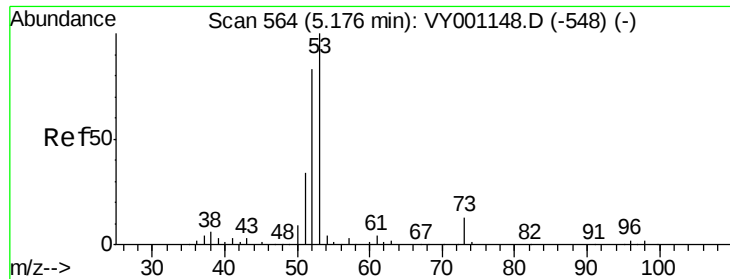
Ion Ratio Lower Upper

41 100

39 63.1 52.6 78.8

76 37.1 30.2 45.2





#15

Acrylonitrile

Concen: 113.506 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

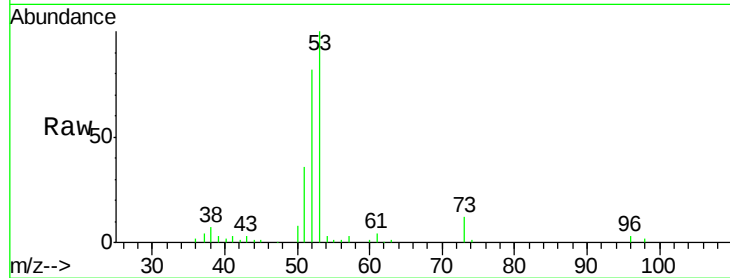
Tgt Ion: 53 Resp: 62640

Ion Ratio Lower Upper

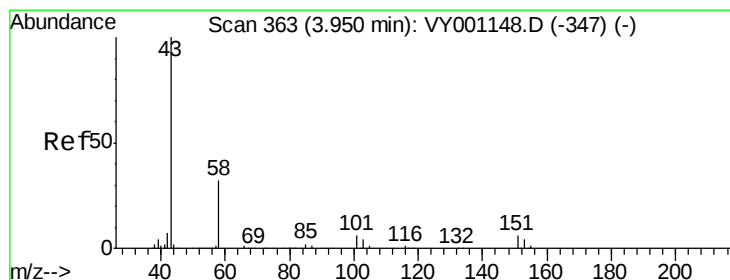
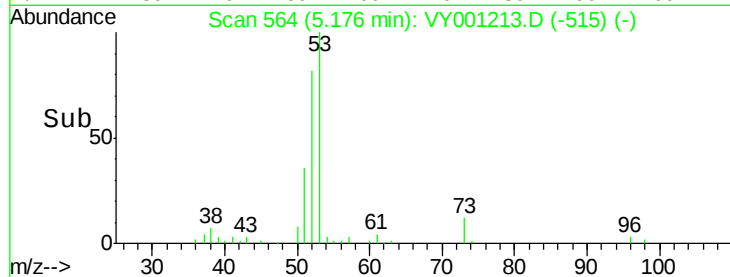
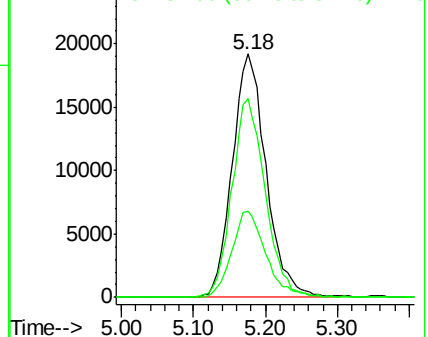
53 100

52 80.5 65.7 98.5

51 35.9 28.7 43.1



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



#16

Acetone

Concen: 117.976 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001213.D

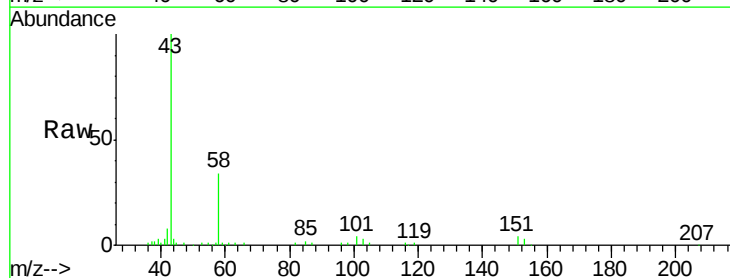
Acq: 15 Jan 2020 13:26

Tgt Ion: 43 Resp: 52938

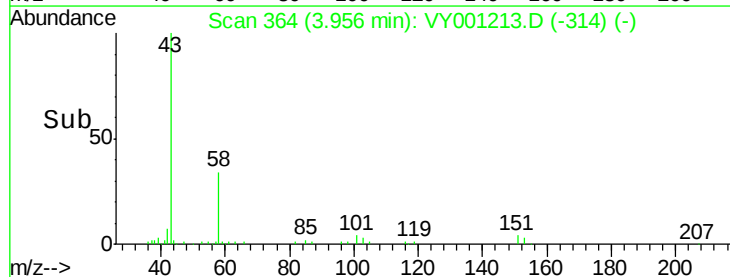
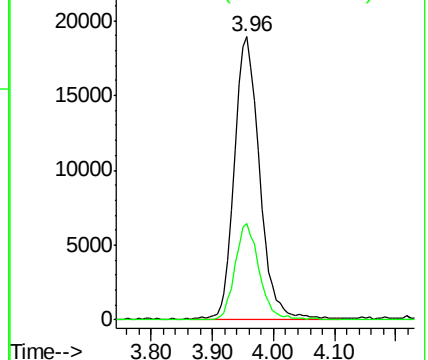
Ion Ratio Lower Upper

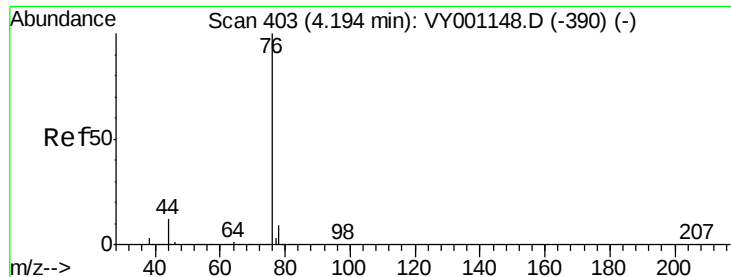
43 100

58 34.4 25.8 38.6



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

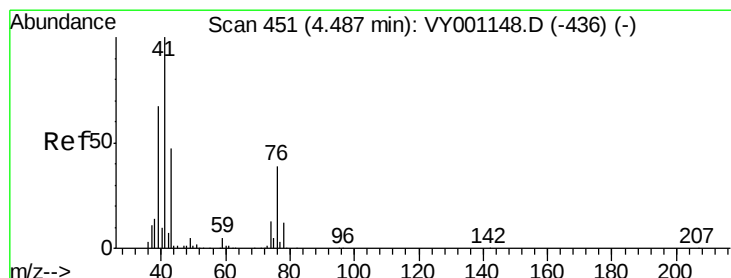
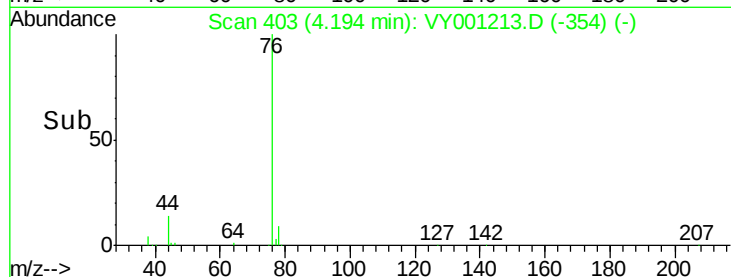
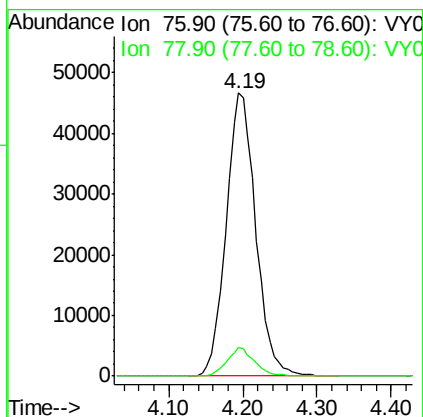
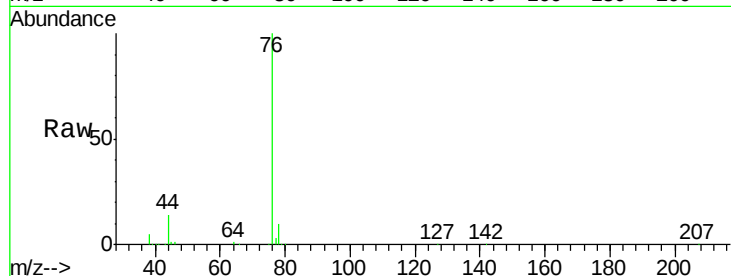




#17
Carbon Disulfide
Concen: 21.364 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

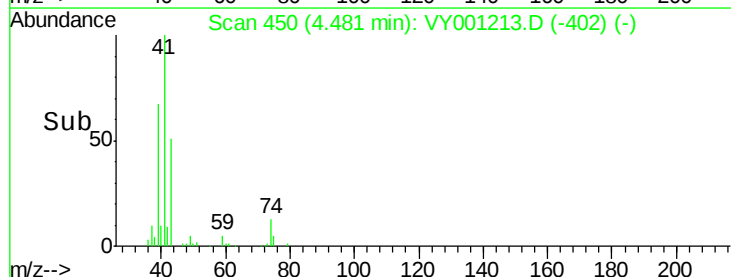
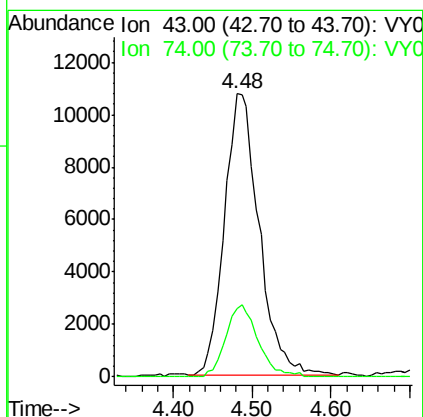
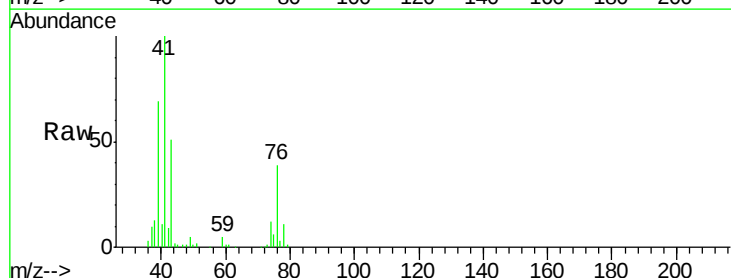
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

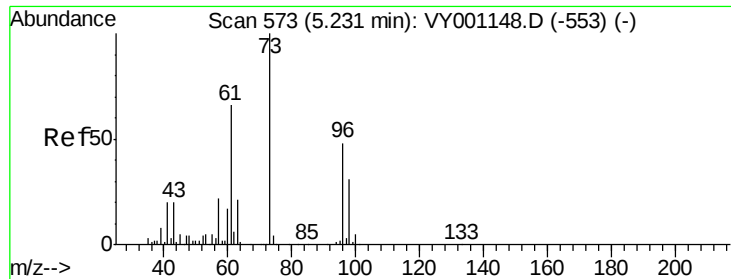
Tgt Ion: 76 Resp: 129308
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#18
Methyl Acetate
Concen: 22.092 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 43 Resp: 32775
Ion Ratio Lower Upper
43 100
74 23.8 20.2 30.2

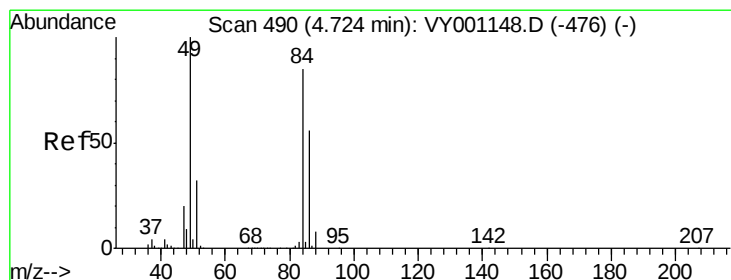
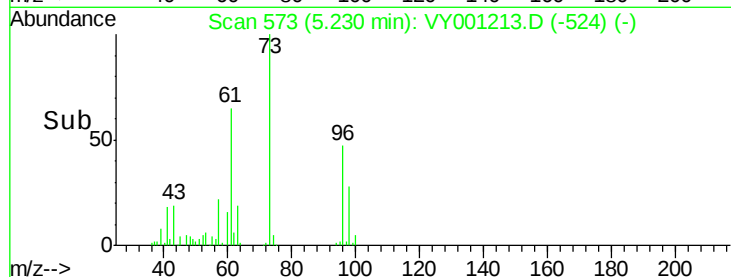
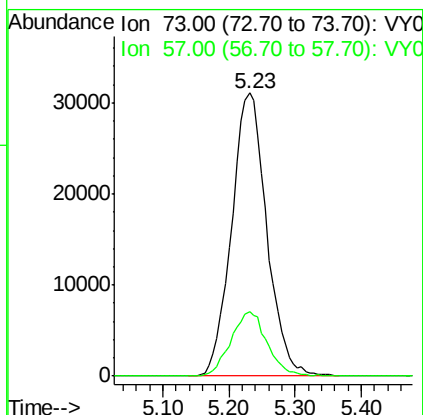
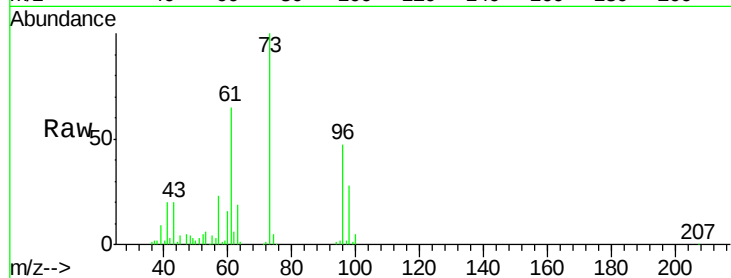




#19
Methyl tert-butyl Ether
Concen: 22.142 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

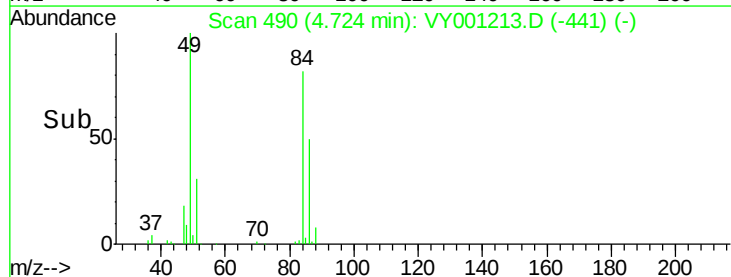
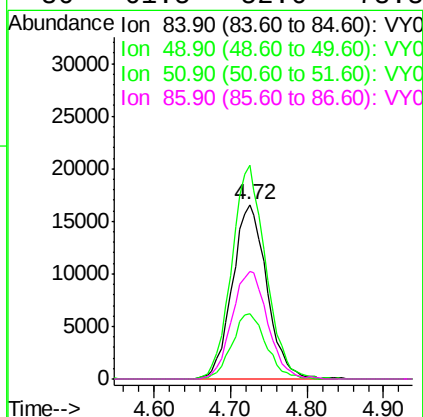
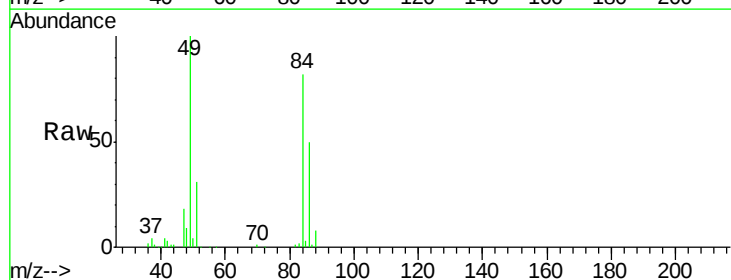
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

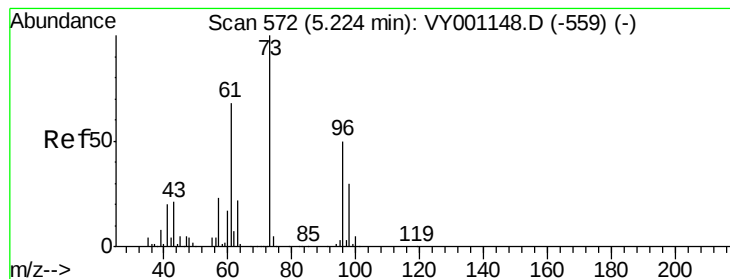
Tgt Ion: 73 Resp: 114542
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.6



#20
Methylene Chloride
Concen: 21.658 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 84 Resp: 51836
Ion Ratio Lower Upper
84 100
49 122.3 93.8 140.6
51 37.5 29.9 44.9
86 61.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.610 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

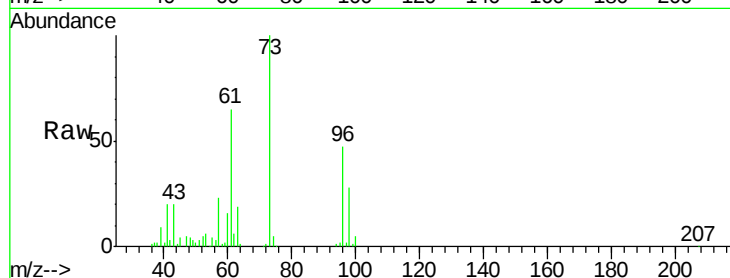
Tgt Ion: 96 Resp: 45825

Ion Ratio Lower Upper

96 100

61 138.9 107.6 161.4

98 59.6 47.6 71.4

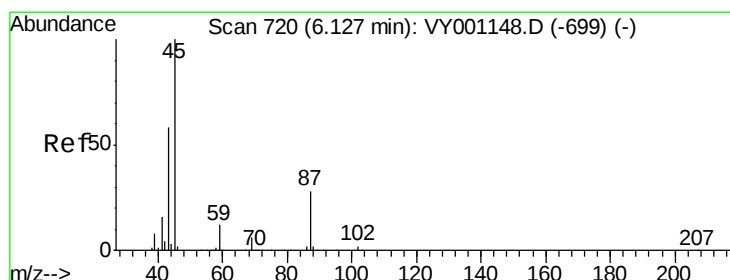
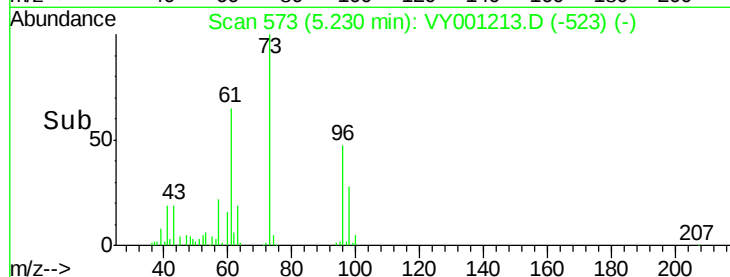
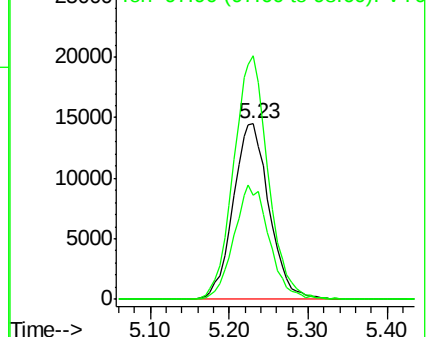


Abundance

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: 21.668 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Tgt Ion: 45 Resp: 139687

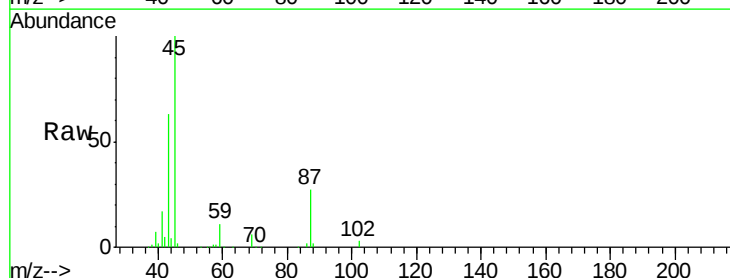
Ion Ratio Lower Upper

45 100

43 62.4 46.5 69.7

87 27.5 22.5 33.7

59 11.4 9.4 14.0



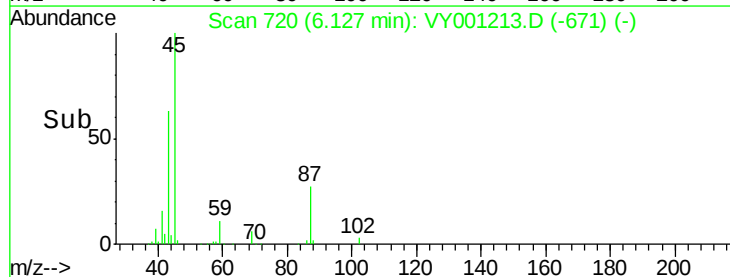
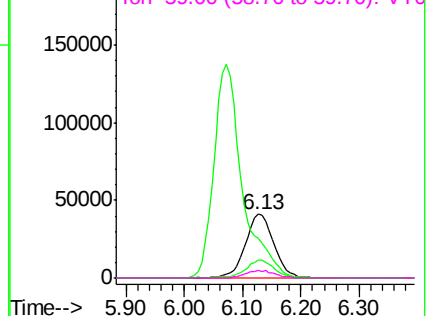
Abundance

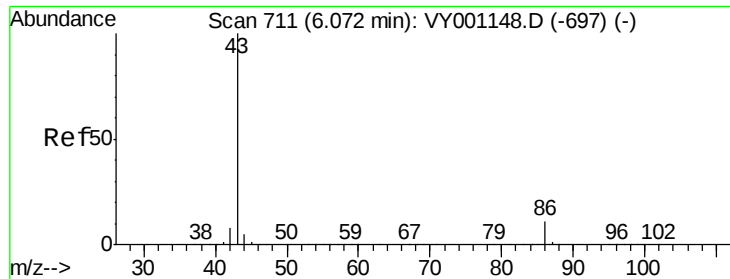
Ion 45.00 (44.70 to 45.70): VY0

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: 112.877 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

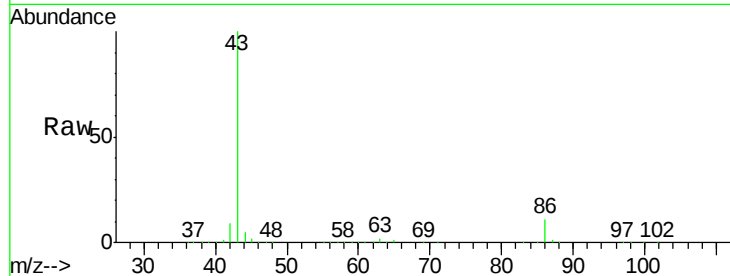
VY0115SBS01

Tgt Ion: 43 Resp: 465385

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

150000

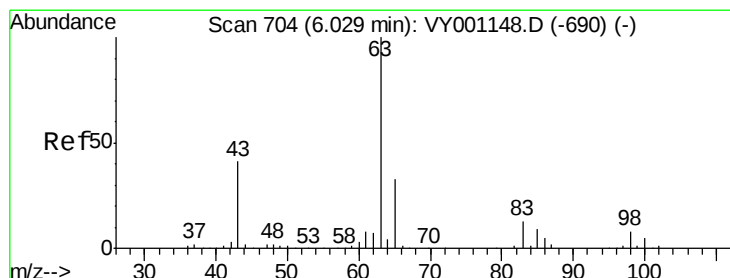
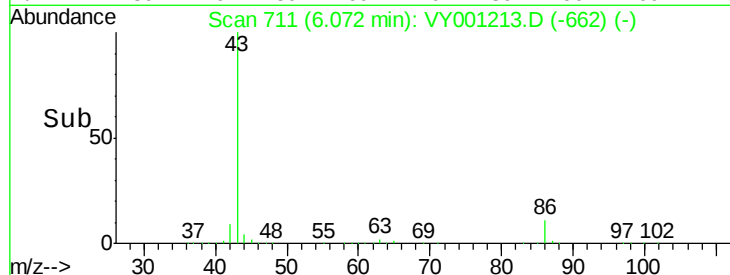
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 22.204 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

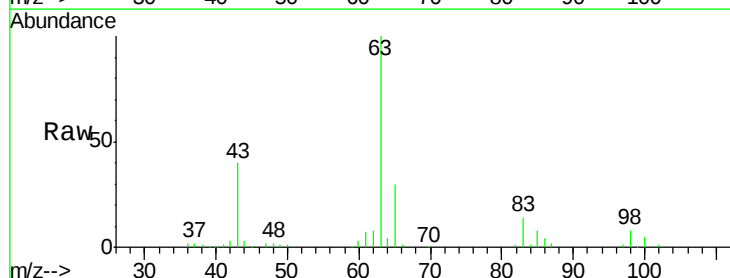
Tgt Ion: 63 Resp: 78363

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.4 7.2



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

6.03

30000

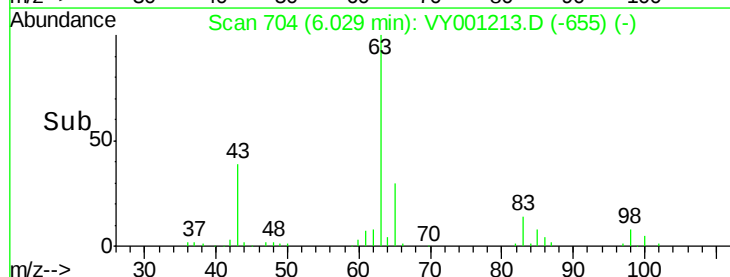
20000

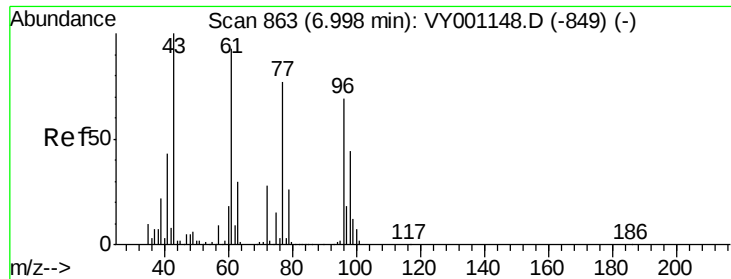
10000

0

5.90 6.10 6.20

Time-->





#25

2-Butanone

Concen: 123.286 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

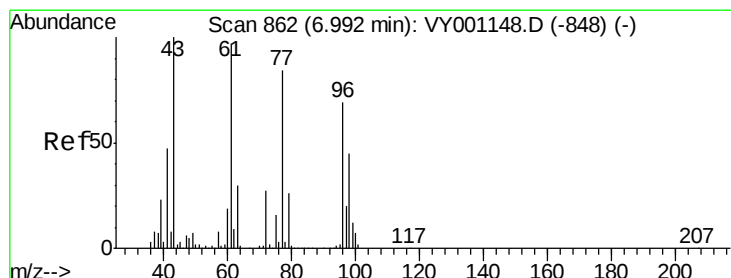
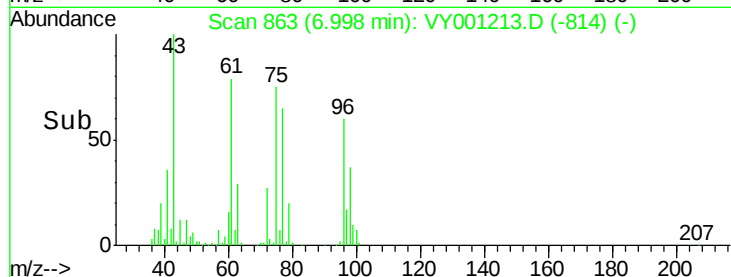
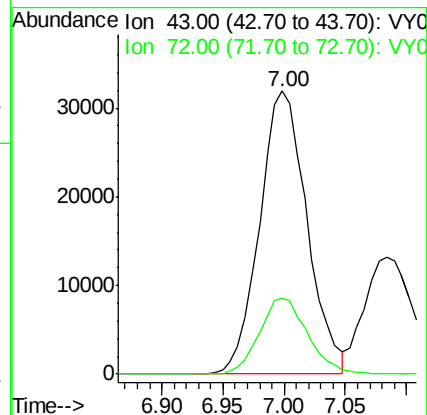
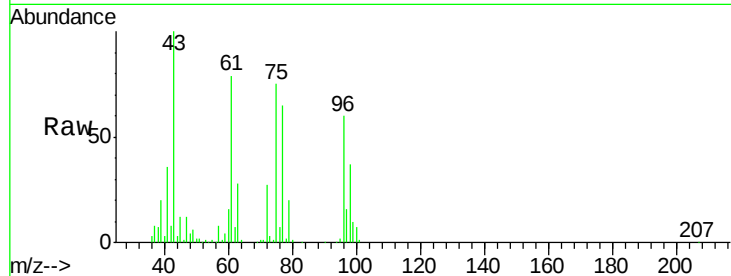
VY0115SBS01

Tgt Ion: 43 Resp: 86098

Ion Ratio Lower Upper

43 100

72 27.0 22.2 33.2



#26

2,2-Dichloropropane

Concen: 20.986 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001213.D

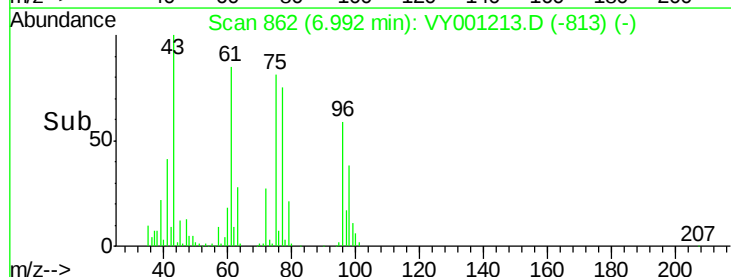
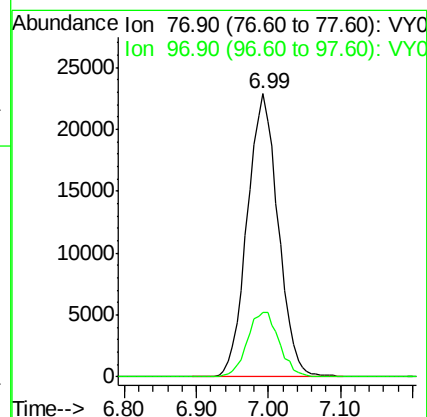
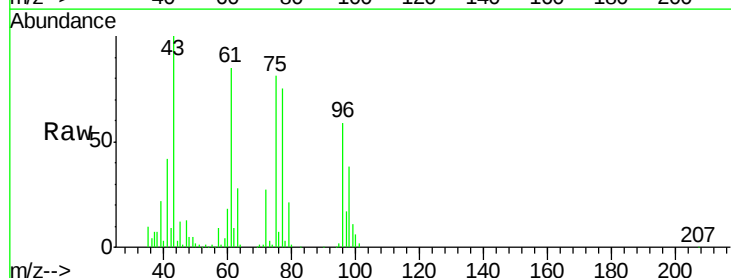
Acq: 15 Jan 2020 13:26

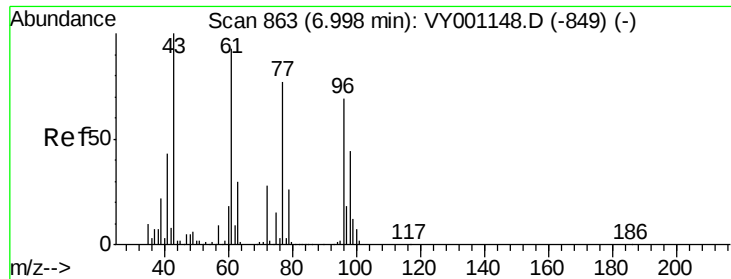
Tgt Ion: 77 Resp: 68111

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.7



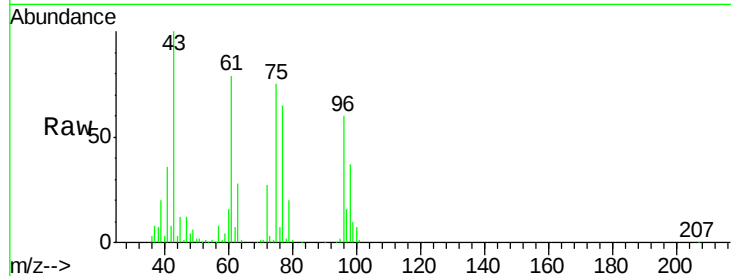


#27

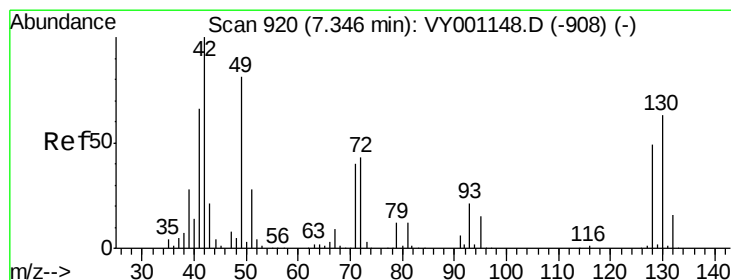
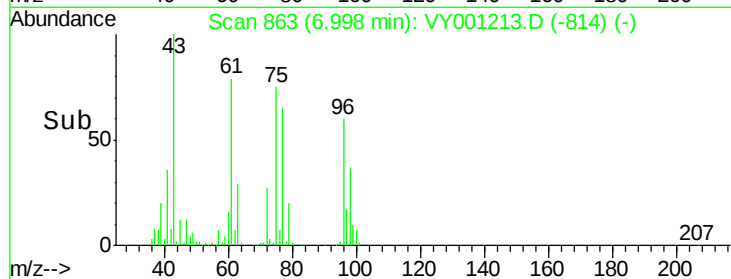
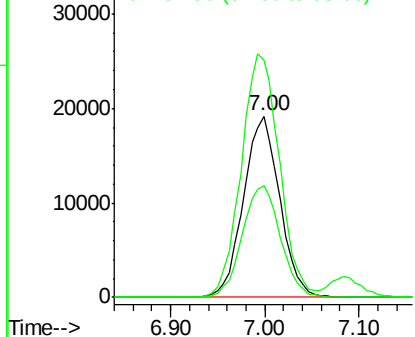
cis-1,2-Dichloroethene
Concen: 22.197 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tgt Ion: 96 Resp: 51576
Ion Ratio Lower Upper
96 100
61 141.7 0.0 284.0
98 64.7 0.0 130.2



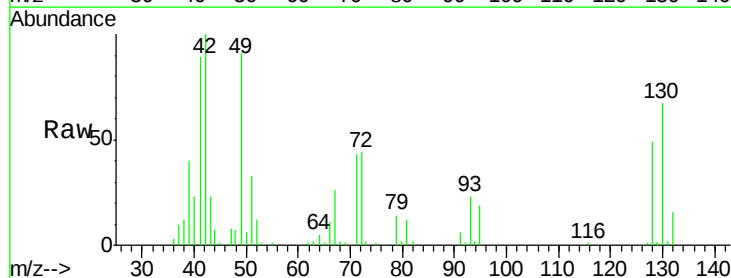
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



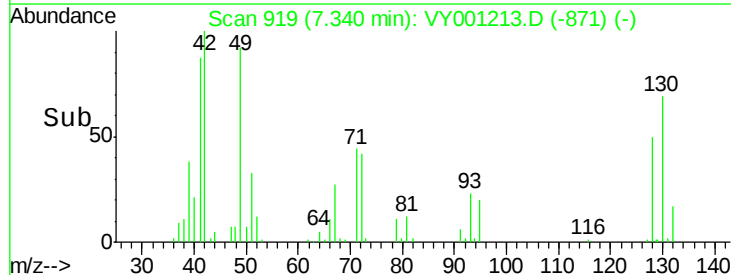
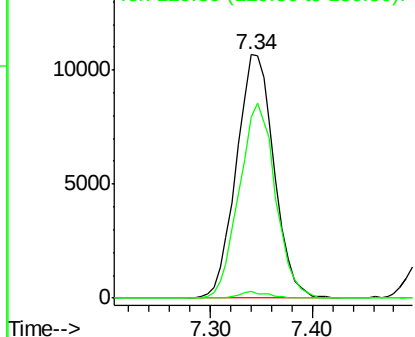
#28

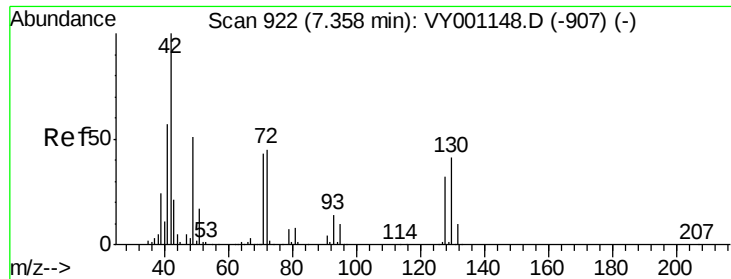
Bromochloromethane
Concen: 18.903 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 49 Resp: 27396
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.4
130 77.2 61.2 91.8



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

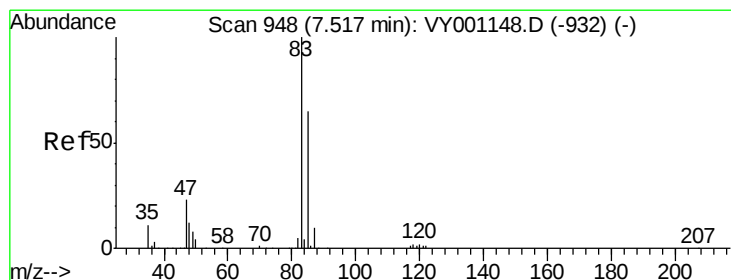
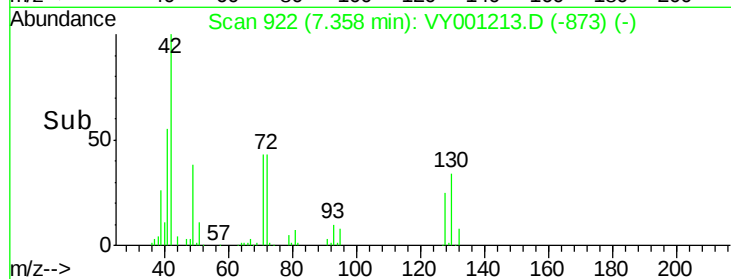
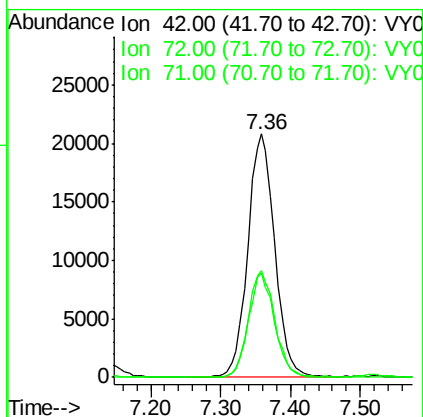
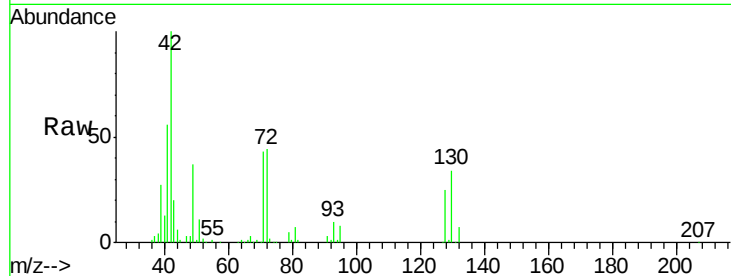




#29
Tetrahydrofuran
Concen: 116.181 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

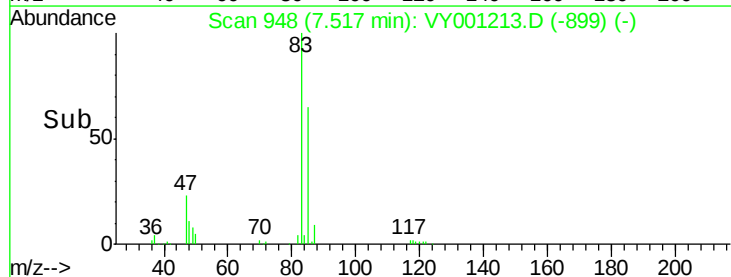
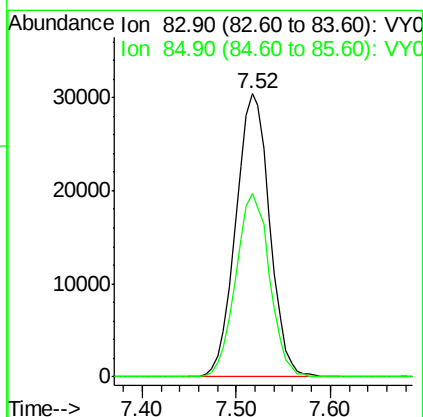
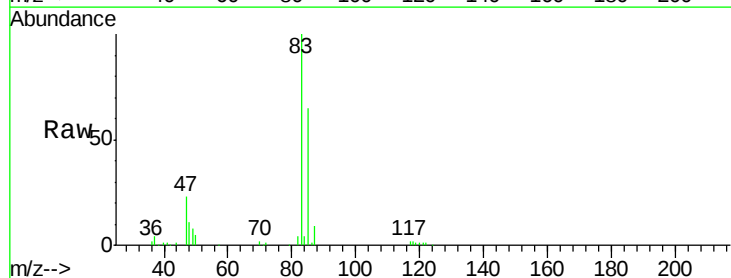
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

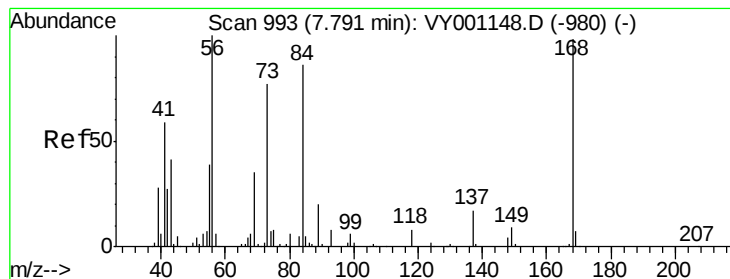
Tgt Ion: 42 Resp: 55603
Ion Ratio Lower Upper
42 100
72 43.3 36.9 55.3
71 41.0 34.0 51.0



#30
Chloroform
Concen: 22.059 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 83 Resp: 76282
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9





#31

Cyclohexane

Concen: 20.538 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

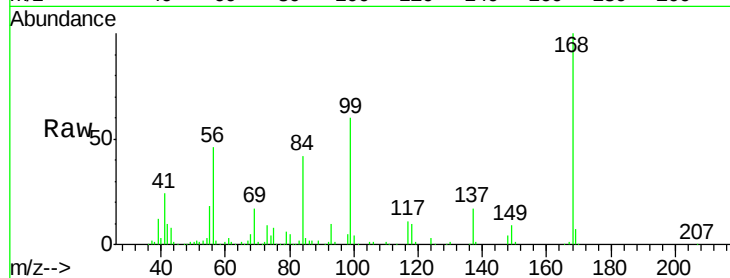
Tgt Ion: 56 Resp: 76746

Ion Ratio Lower Upper

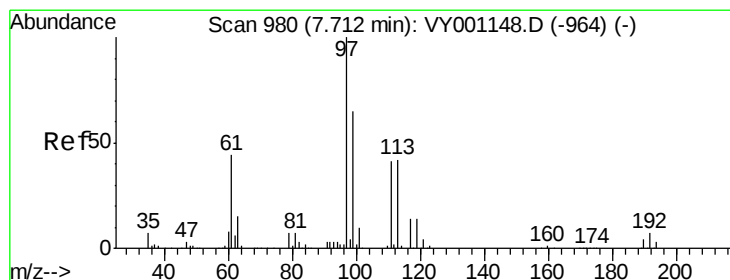
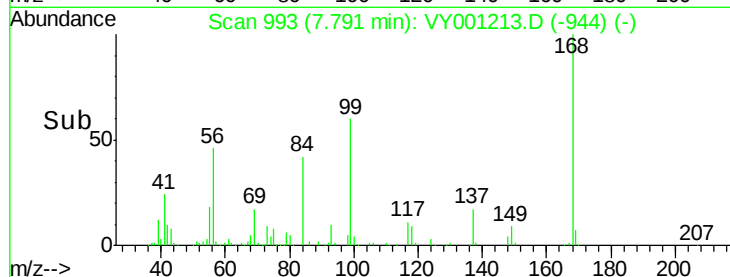
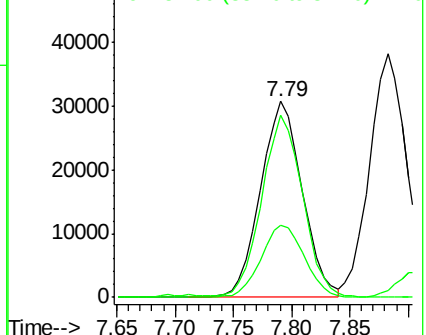
56 100

69 36.7 27.8 41.8

84 91.7 68.9 103.3



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: 21.136 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

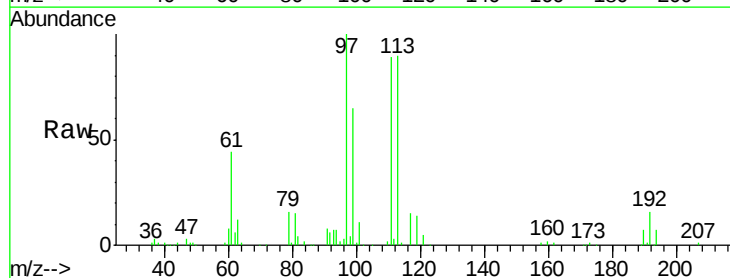
Tgt Ion: 97 Resp: 64851

Ion Ratio Lower Upper

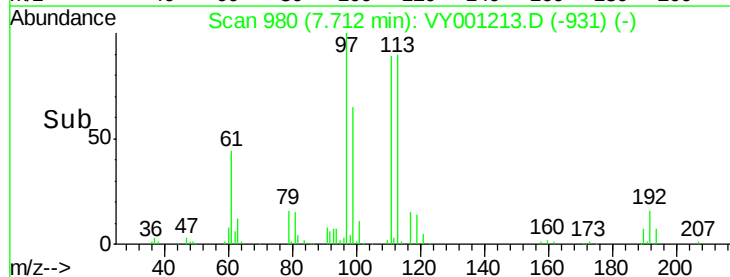
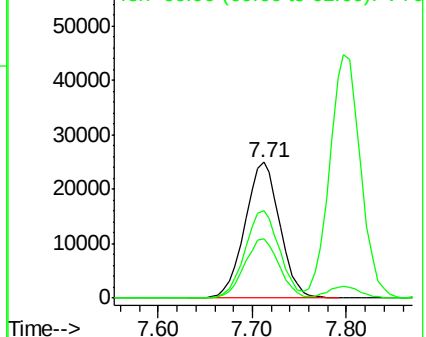
97 100

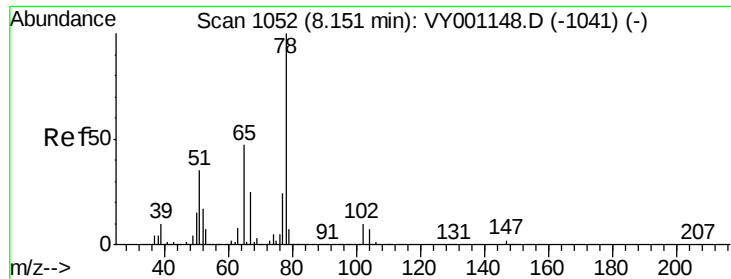
99 63.8 51.3 76.9

61 43.4 34.6 52.0



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

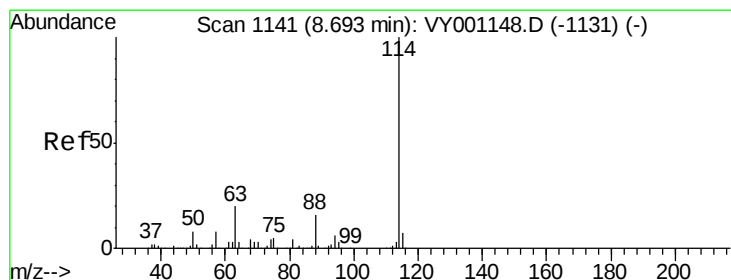
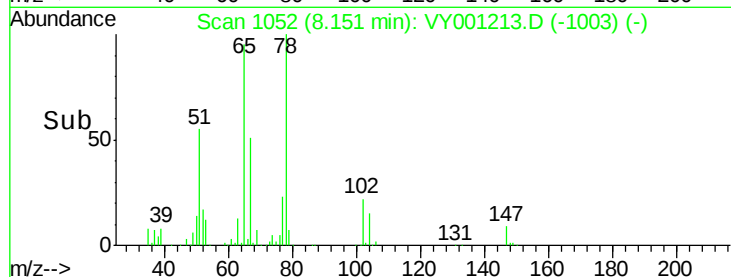
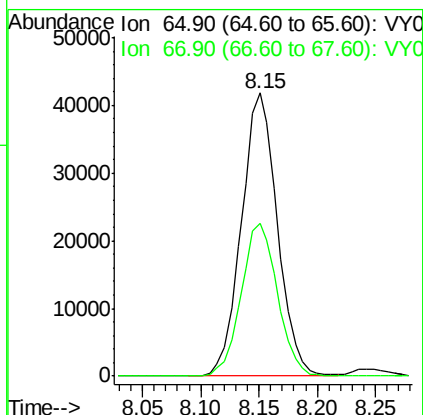
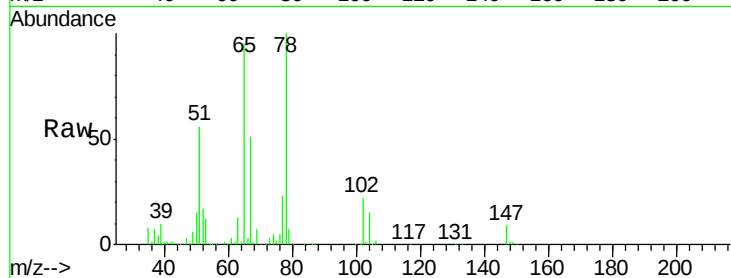




#33
 1,2-Dichloroethane-d4
 Concen: 46.446 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

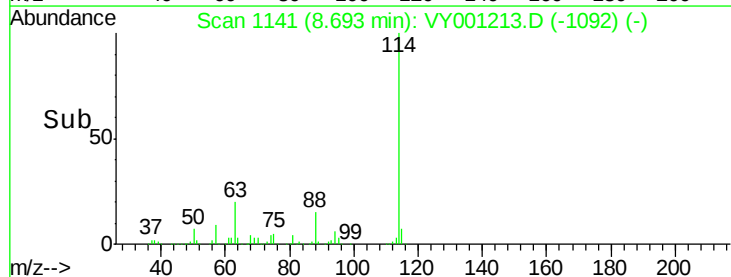
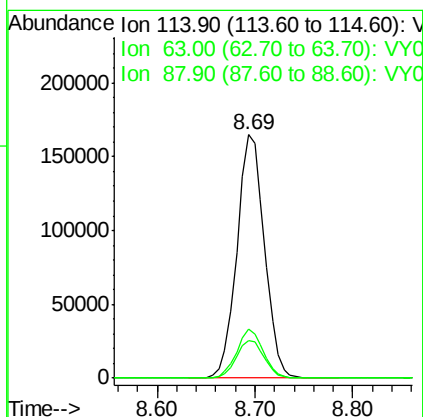
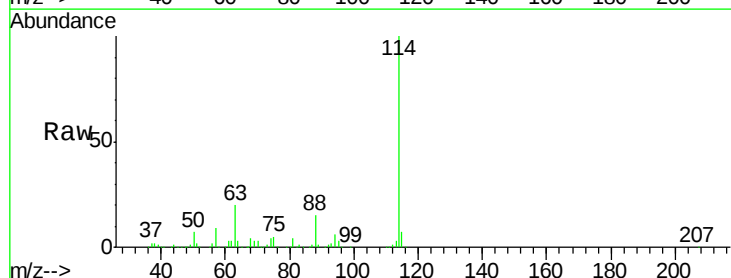
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

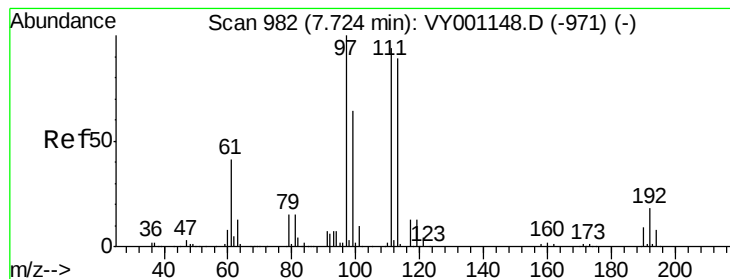
Tgt Ion: 65 Resp: 89738
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 114 Resp: 320797
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.488 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

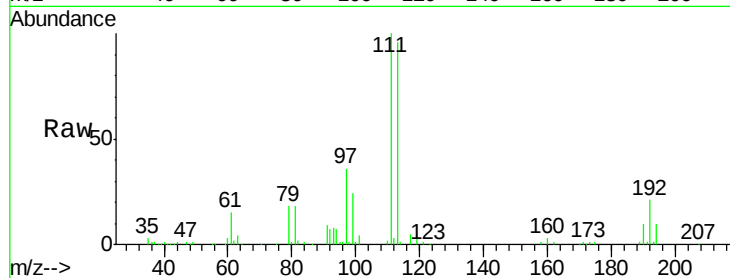
Tgt Ion:113 Resp: 85438

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

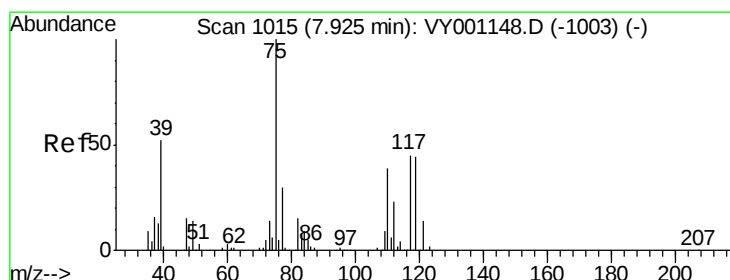
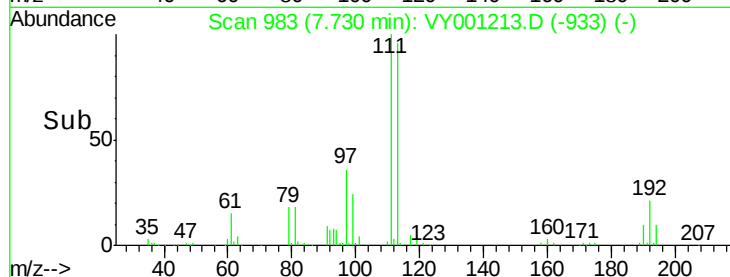
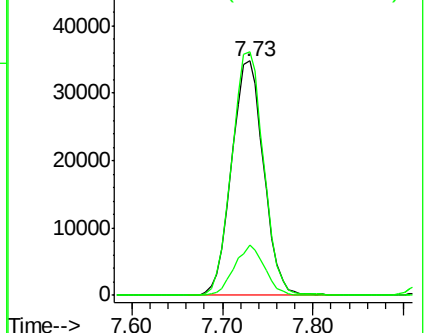
192 20.0 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.077 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

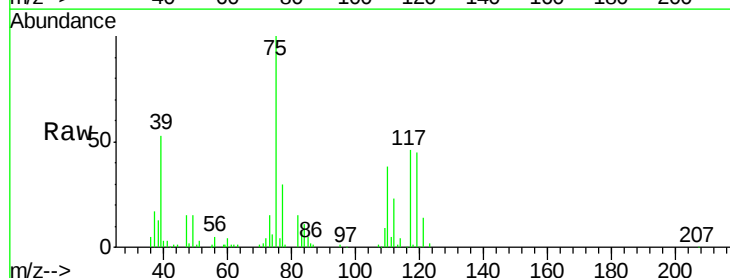
Tgt Ion: 75 Resp: 61626

Ion Ratio Lower Upper

75 100

110 36.9 18.3 54.8

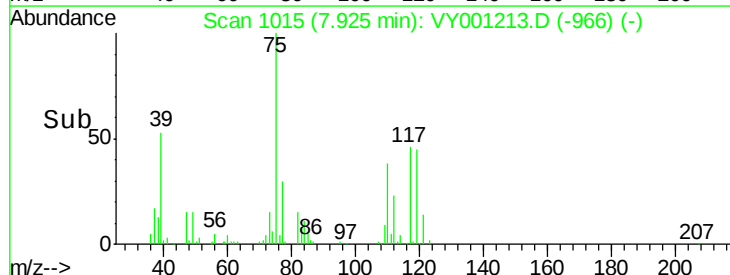
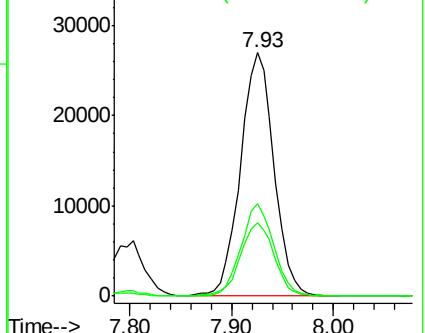
77 30.5 25.1 37.7

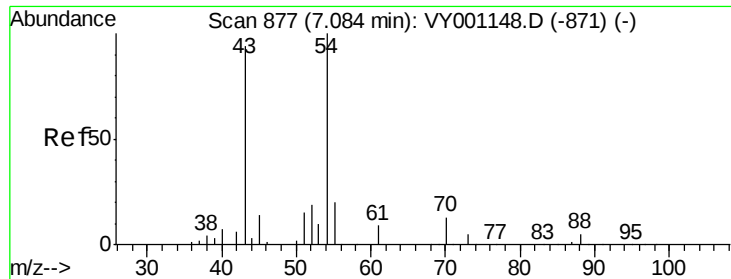


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

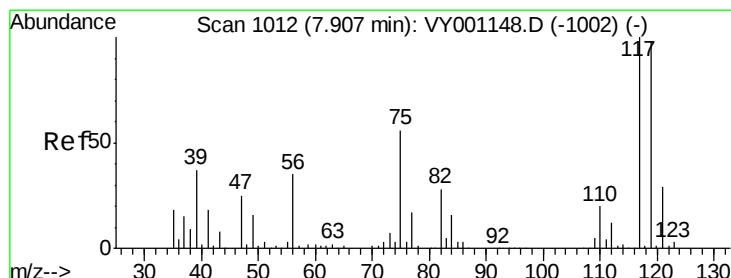
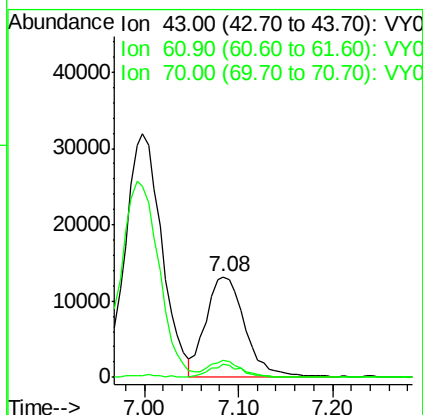
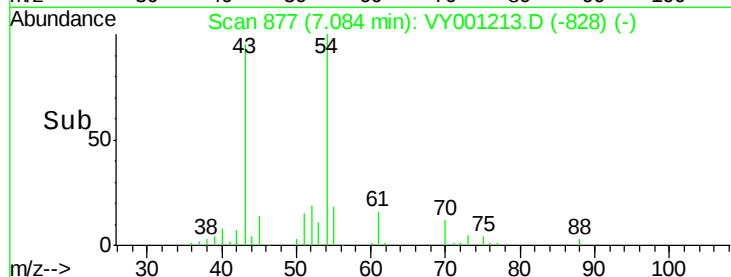
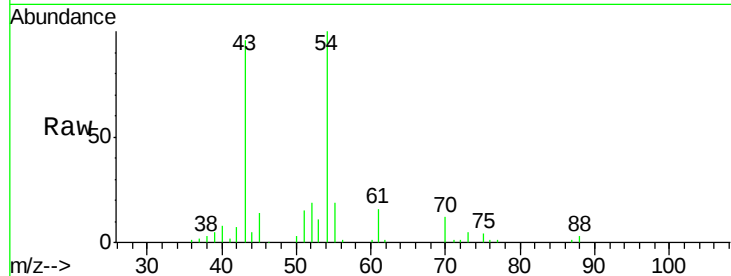




#37
Ethyl Acetate
Concen: 21.838 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

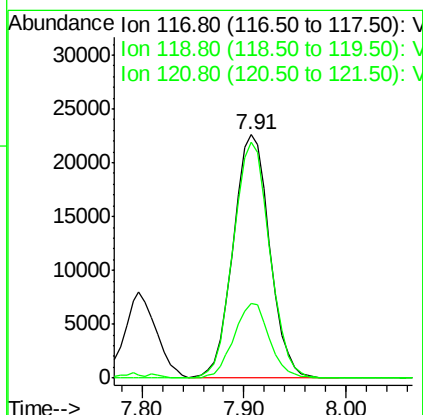
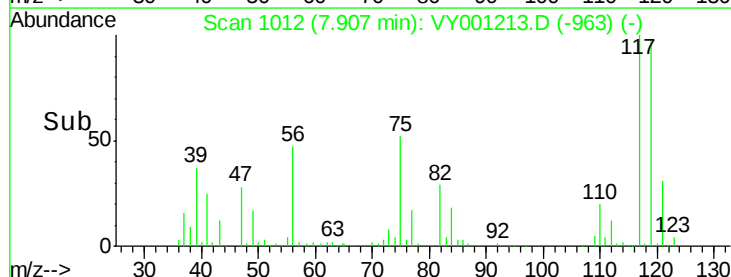
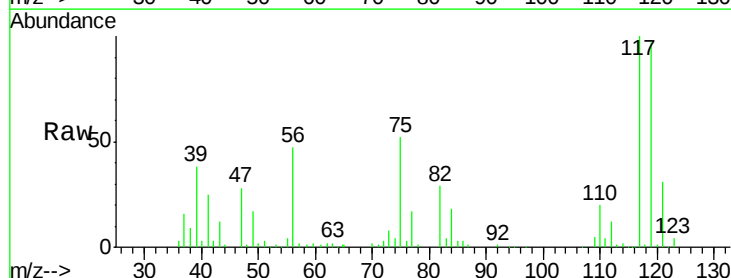
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

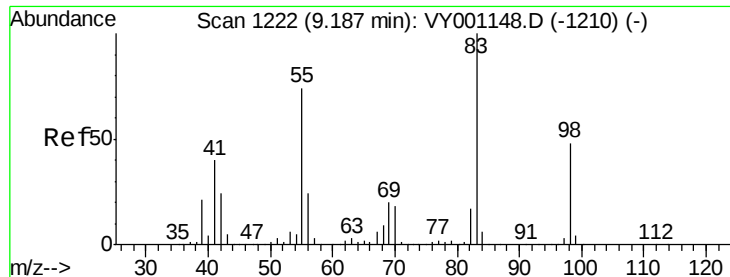
Tgt Ion: 43 Resp: 37473
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 10.7 9.7 14.5



#38
Carbon Tetrachloride
Concen: 20.906 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 117 Resp: 56019
Ion Ratio Lower Upper
117 100
119 96.9 78.3 117.5
121 30.9 23.5 35.3

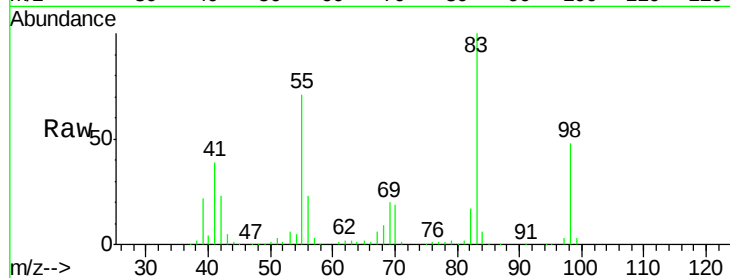




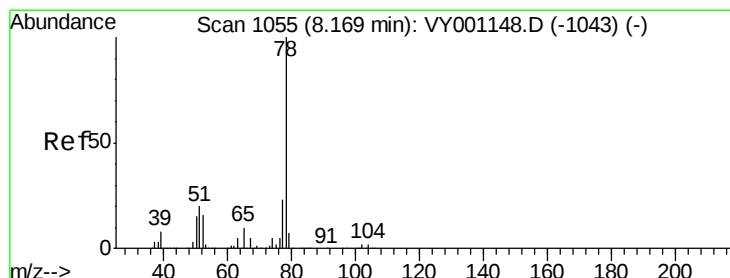
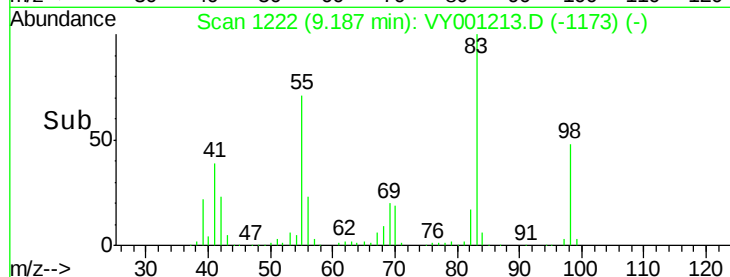
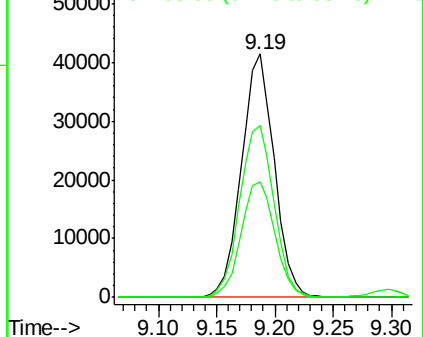
#39
Methylcyclohexane
Concen: 20.502 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tgt Ion: 83 Resp: 81269
Ion Ratio Lower Upper
83 100
55 70.6 58.9 88.3
98 47.6 38.4 57.6

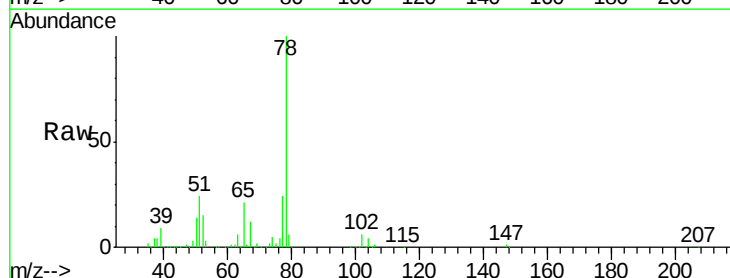


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

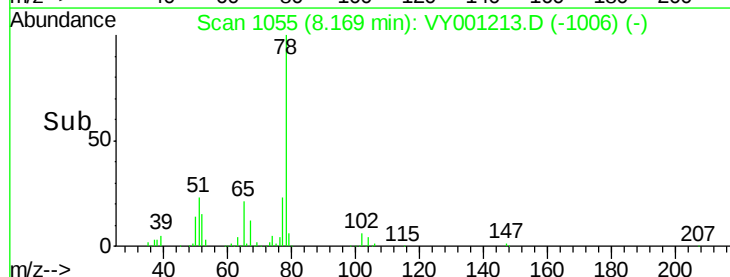
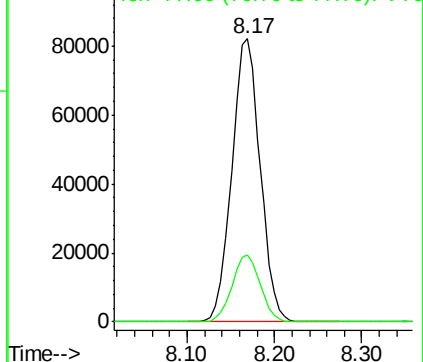


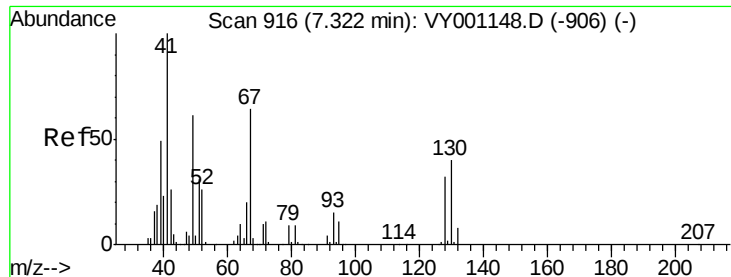
#40
Benzene
Concen: 21.666 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 78 Resp: 184919
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



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





#41

Methacrylonitrile

Concen: 62.305 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.03 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

Tgt Ion: 41 Resp: 50221

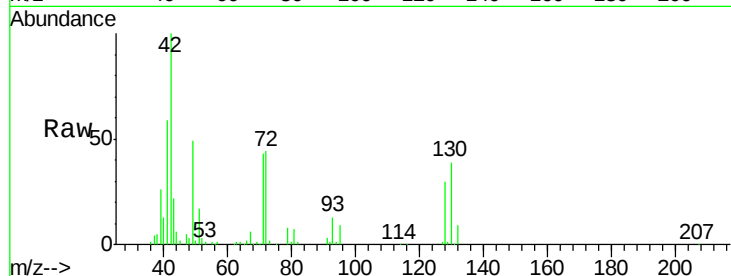
Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

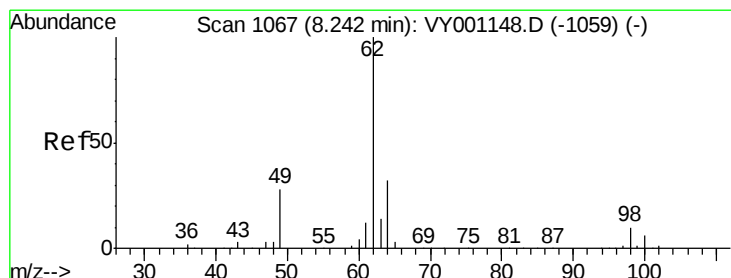
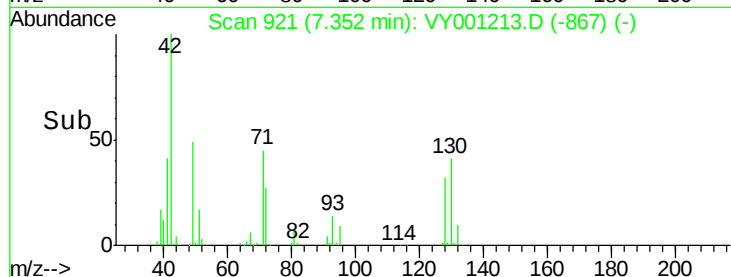
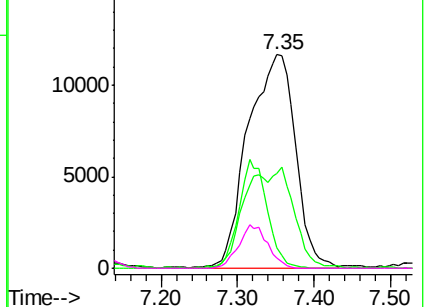


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.129 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001213.D

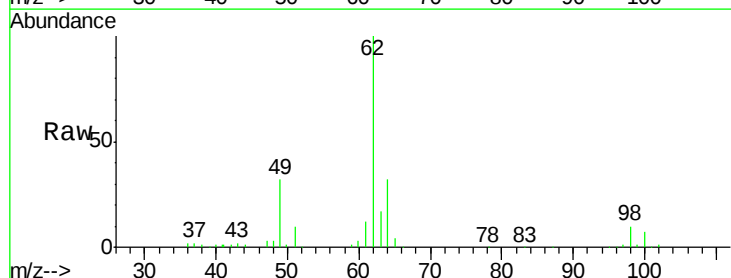
Acq: 15 Jan 2020 13:26

Tgt Ion: 62 Resp: 50496

Ion Ratio Lower Upper

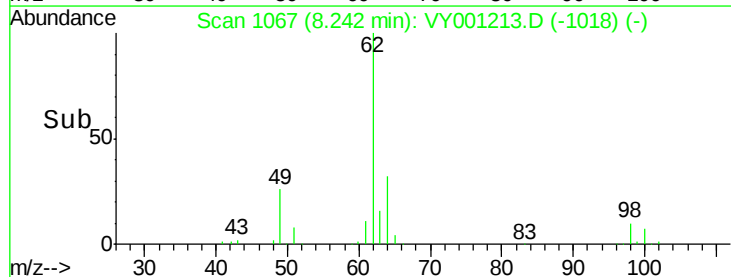
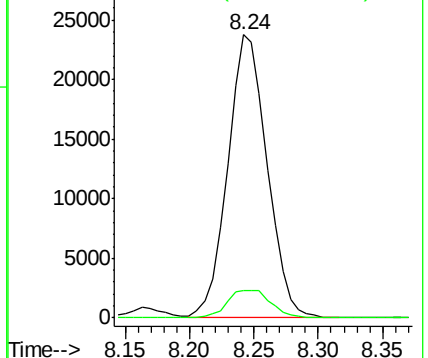
62 100

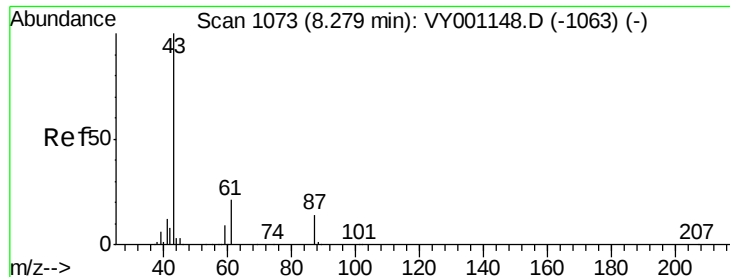
98 10.8 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 21.879 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

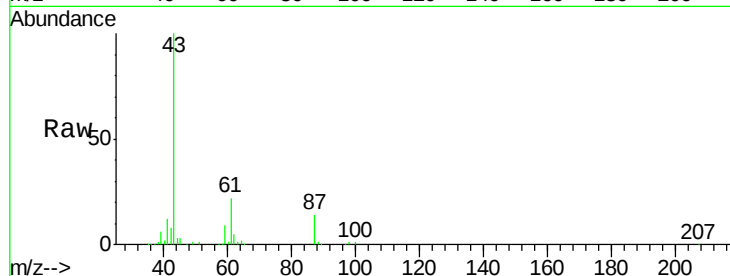
Tgt Ion: 43 Resp: 71790

Ion Ratio Lower Upper

43 100

61 28.8 23.9 35.9

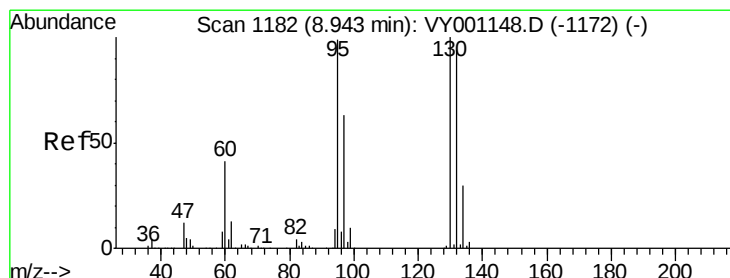
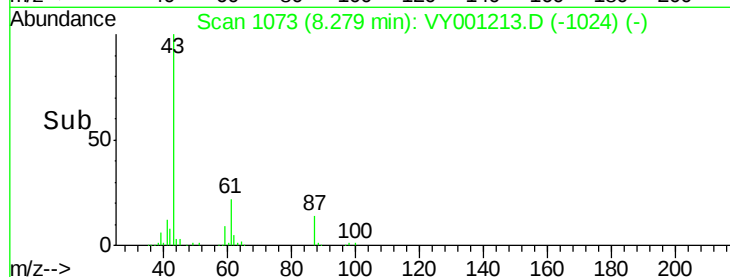
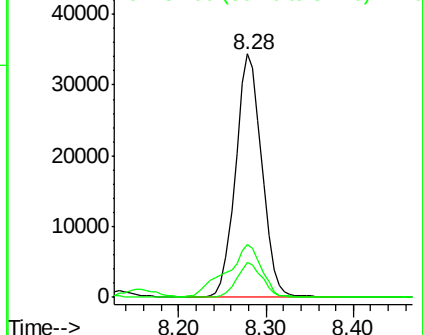
87 13.8 11.4 17.2



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: 21.579 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001213.D

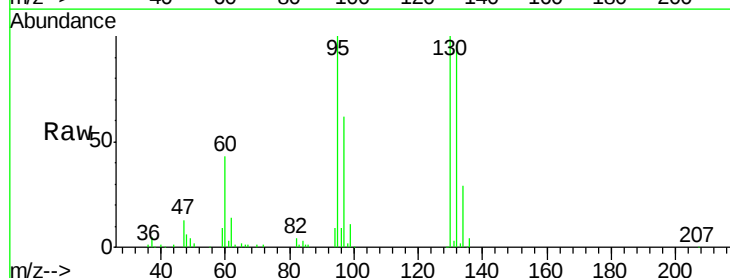
Acq: 15 Jan 2020 13:26

Tgt Ion: 130 Resp: 47992

Ion Ratio Lower Upper

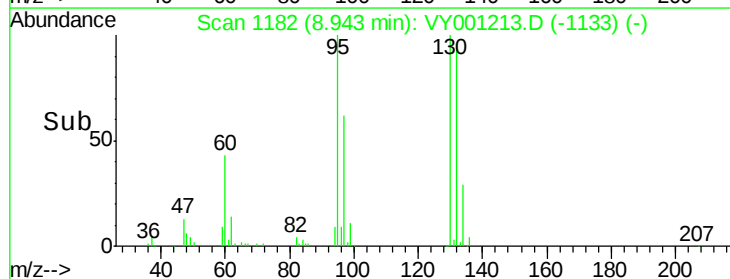
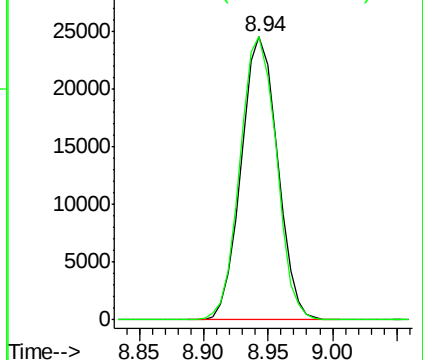
130 100

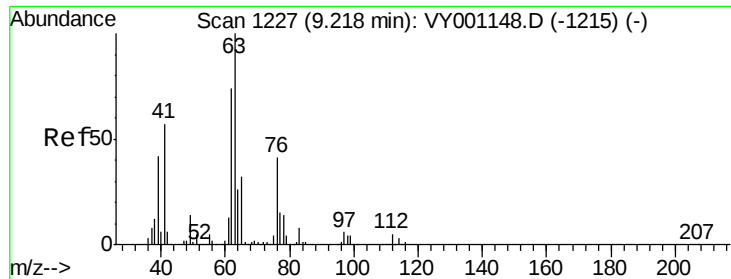
95 100.0 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 21.616 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

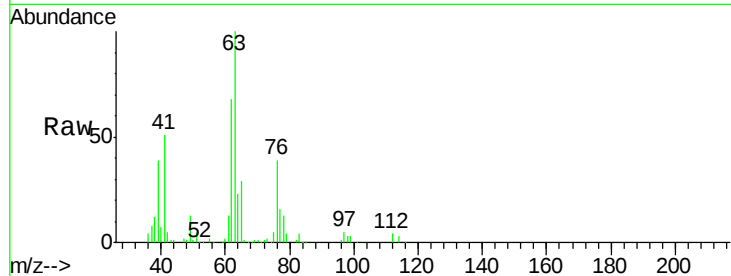
VY0115SBS01

Tgt Ion: 63 Resp: 45609

Ion Ratio Lower Upper

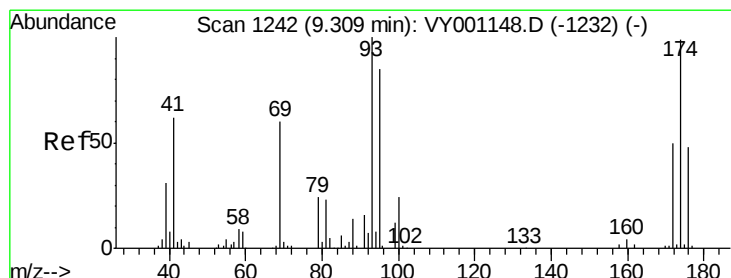
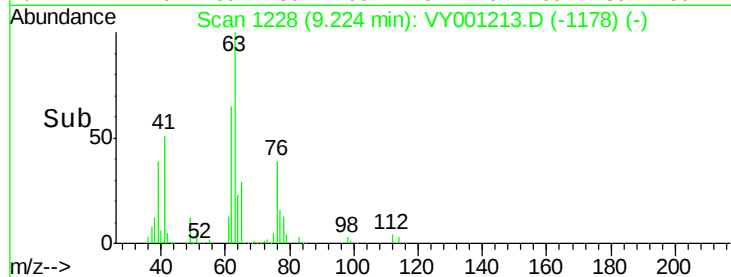
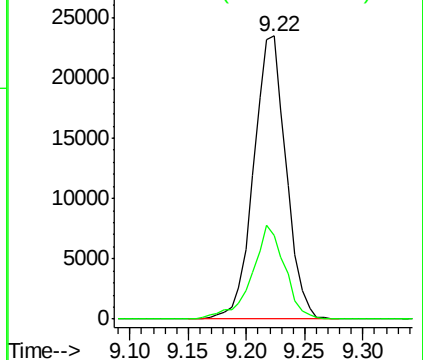
63 100

65 29.4 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.698 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

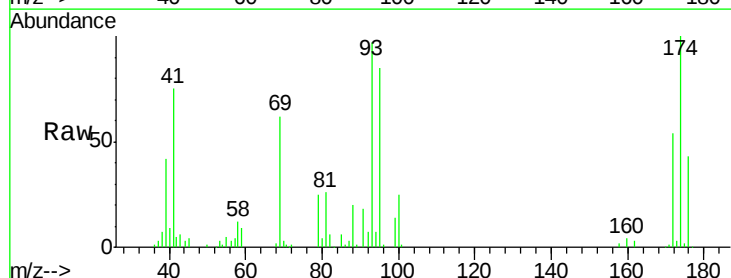
Tgt Ion: 93 Resp: 24980

Ion Ratio Lower Upper

93 100

95 82.5 66.8 100.2

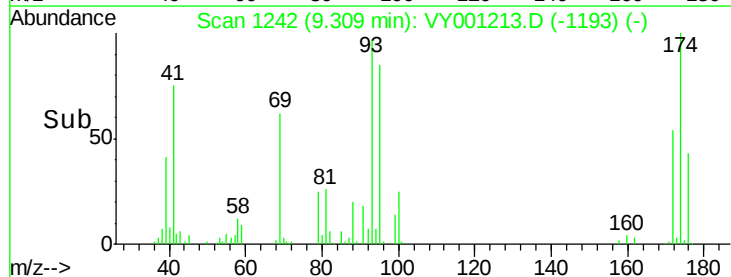
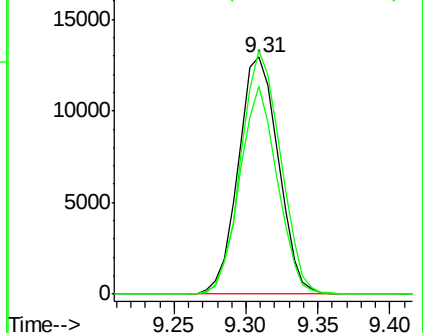
174 101.3 78.4 117.6



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.219 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

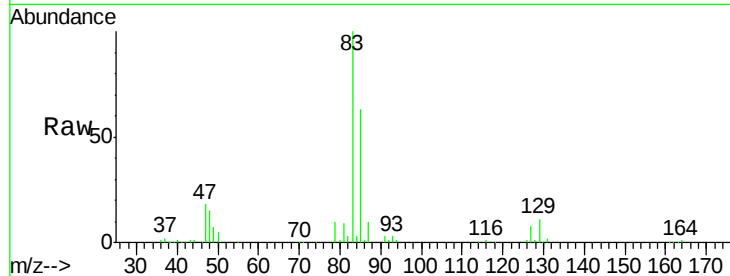
Tgt Ion: 83 Resp: 59535

Ion Ratio Lower Upper

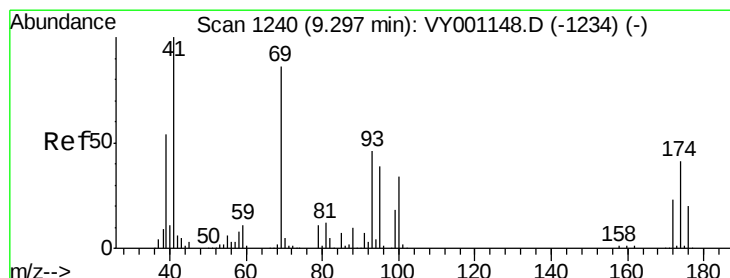
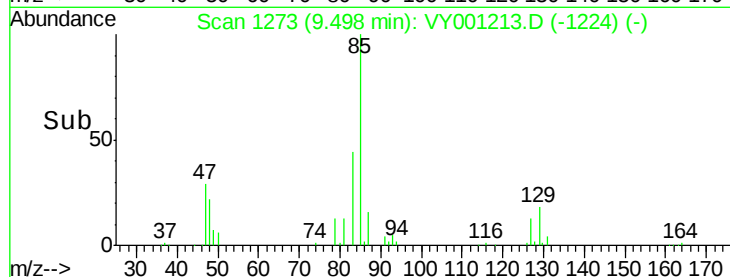
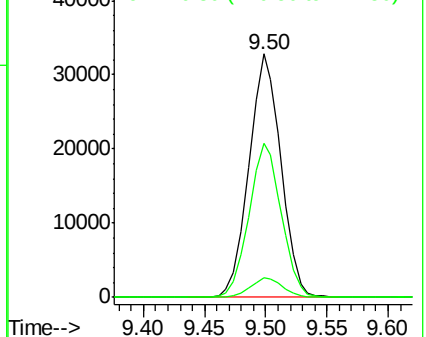
83 100

85 63.0 51.5 77.3

127 7.9 6.3 9.5



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



#48

Methyl methacrylate

Concen: 21.966 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

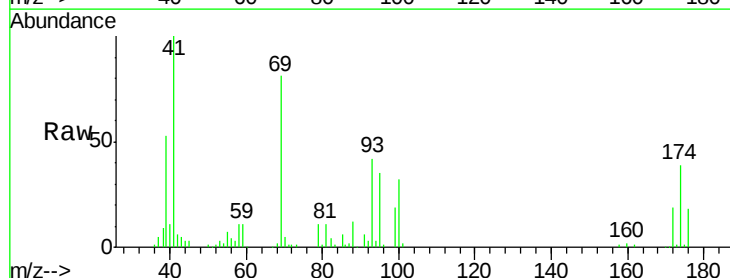
Tgt Ion: 41 Resp: 33354

Ion Ratio Lower Upper

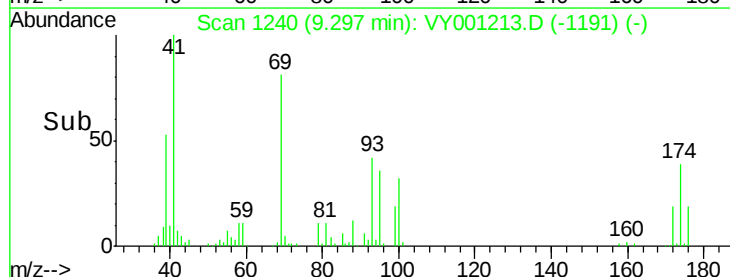
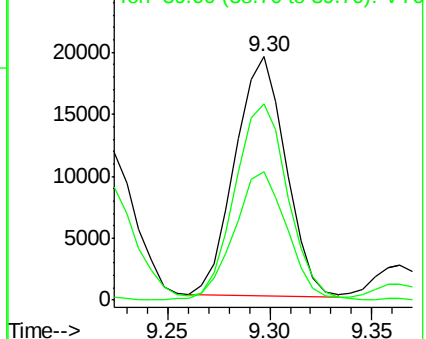
41 100

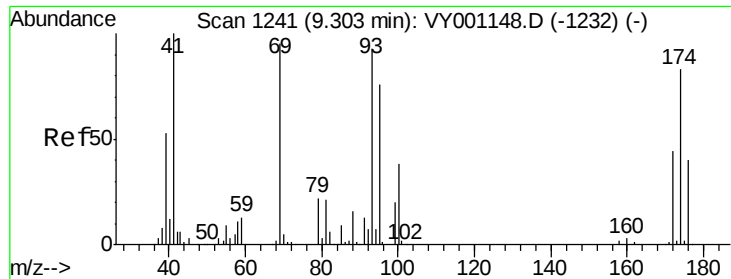
69 85.9 69.8 104.8

39 55.6 45.2 67.8



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

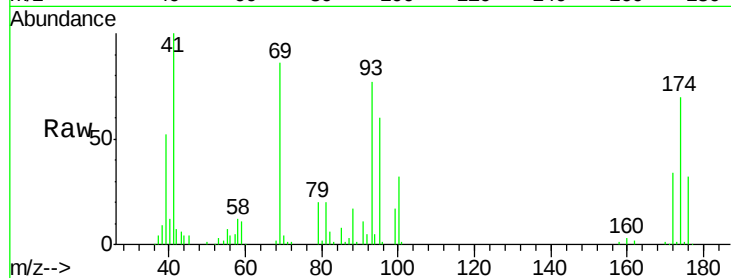




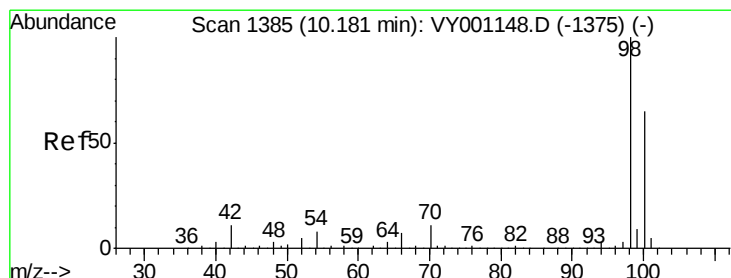
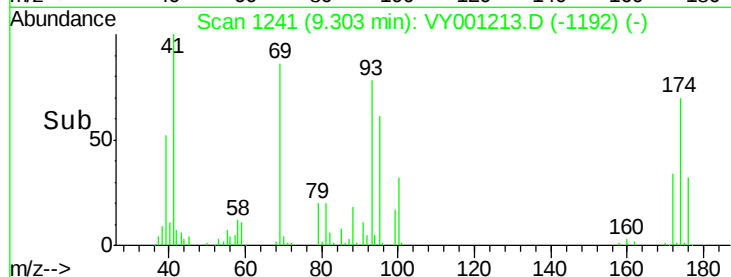
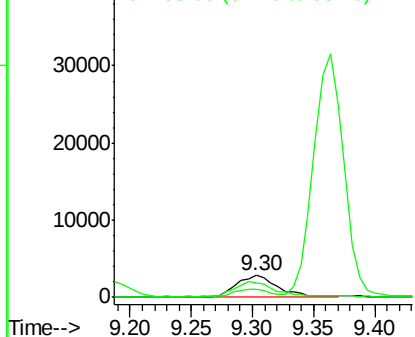
#49
 1,4-Dioxane
 Concen: 487.936 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tgt Ion: 88 Resp: 6841
 Ion Ratio Lower Upper
 88 100
 43 34.2 22.4 33.6#
 58 73.0 58.0 87.0

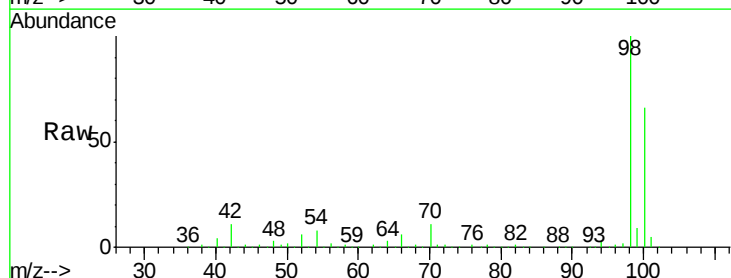


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

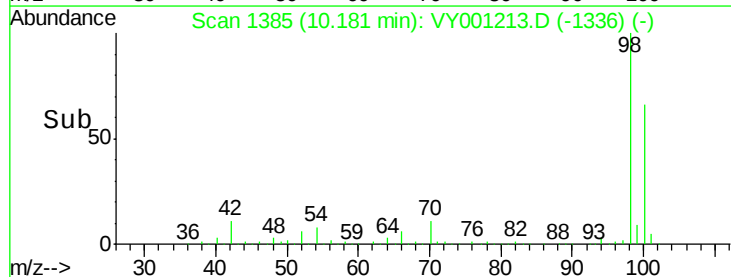
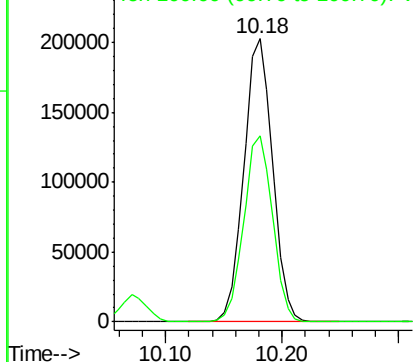


#50
 Toluene-d8
 Concen: 48.274 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 98 Resp: 349371
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 111.635 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

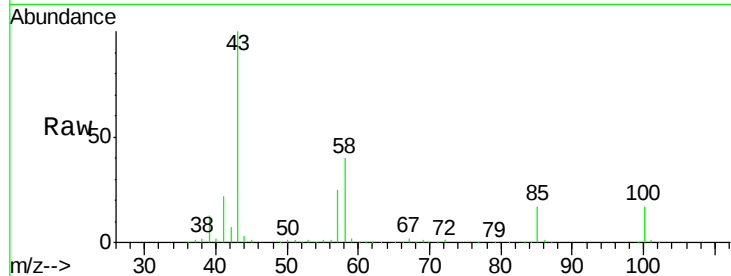
VY0115SBS01

Tgt Ion: 43 Resp: 185865

Ion Ratio Lower Upper

43 100

58 40.8 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

120000

100000

80000

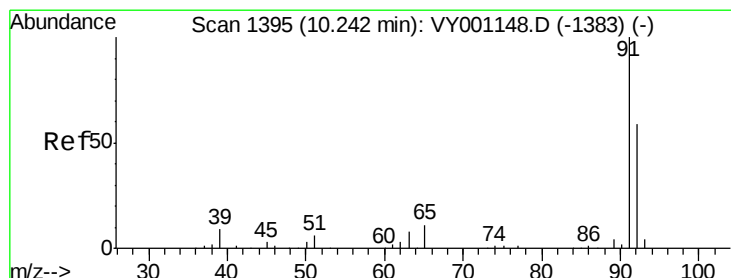
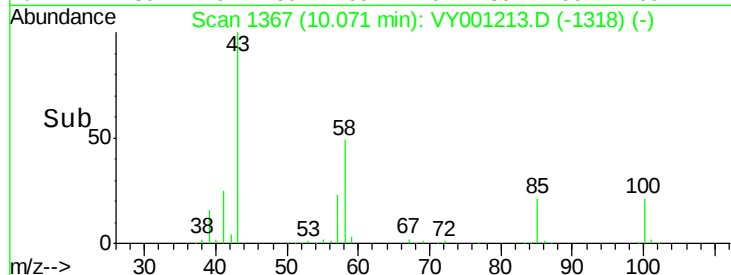
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.321 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001213.D

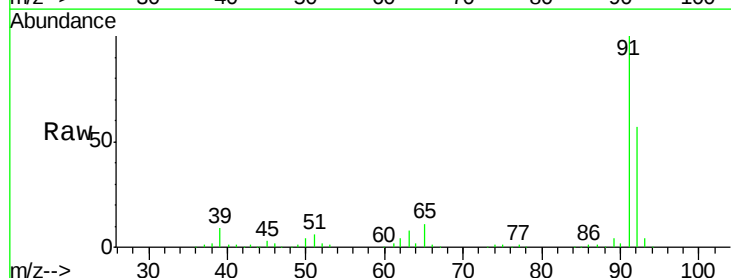
Acq: 15 Jan 2020 13:26

Tgt Ion: 92 Resp: 116066

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

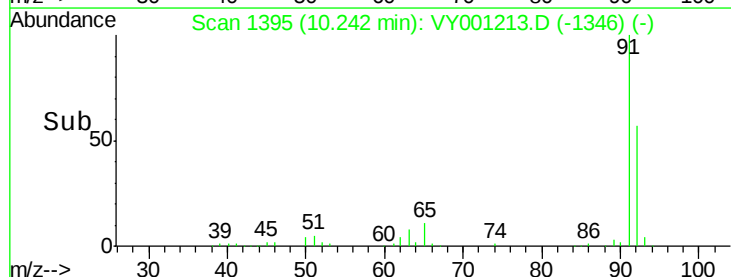
10.24

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.085 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

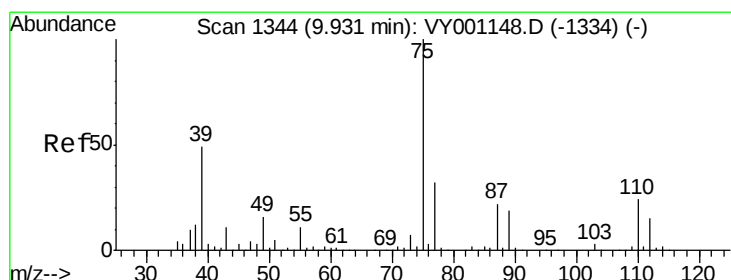
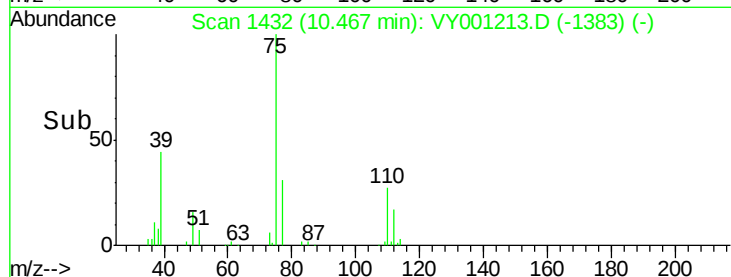
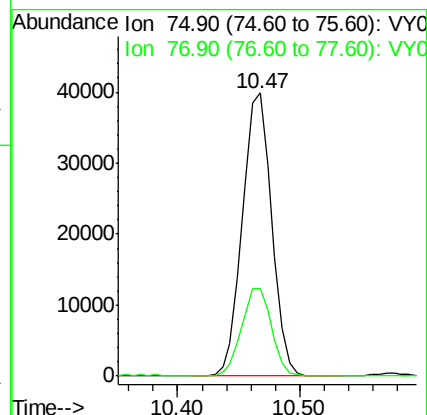
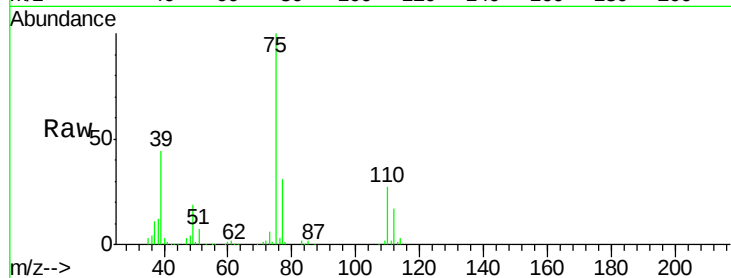
VY0115SBS01

Tgt Ion: 75 Resp: 66199

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 21.557 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

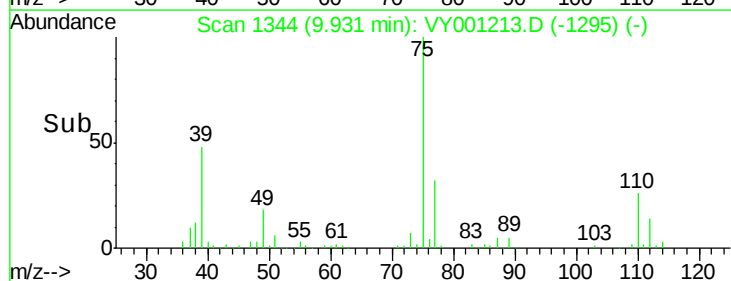
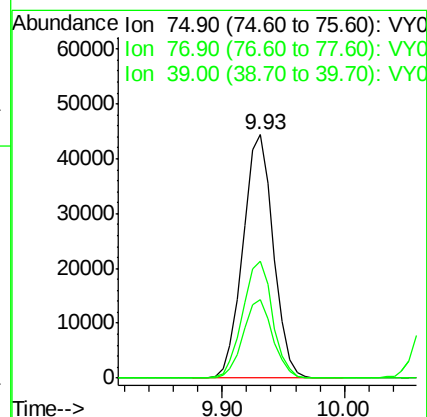
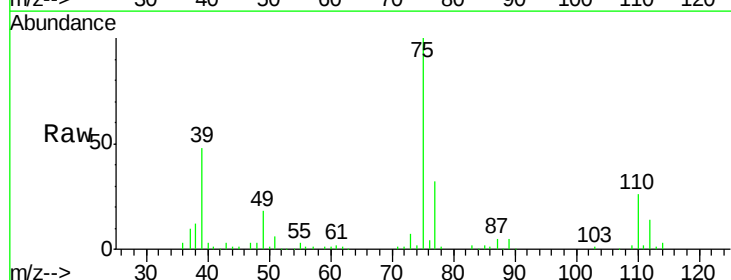
Tgt Ion: 75 Resp: 76307

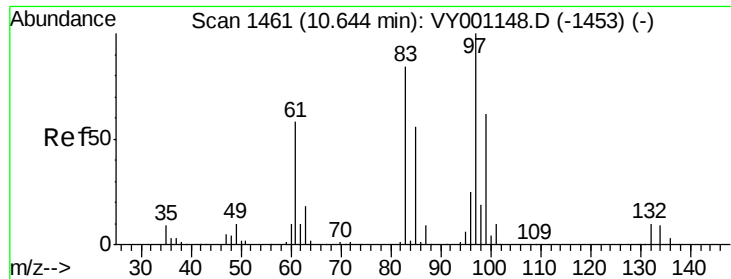
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 47.9 39.1 58.7

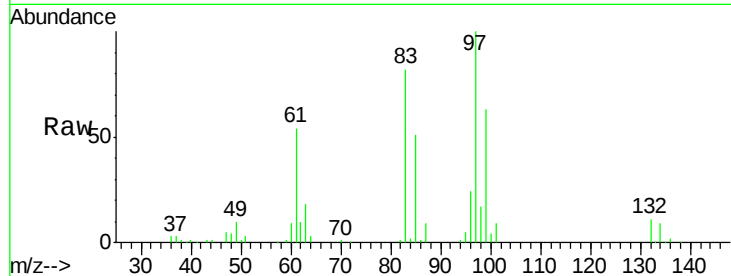




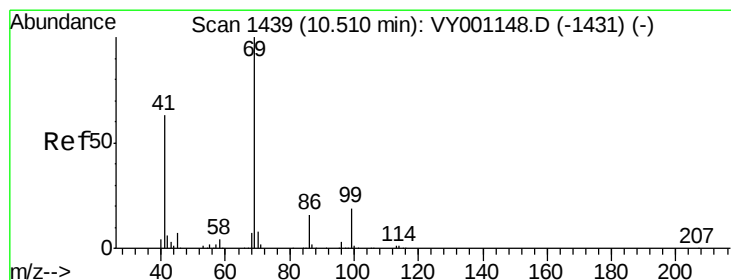
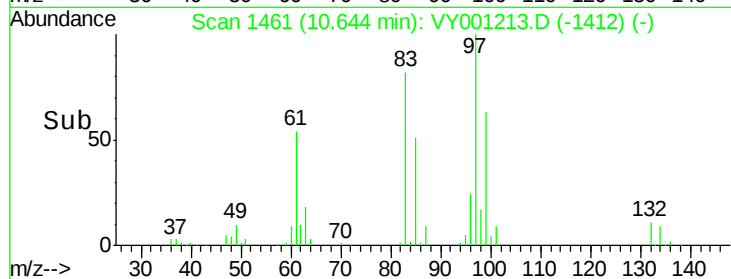
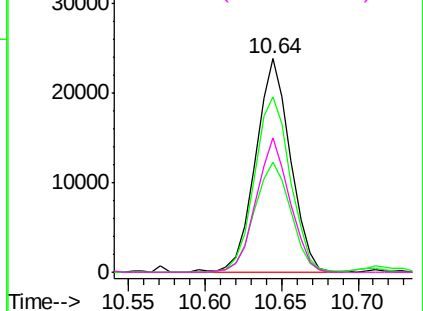
#55
 1,1,2-Trichloroethane
 Concen: 22.134 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tgt Ion: 97 Resp: 37777
 Ion Ratio Lower Upper
 97 100
 83 81.9 67.2 100.8
 85 51.3 44.9 67.3
 99 62.7 49.9 74.9

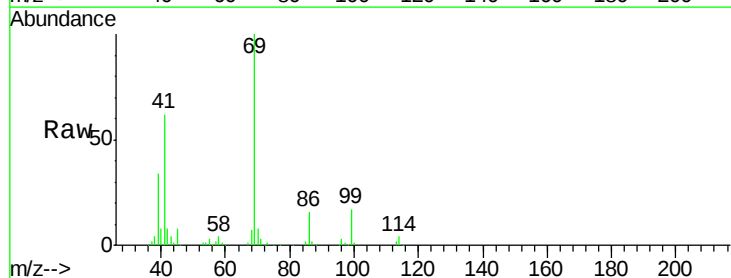


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

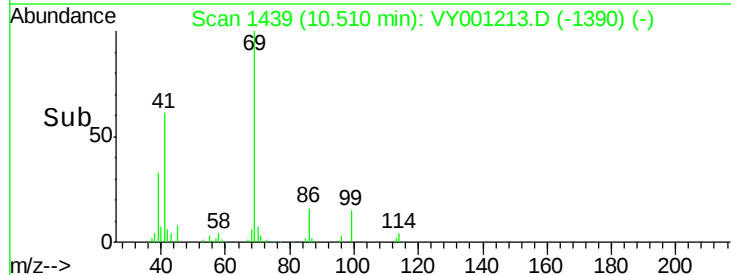
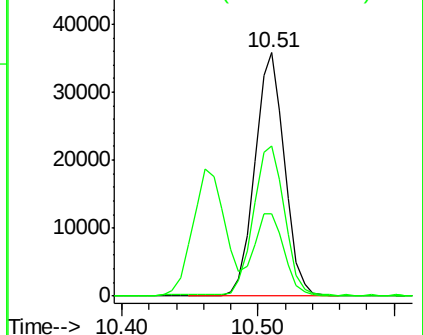


#56
 Ethyl methacrylate
 Concen: 20.982 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 69 Resp: 54780
 Ion Ratio Lower Upper
 69 100
 41 64.2 51.4 77.2
 39 34.6 26.3 39.5



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

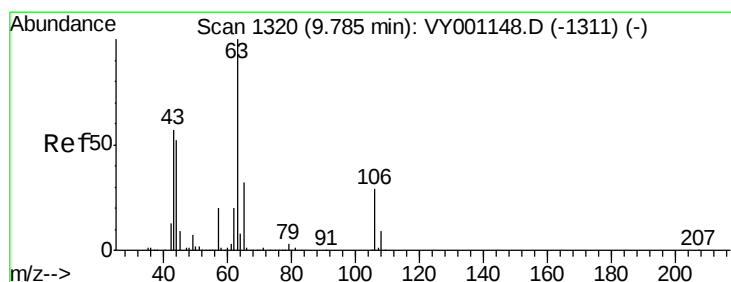
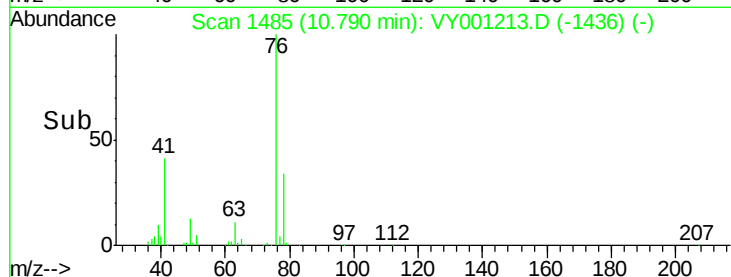
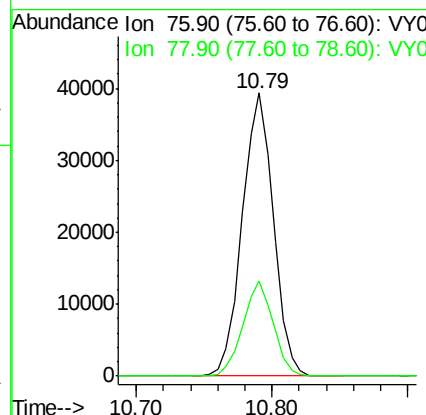
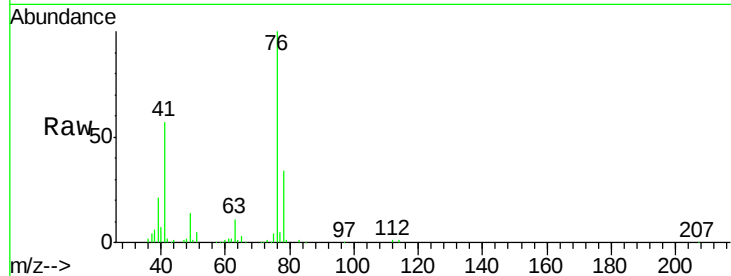




#57
 1,3-Dichloropropane
 Concen: 21.531 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

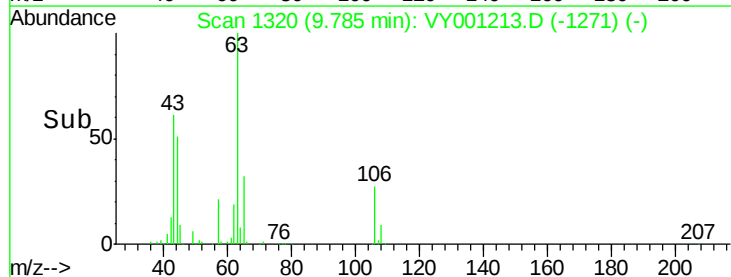
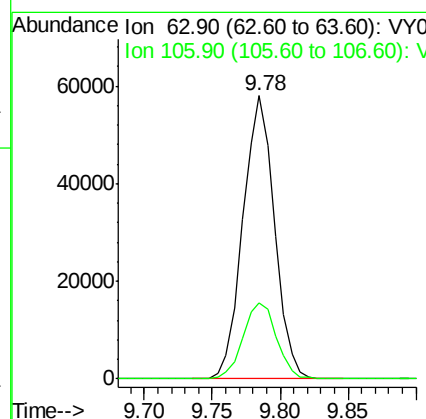
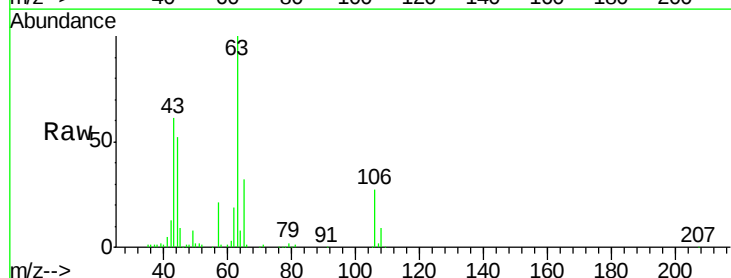
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tgt Ion: 76 Resp: 63086
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.504 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 63 Resp: 94122
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6

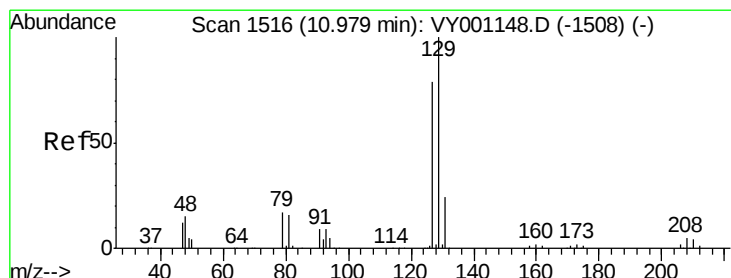
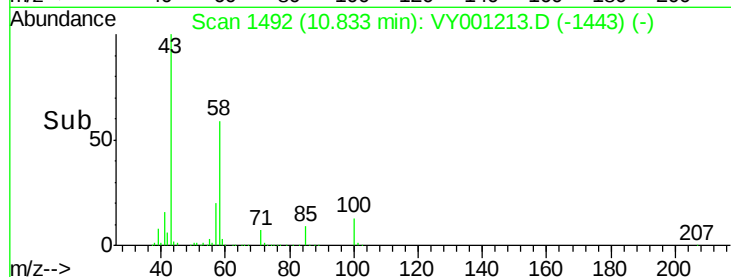
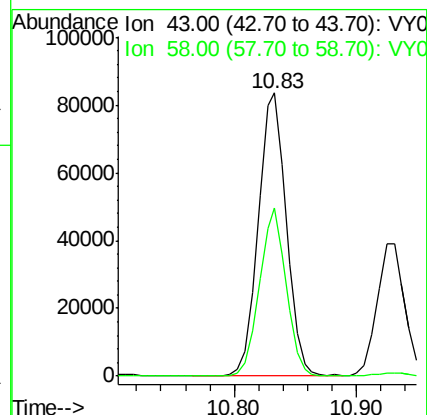
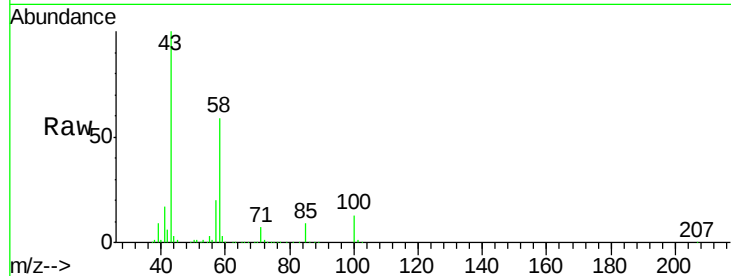




#59
2-Hexanone
Concen: 114.833 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

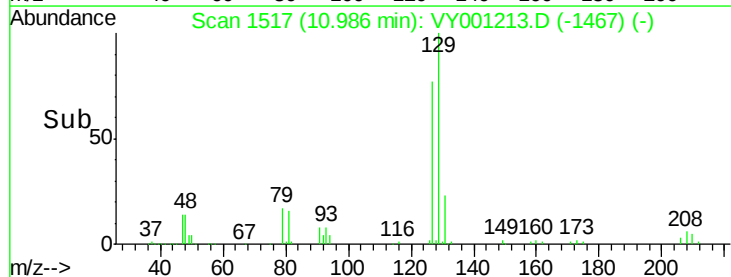
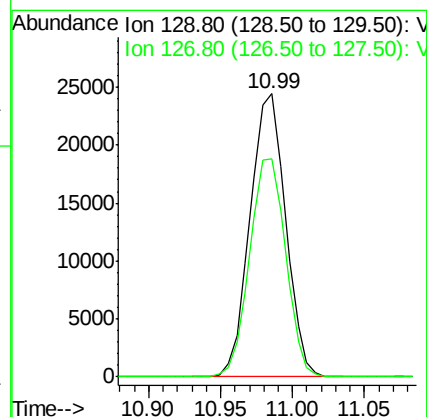
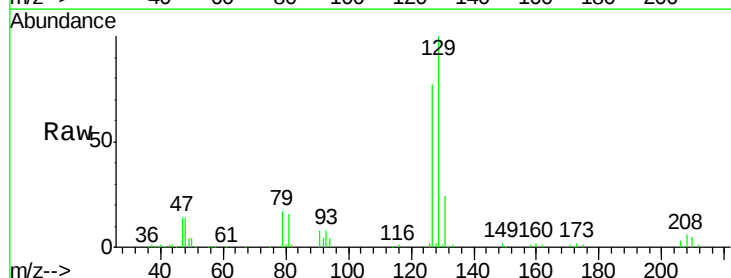
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tgt Ion: 43 Resp: 133991
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.2



#60
Dibromochloromethane
Concen: 21.196 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 129 Resp: 41652
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7

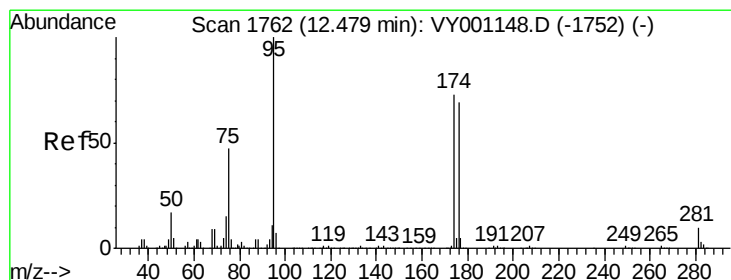
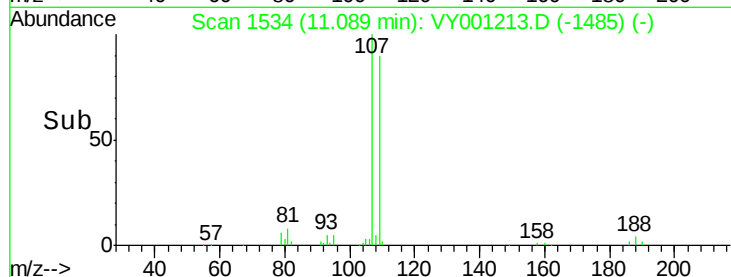
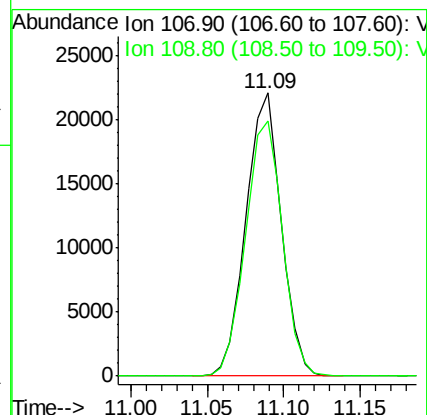
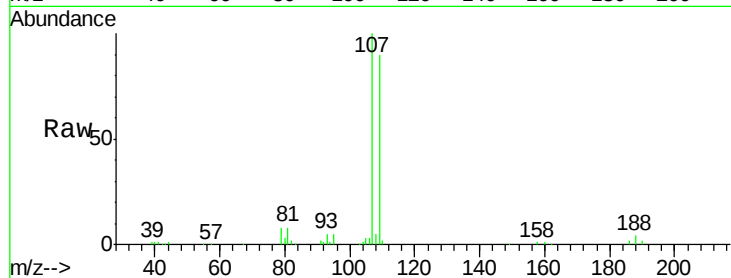




#61
 1,2-Dibromoethane
 Concen: 21.299 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

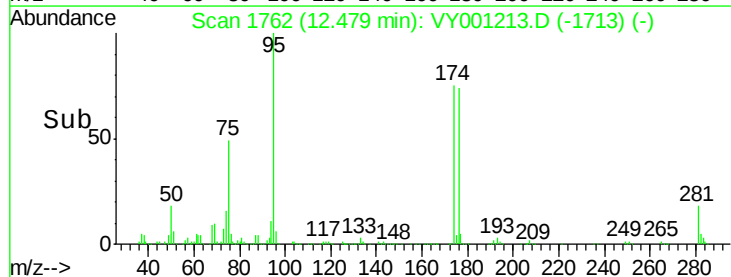
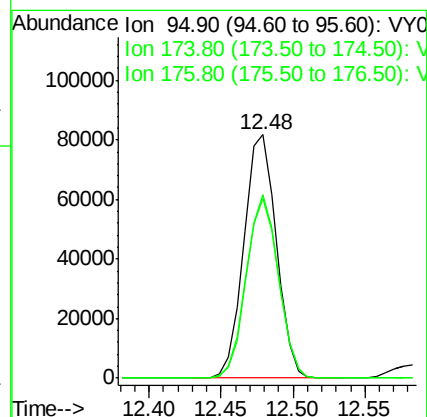
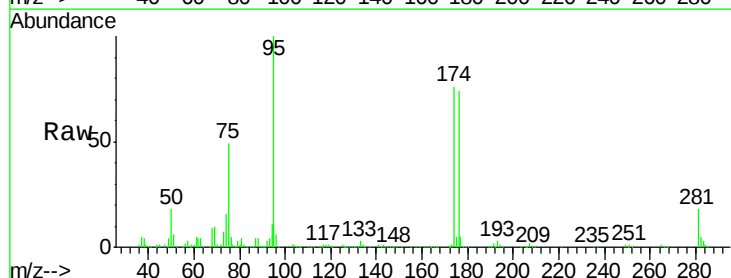
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

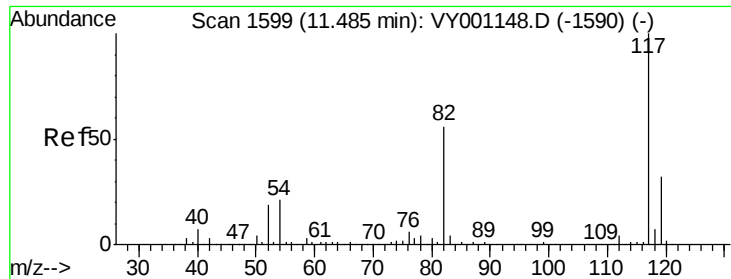
Tgt Ion: 107 Resp: 35496
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 43.184 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion: 95 Resp: 127774
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 143.2
 176 73.0 0.0 136.0

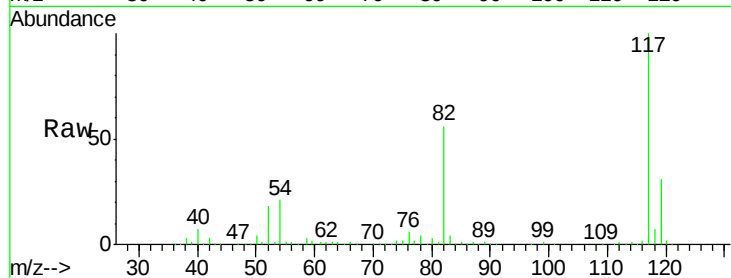




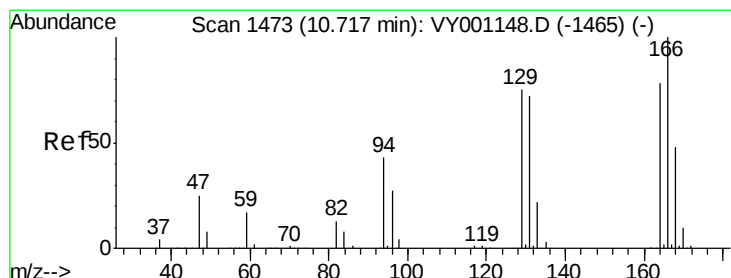
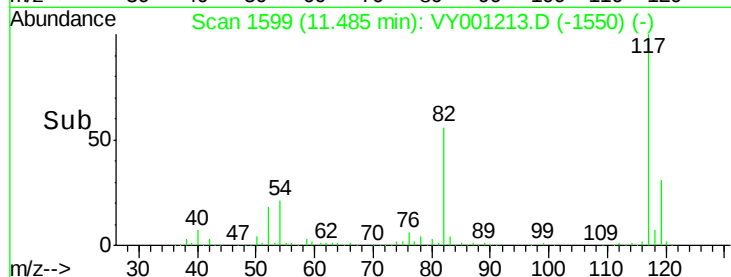
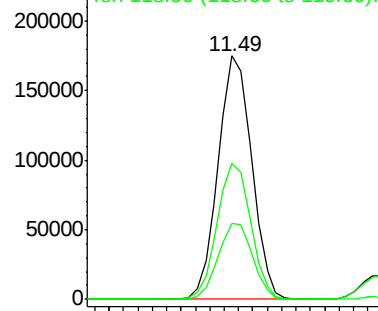
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tgt Ion:117 Resp: 281958
Ion Ratio Lower Upper
117 100
82 55.8 44.9 67.3
119 31.3 25.7 38.5

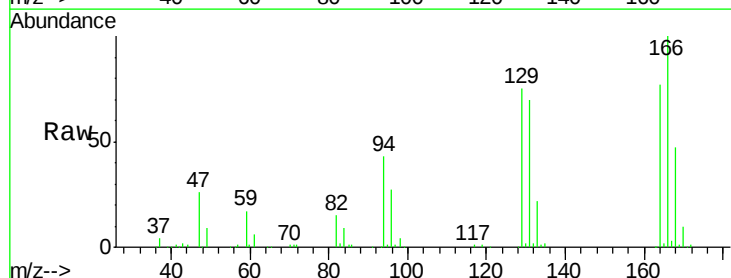


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

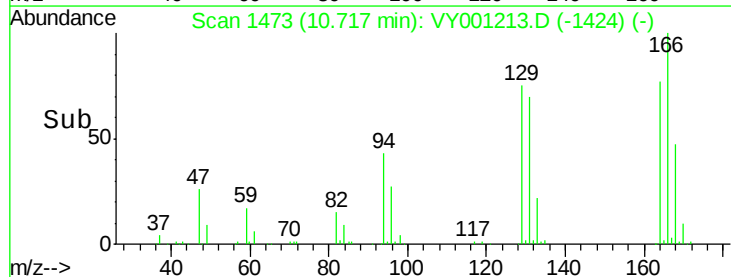
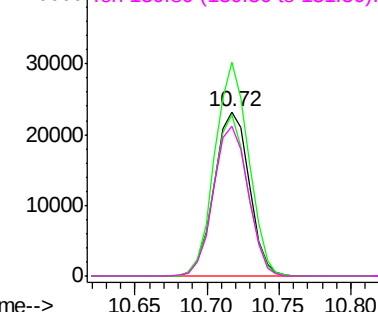


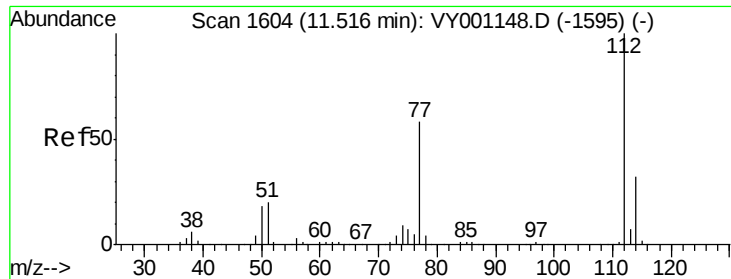
#64
Tetrachloroethene
Concen: 21.461 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion:164 Resp: 39007
Ion Ratio Lower Upper
164 100
166 130.1 102.3 153.5
129 98.1 76.2 114.4
131 91.5 73.9 110.9



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

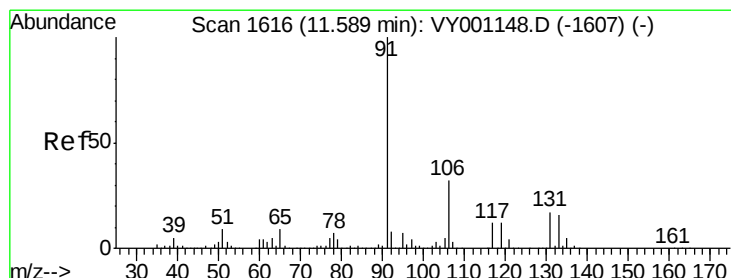
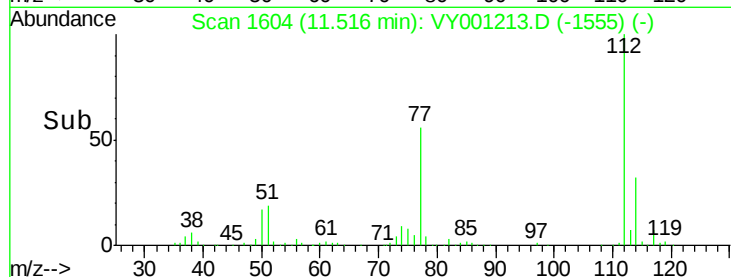
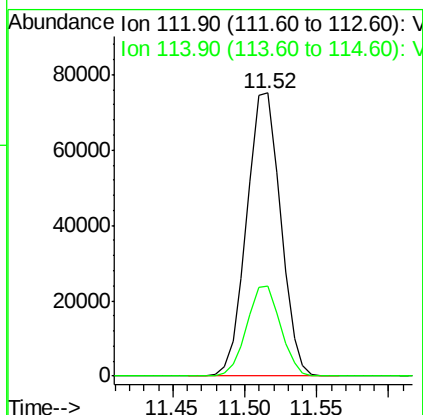
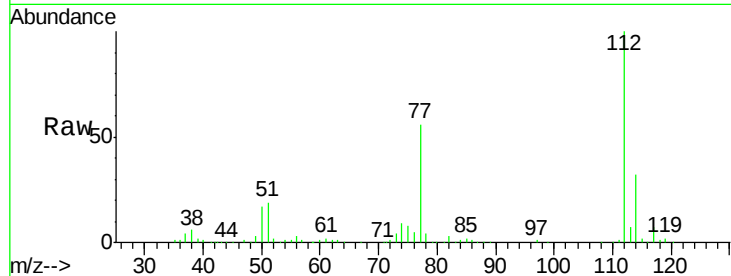




#65
Chlorobenzene
Concen: 21.794 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

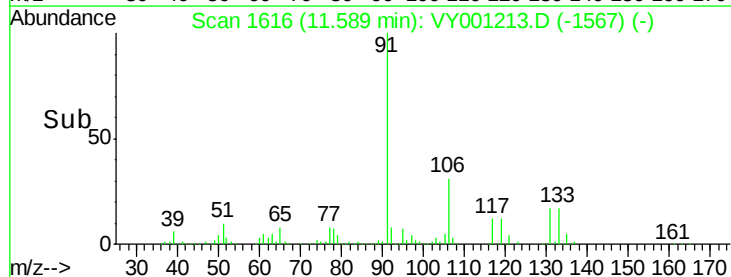
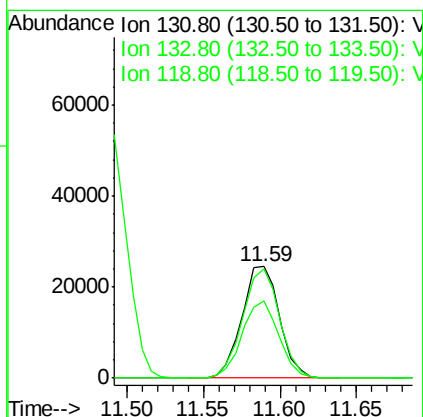
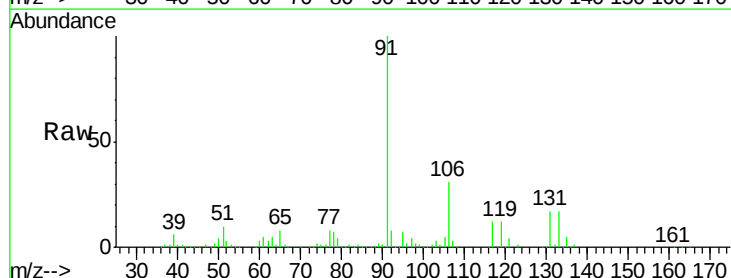
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

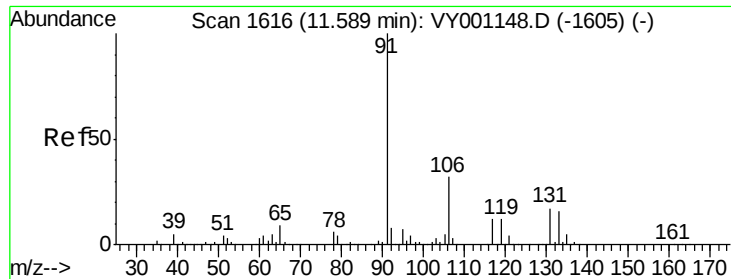
Tgt Ion:112 Resp: 122785
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.605 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion:131 Resp: 41953
Ion Ratio Lower Upper
131 100
133 95.8 47.3 142.0
119 67.7 33.6 100.8

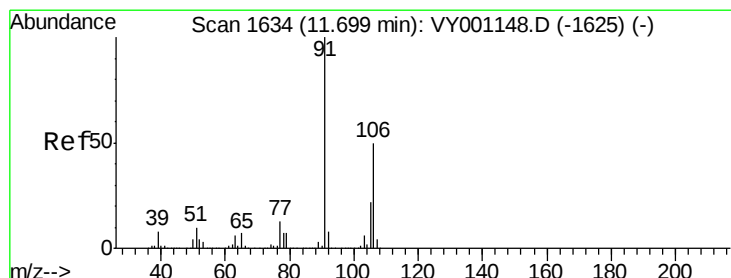
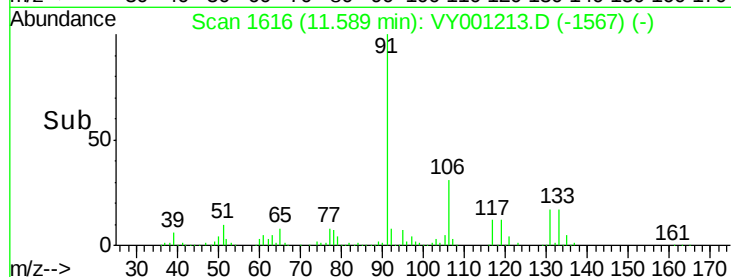
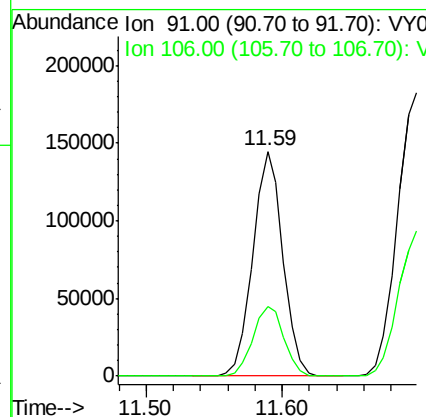
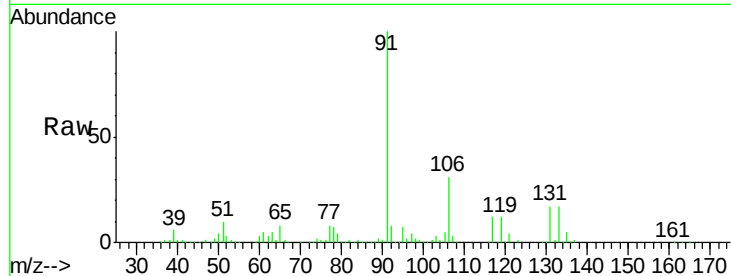




#67
Ethyl Benzene
Concen: 21.648 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

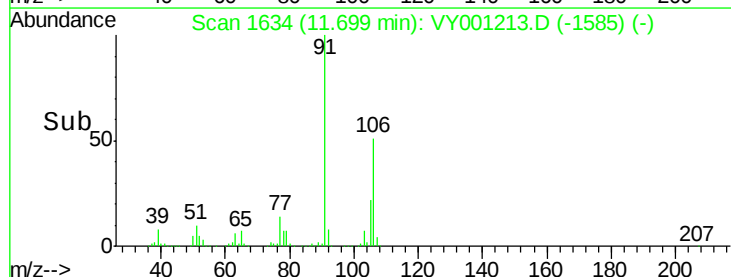
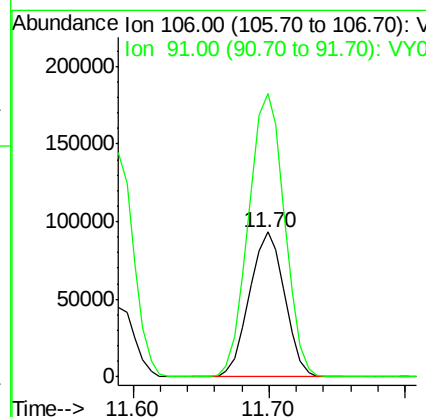
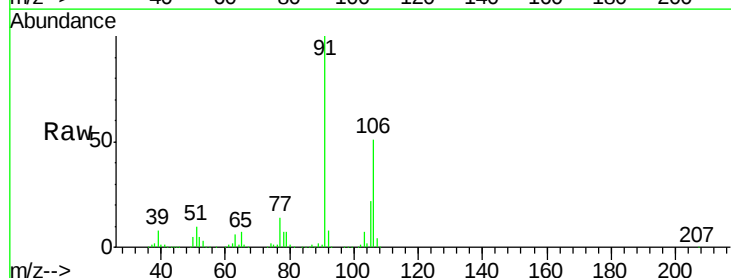
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

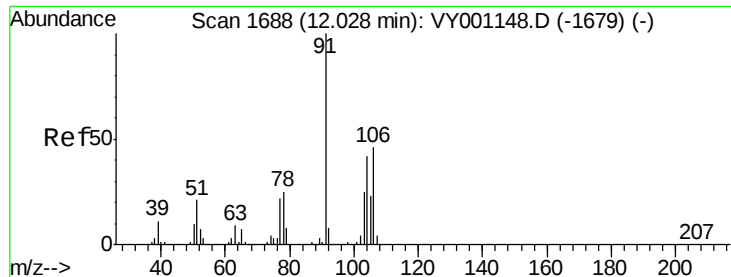
Tgt Ion: 91 Resp: 223116
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9



#68
m/p-Xylenes
Concen: 43.602 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 106 Resp: 169518
Ion Ratio Lower Upper
106 100
91 199.4 161.4 242.2

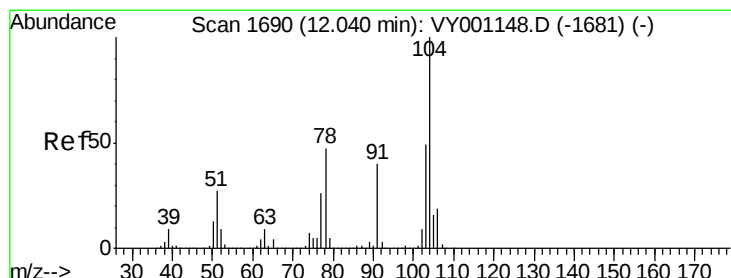
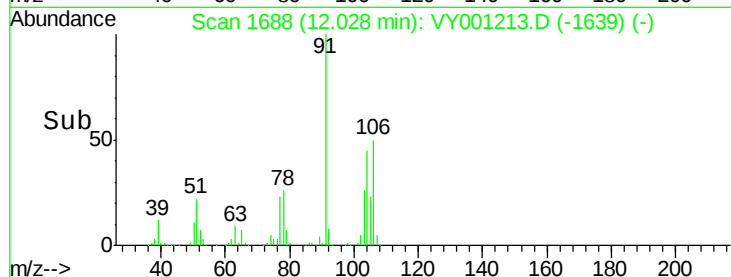
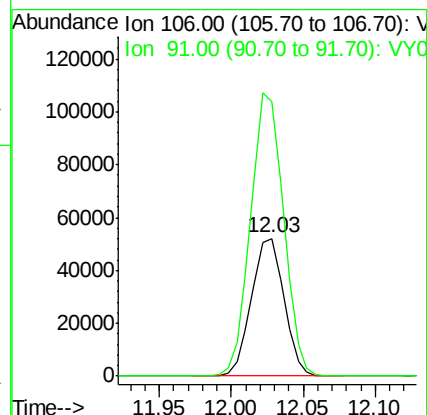
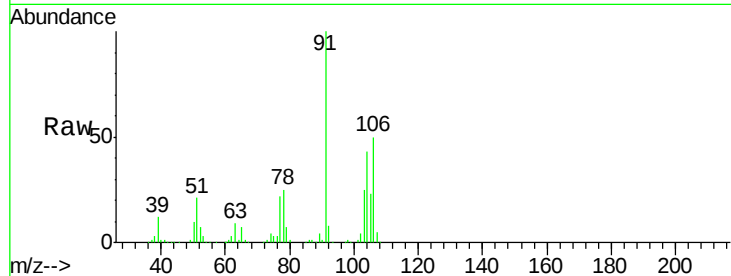




#69
o-Xylene
Concen: 21.963 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

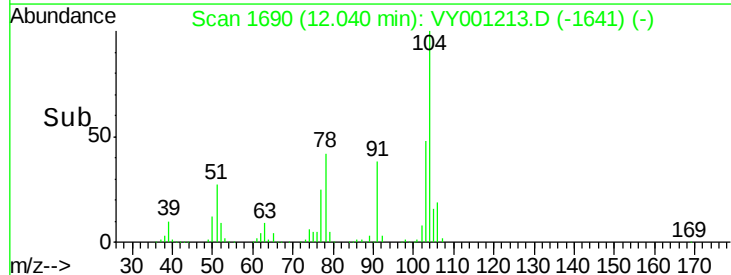
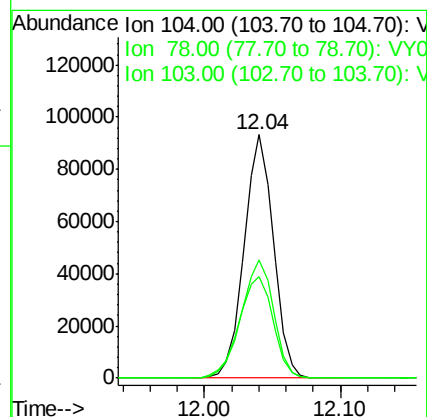
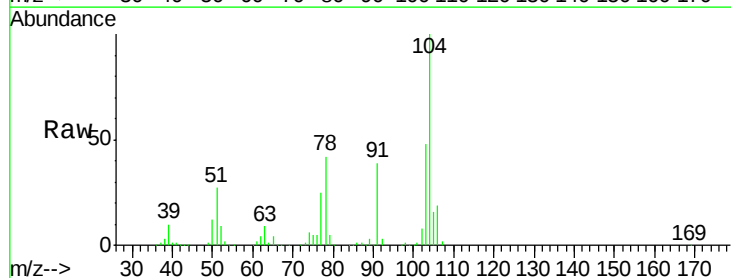
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

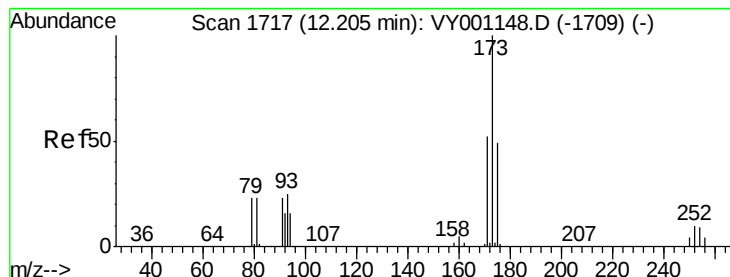
Tgt Ion:106 Resp: 81870
Ion Ratio Lower Upper
106 100
91 207.2 106.3 318.8



#70
Styrene
Concen: 21.532 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion:104 Resp: 140826
Ion Ratio Lower Upper
104 100
78 48.2 40.5 60.7
103 53.3 42.4 63.6





#71

Bromoform

Concen: 21.232 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

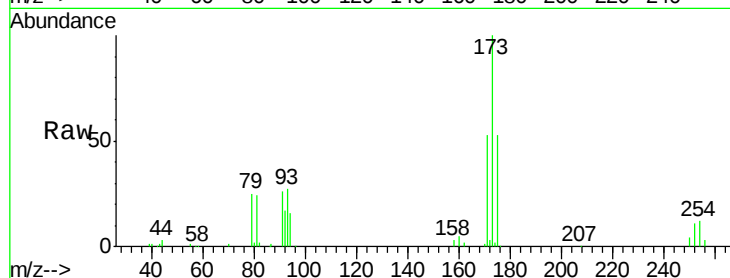
Tgt Ion:173 Resp: 25425

Ion Ratio Lower Upper

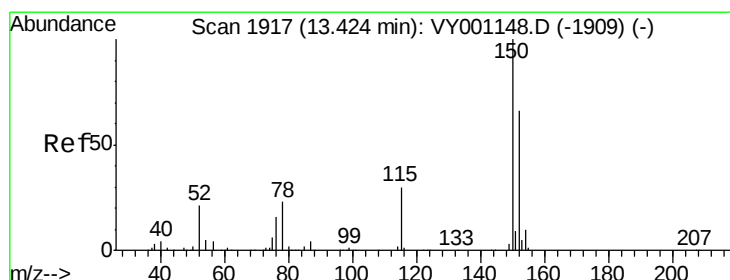
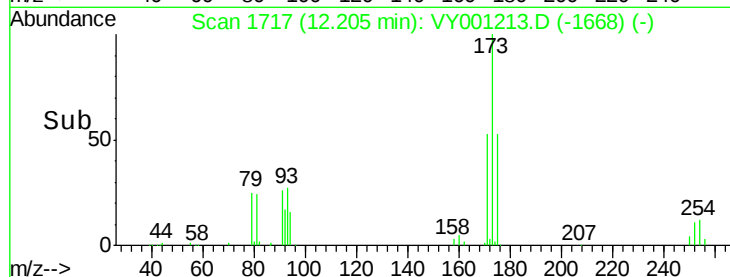
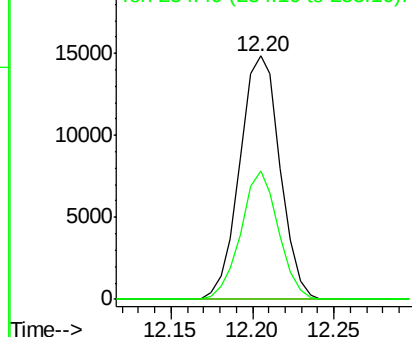
173 100

175 49.3 24.1 72.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

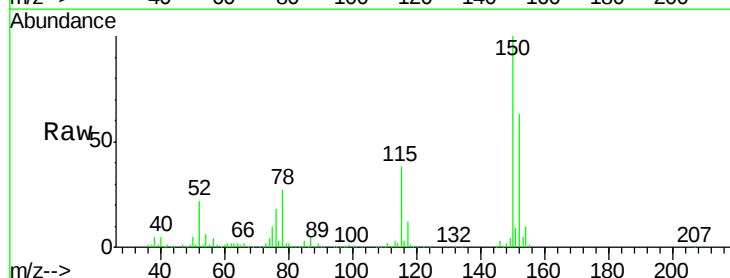
Tgt Ion:152 Resp: 136180

Ion Ratio Lower Upper

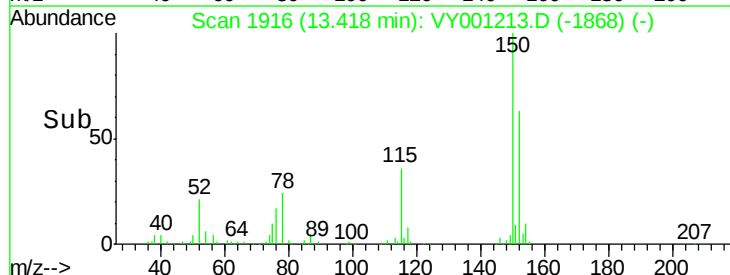
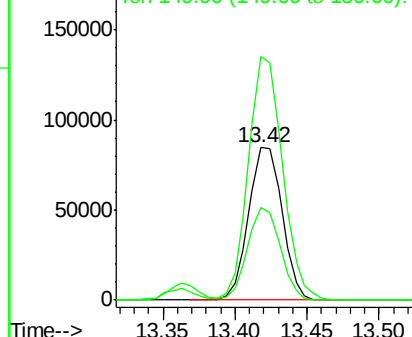
152 100

115 59.5 30.9 92.5

150 162.6 0.0 346.8



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: 20.882 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

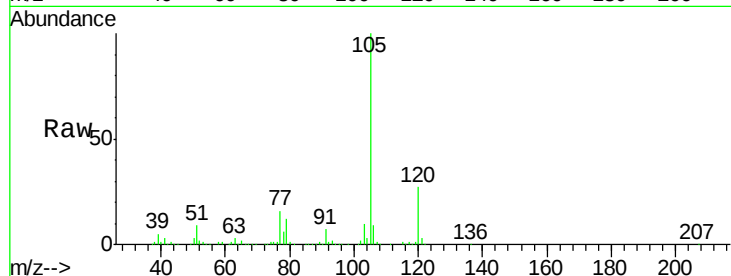
VY0115SBS01

Tgt Ion:105 Resp: 213783

Ion Ratio Lower Upper

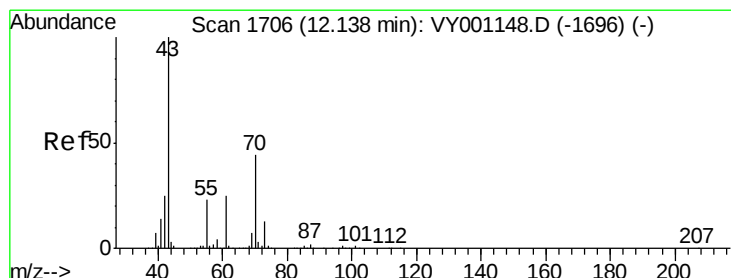
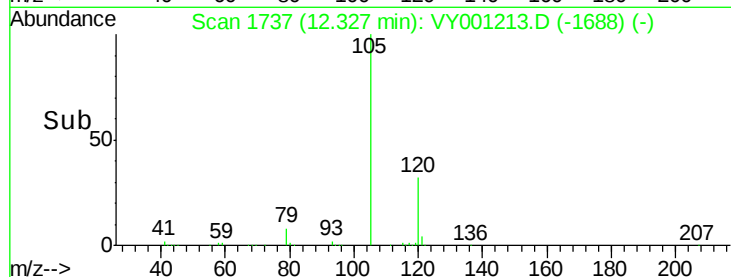
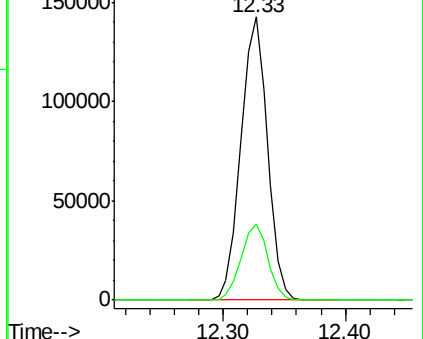
105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.132 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Tgt Ion: 43 Resp: 67516

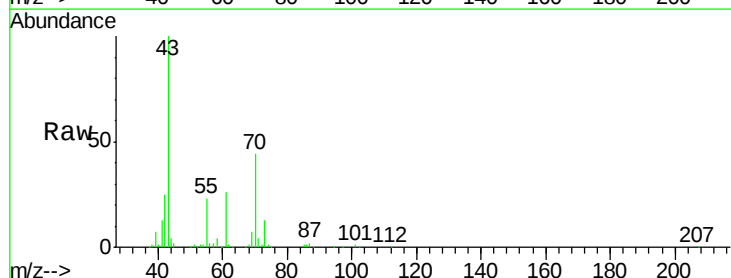
Ion Ratio Lower Upper

43 100

70 43.3 35.0 52.6

55 23.1 18.4 27.6

61 25.3 20.1 30.1

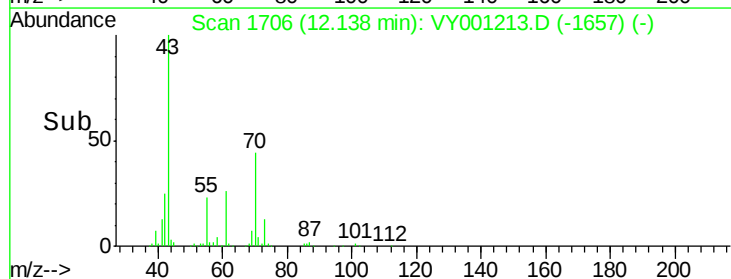
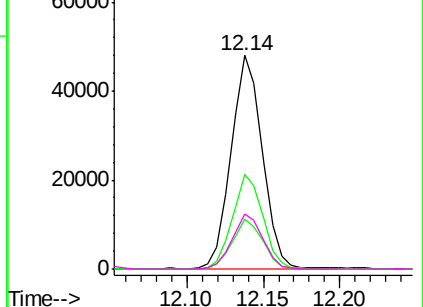


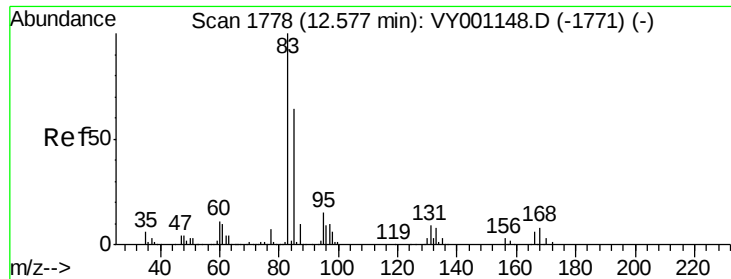
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.279 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

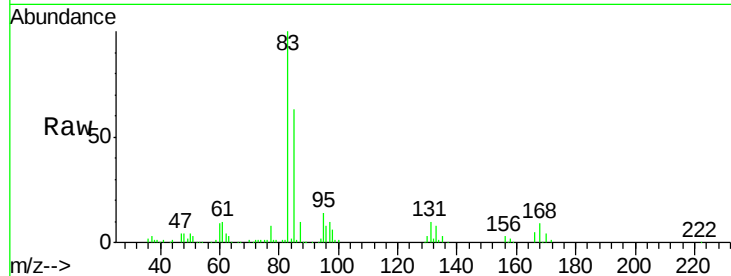
Tgt Ion: 83 Resp: 45834

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

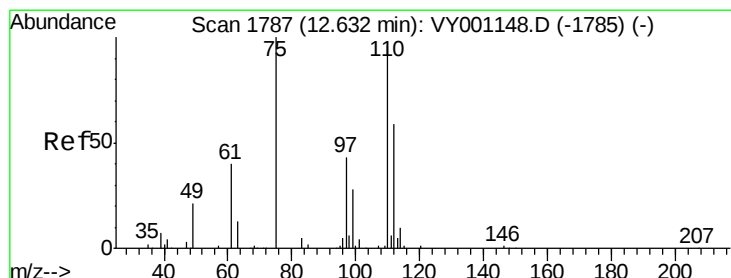
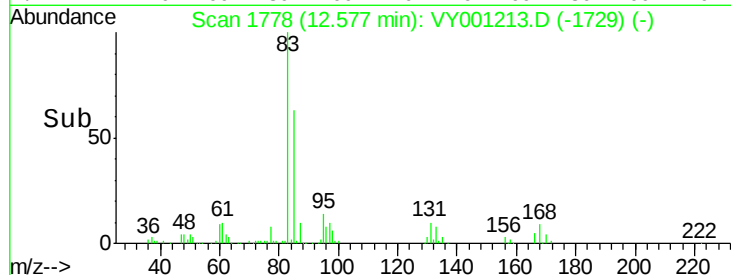
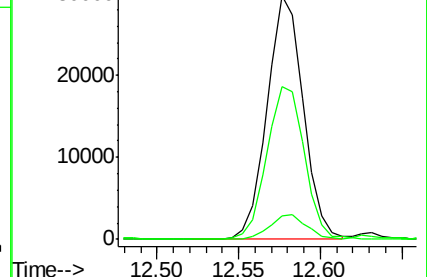
85 65.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 41.474 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001213.D

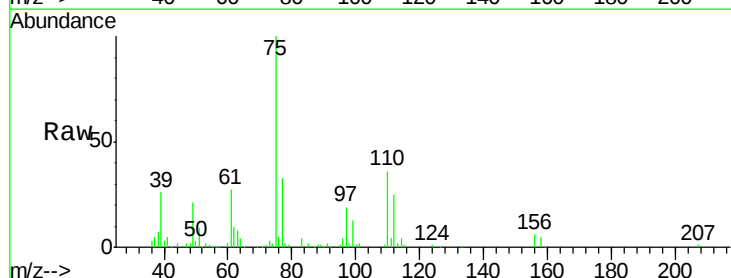
Acq: 15 Jan 2020 13:26

Tgt Ion: 75 Resp: 60462

Ion Ratio Lower Upper

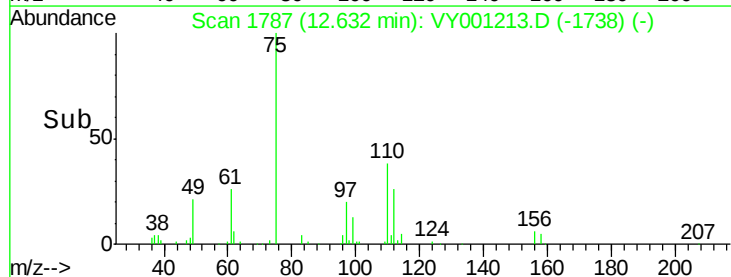
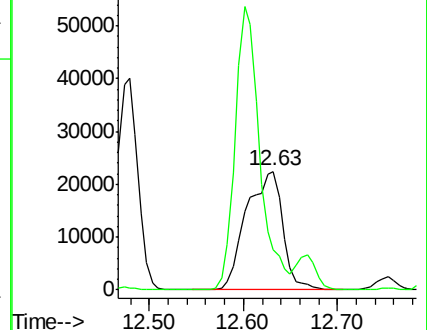
75 100

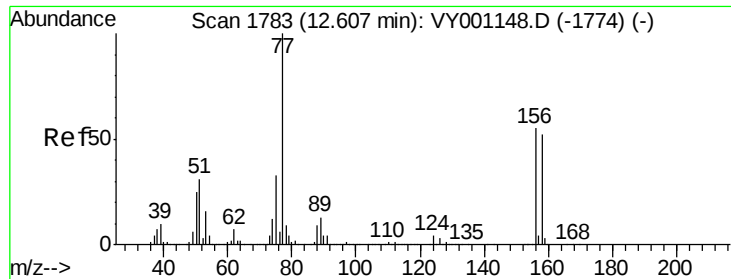
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.455 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

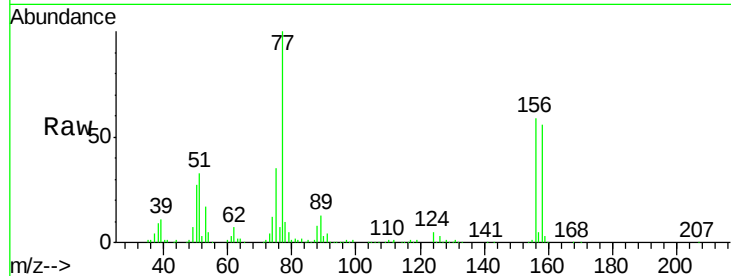
Tgt Ion:156 Resp: 48535

Ion Ratio Lower Upper

156 100

77 201.5 106.7 320.1

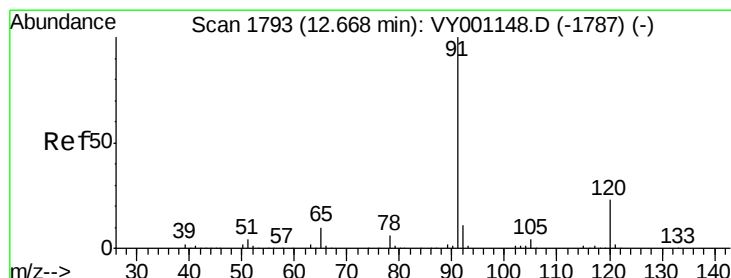
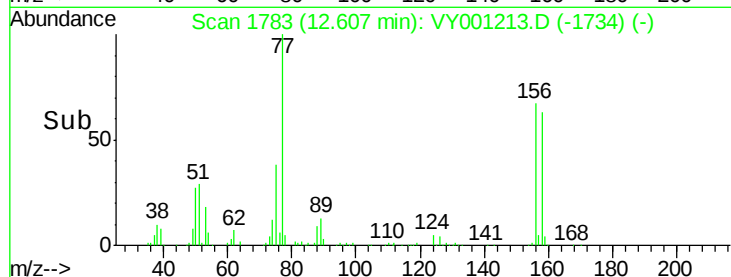
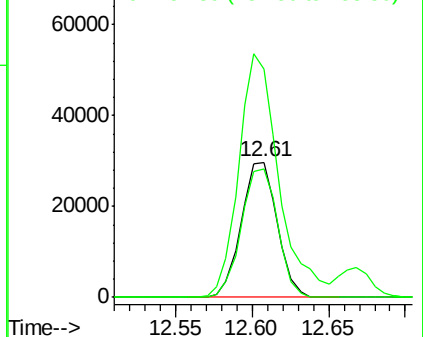
158 96.0 48.3 144.8



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: 20.760 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001213.D

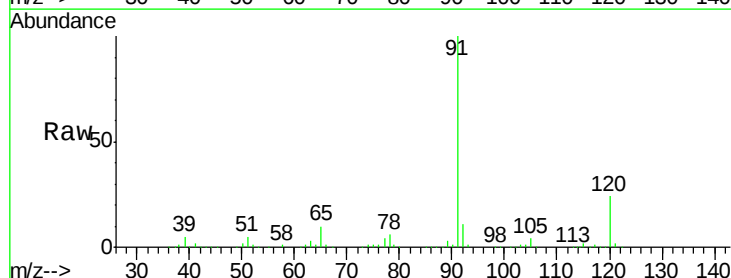
Acq: 15 Jan 2020 13:26

Tgt Ion: 91 Resp: 255644

Ion Ratio Lower Upper

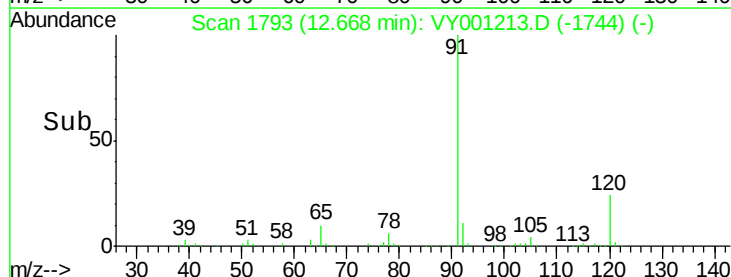
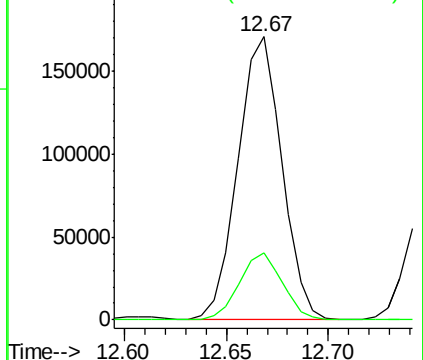
91 100

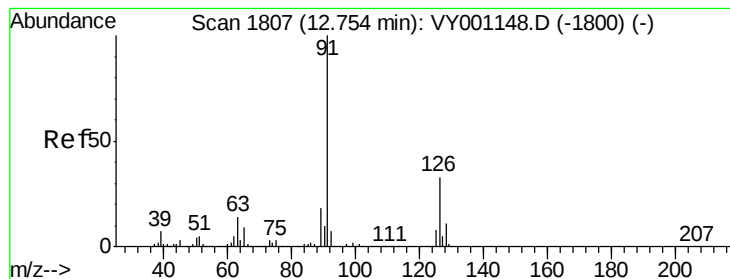
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.418 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

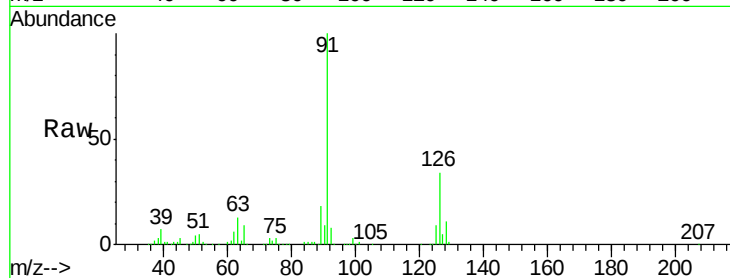
VY0115SBS01

Tgt Ion: 91 Resp: 144397

Ion Ratio Lower Upper

91 100

126 34.0 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001148.D (-1800) (-)

200000

150000

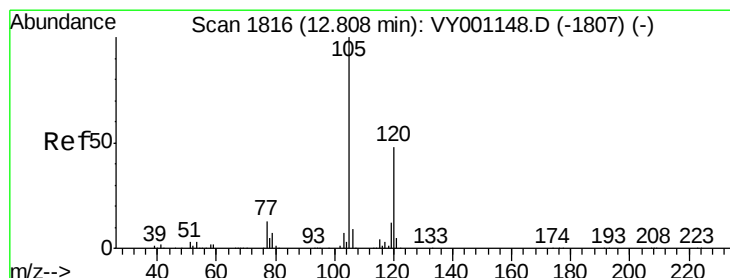
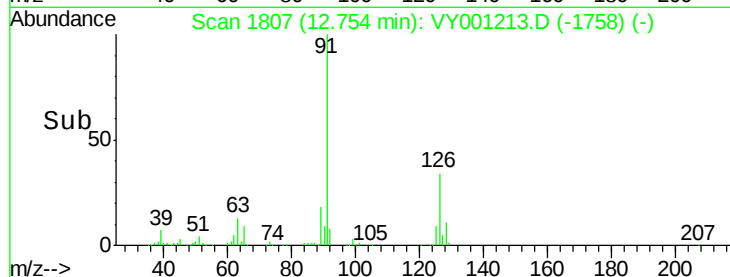
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.119 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001213.D

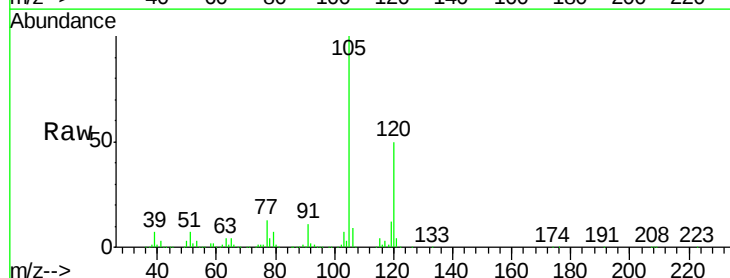
Acq: 15 Jan 2020 13:26

Tgt Ion: 105 Resp: 180397

Ion Ratio Lower Upper

105 100

120 49.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

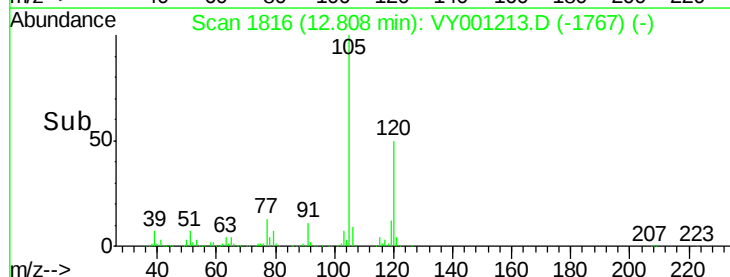
100000

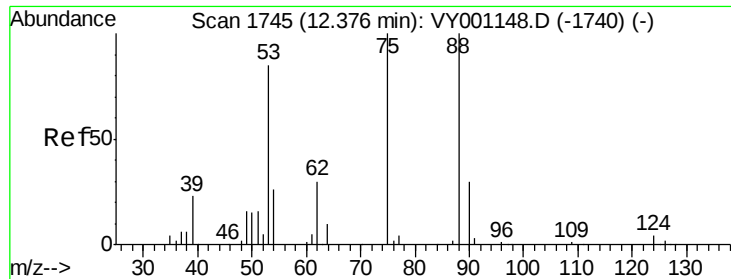
50000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.804 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

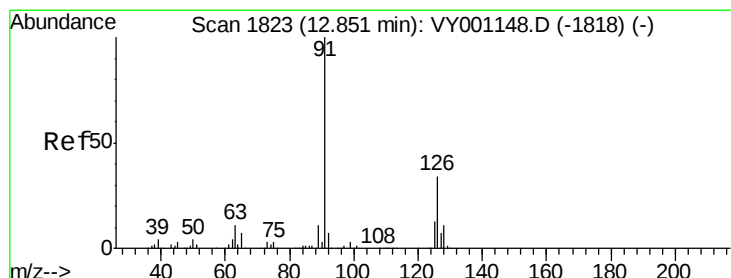
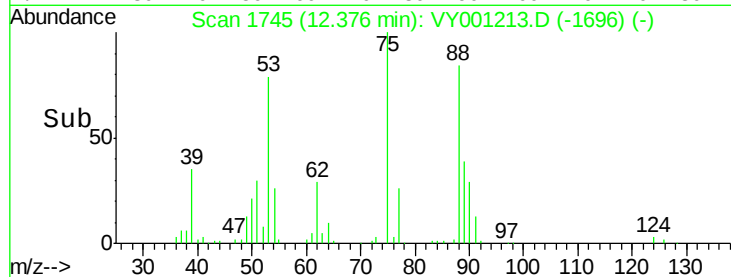
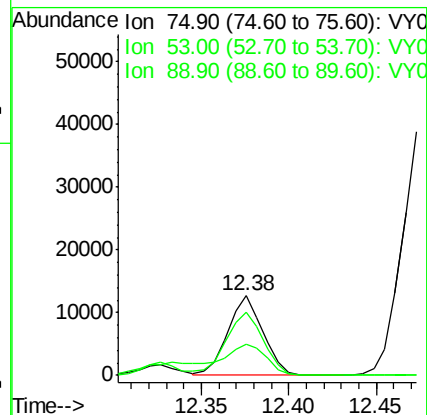
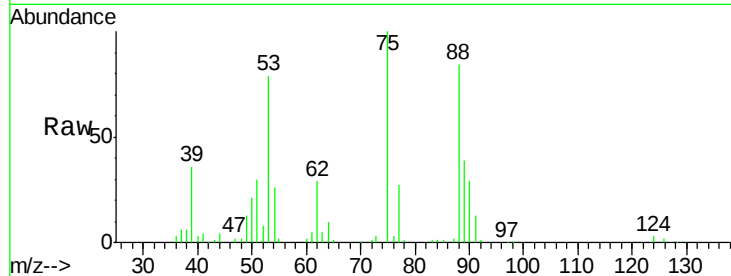
Tgt Ion: 75 Resp: 17885

Ion Ratio Lower Upper

75 100

53 83.7 69.4 104.2

89 45.6 0.0 0.0#



#82

4-Chlorotoluene

Concen: 20.572 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001213.D

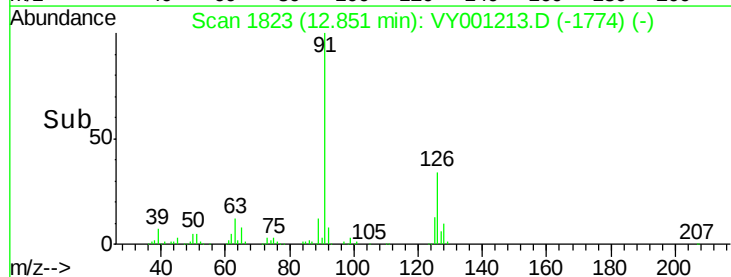
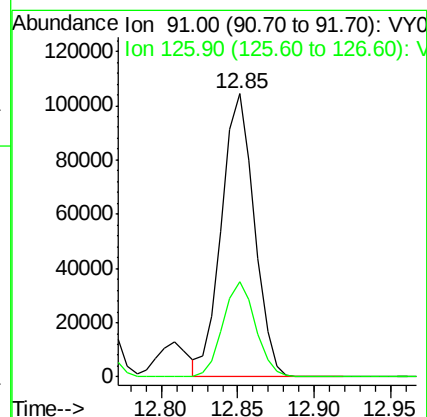
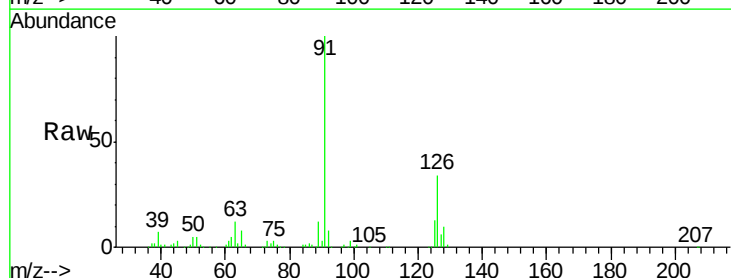
Acq: 15 Jan 2020 13:26

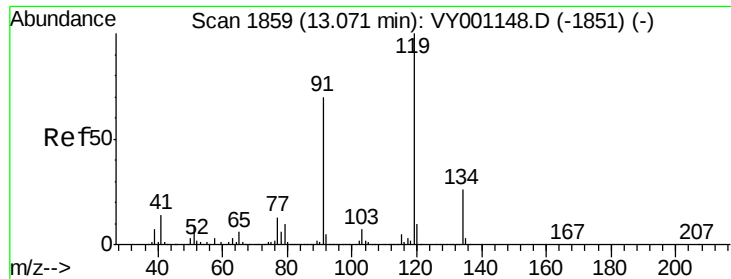
Tgt Ion: 91 Resp: 155320

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.8

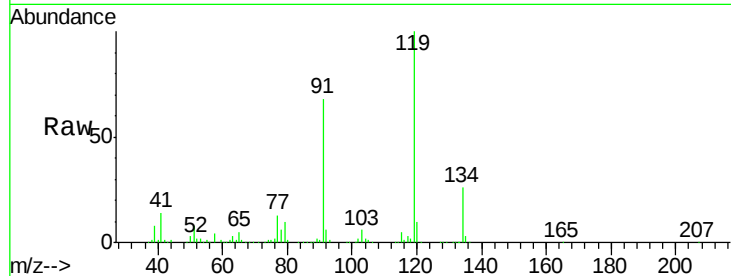




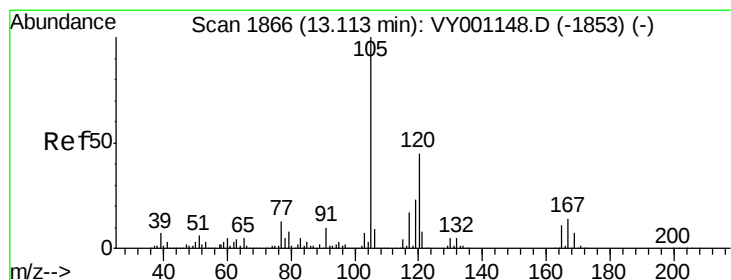
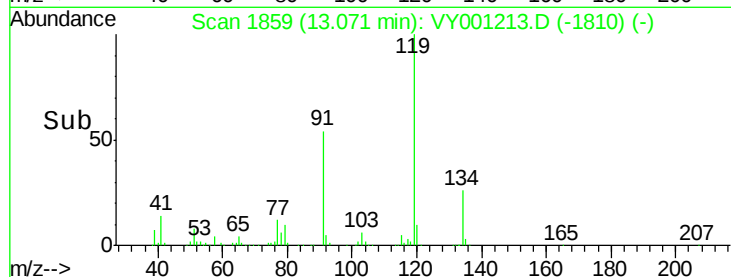
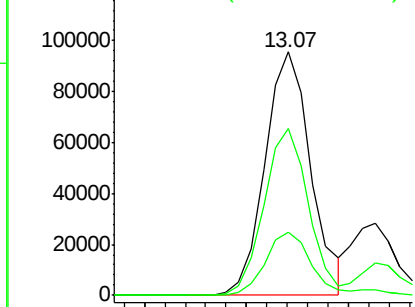
#83
 tert-Butylbenzene
 Concen: 20.894 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tgt Ion:119 Resp: 149968
 Ion Ratio Lower Upper
 119 100
 91 66.1 33.9 101.7
 134 27.1 13.5 40.4

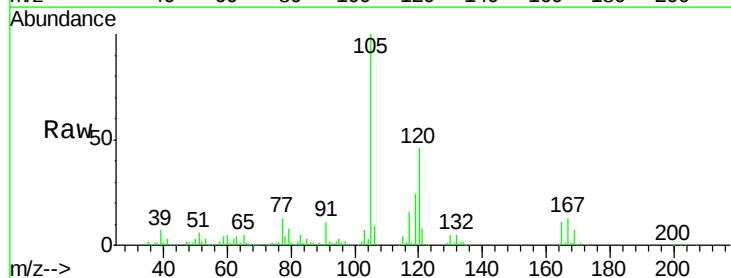


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VY0
 Ion 134.00 (133.70 to 134.70): V

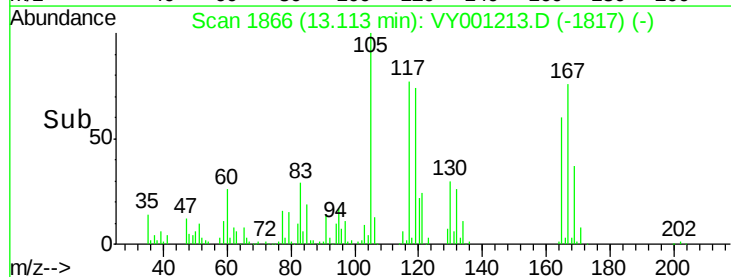
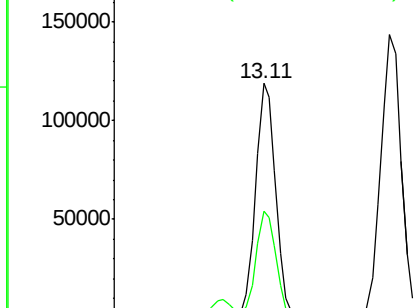


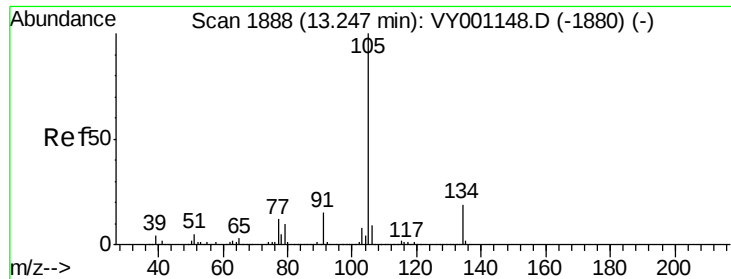
#84
 1,2,4-Trimethylbenzene
 Concen: 21.209 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion:105 Resp: 179916
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.3



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

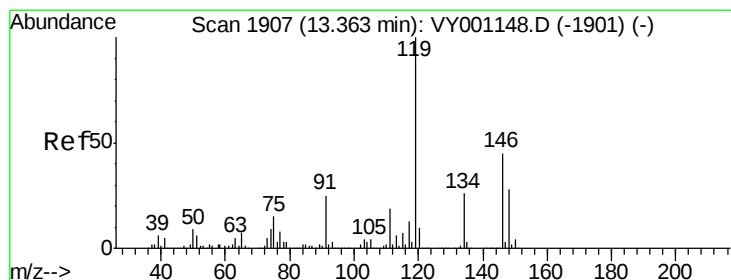
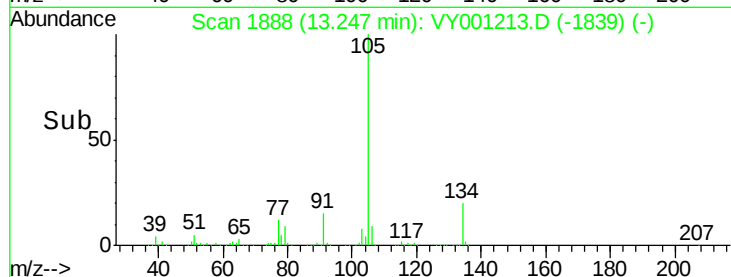
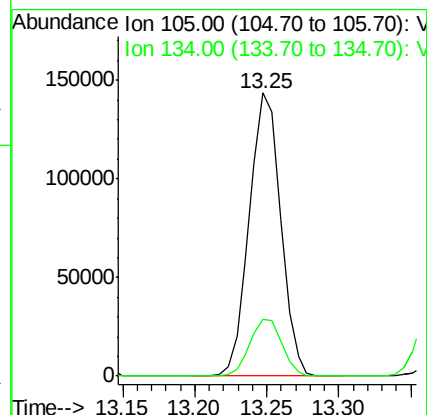
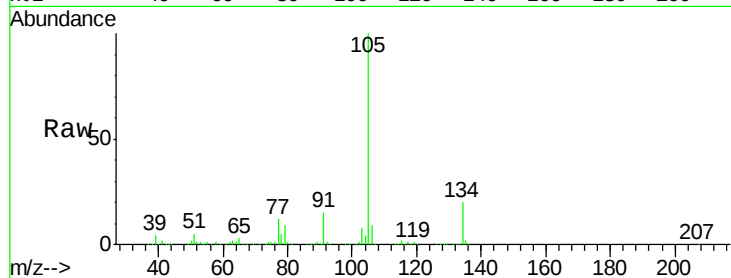




#85
 sec-Butylbenzene
 Concen: 20.967 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

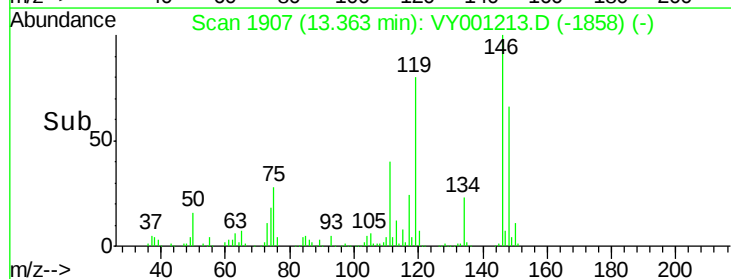
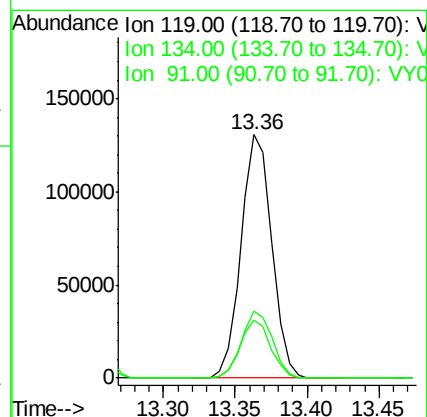
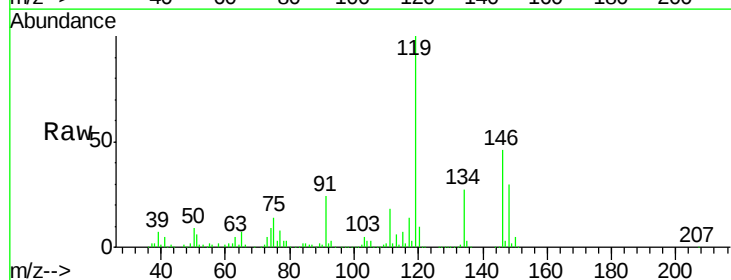
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

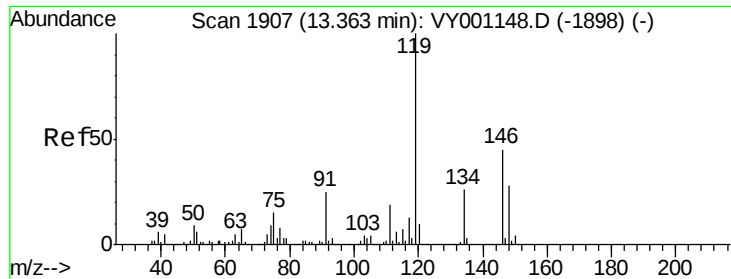
Tgt Ion:105 Resp: 216495
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.535 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion:119 Resp: 193069
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.4 40.2
 91 23.9 12.4 37.2

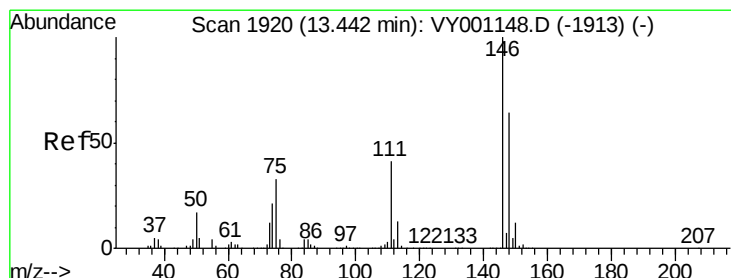
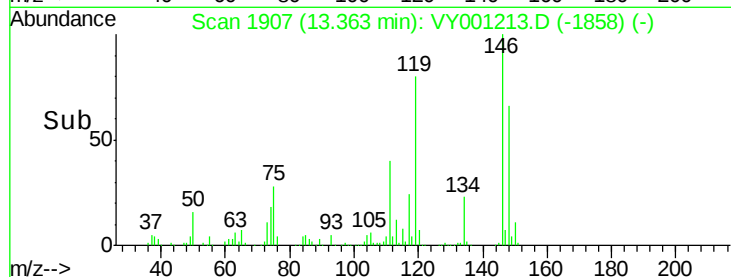
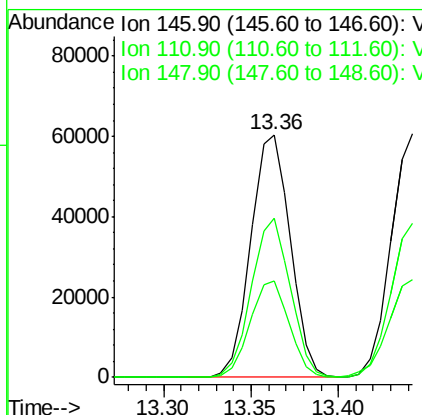
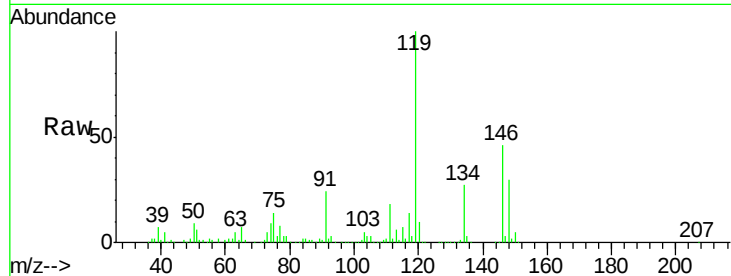




#87
 1,3-Dichlorobenzene
 Concen: 22.206 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

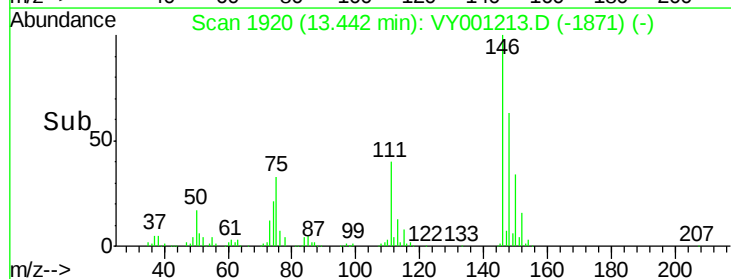
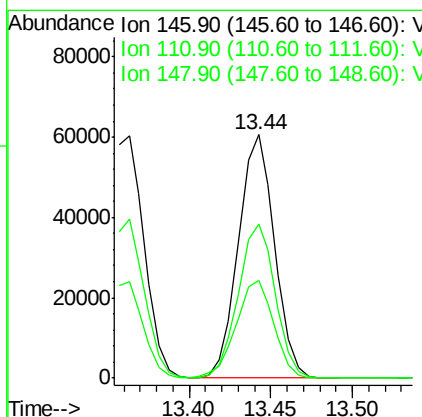
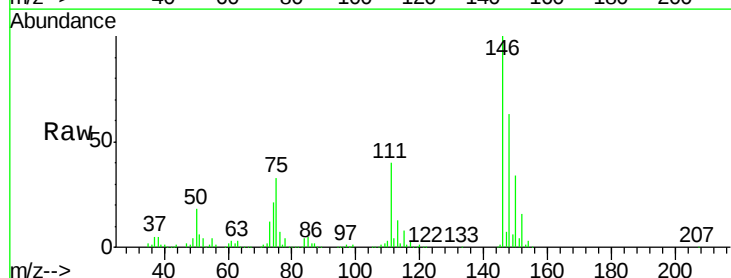
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

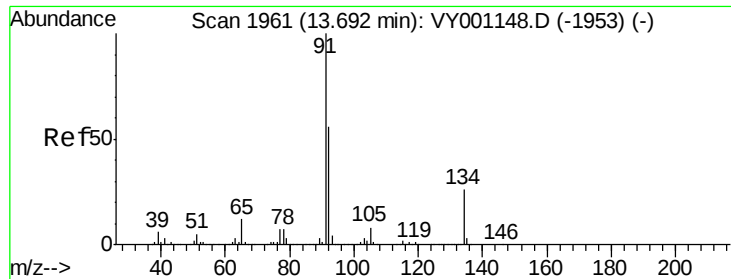
Tgt Ion:146 Resp: 94999
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.3 64.0
 148 64.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.222 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion:146 Resp: 93443
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.8 62.5
 148 64.7 32.0 96.2

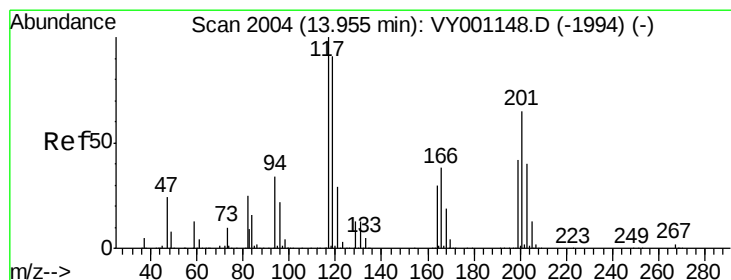
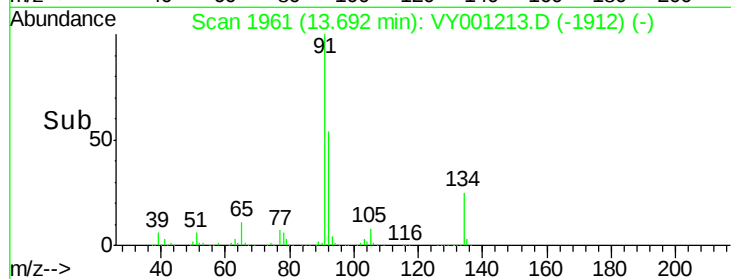
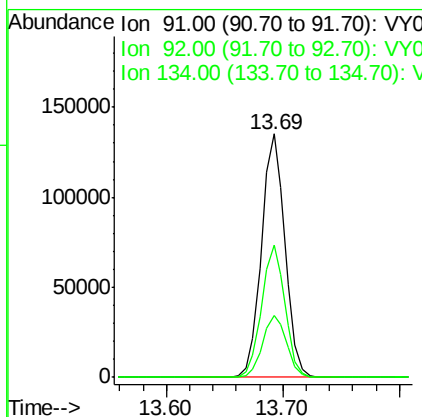
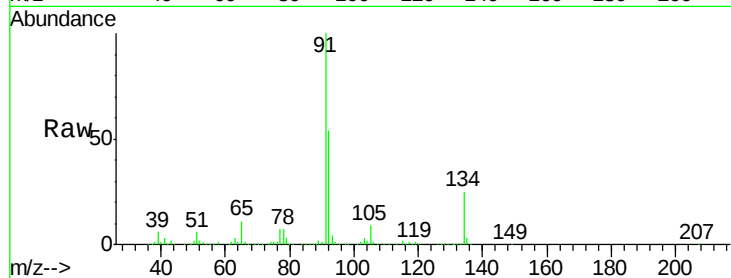




#89
n-Butylbenzene
Concen: 20.992 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

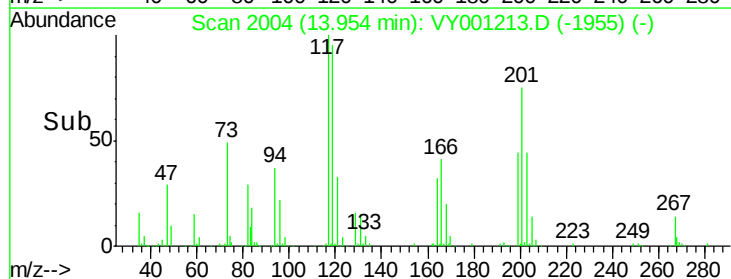
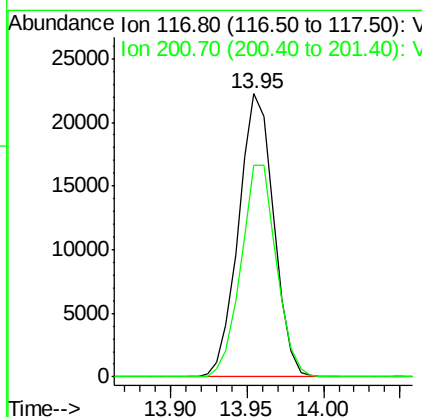
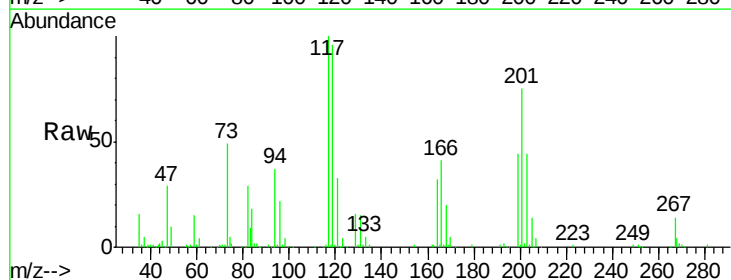
Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

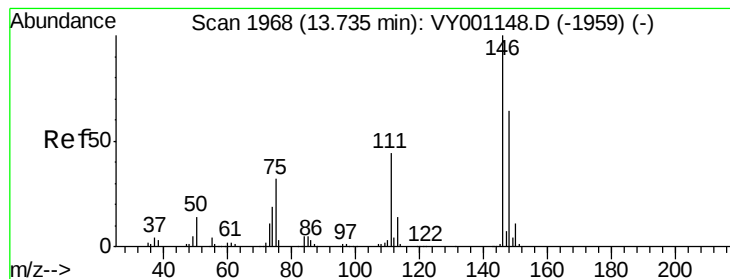
Tgt Ion: 91 Resp: 189547
Ion Ratio Lower Upper
91 100
92 54.1 27.7 83.1
134 26.1 12.9 38.6



#90
Hexachloroethane
Concen: 20.208 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion: 117 Resp: 35399
Ion Ratio Lower Upper
117 100
201 75.7 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 21.666 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS01

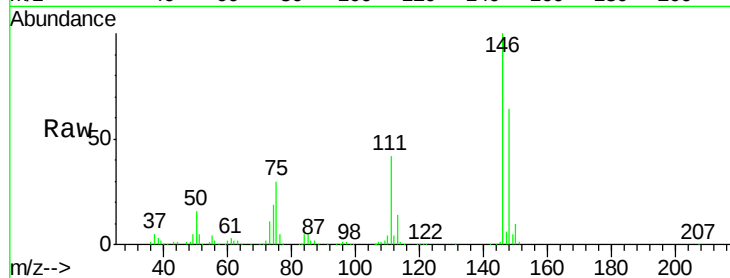
Tgt Ion:146 Resp: 86143

Ion Ratio Lower Upper

146 100

111 42.5 22.0 66.0

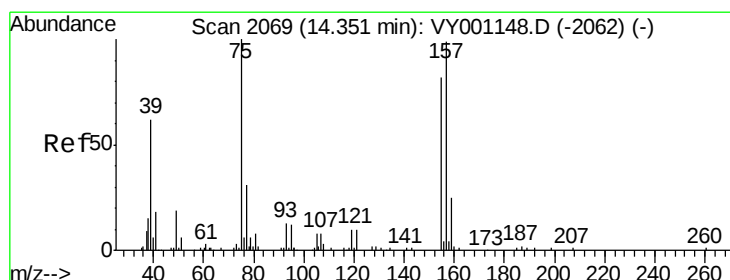
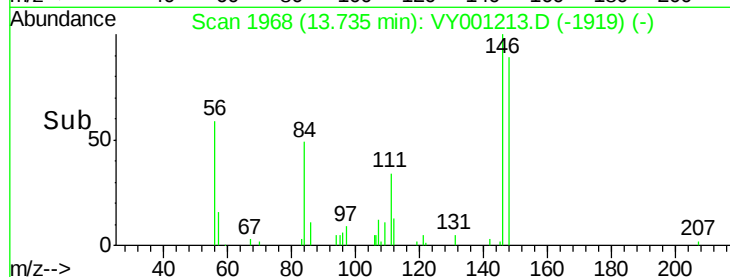
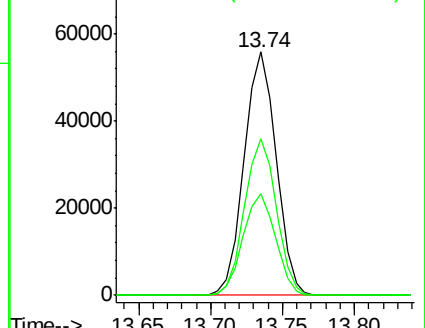
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.024 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VY001213.D

Acq: 15 Jan 2020 13:26

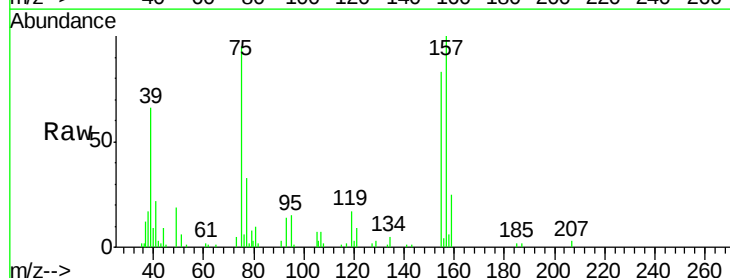
Tgt Ion: 75 Resp: 7780

Ion Ratio Lower Upper

75 100

155 89.0 41.2 123.6

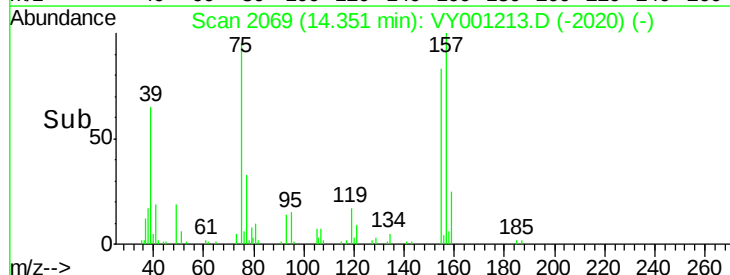
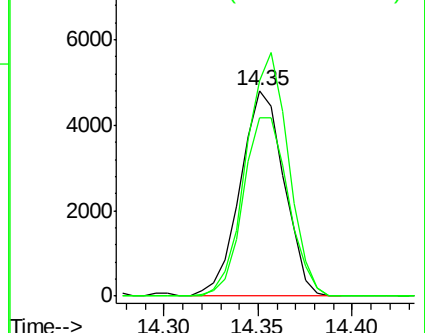
157 113.5 52.8 158.4

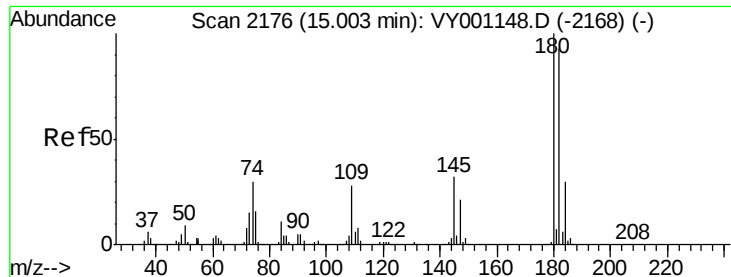


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

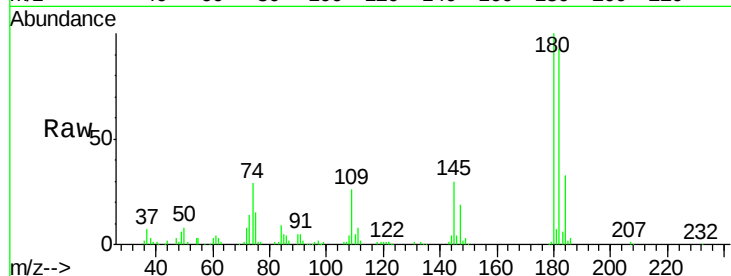




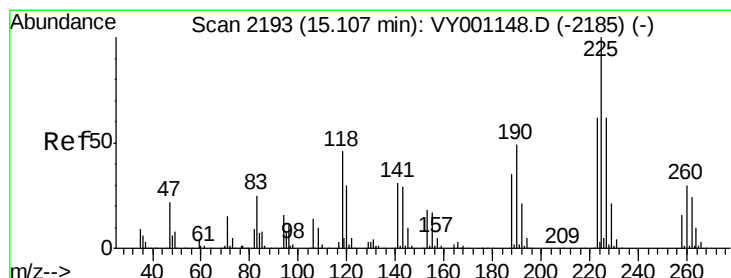
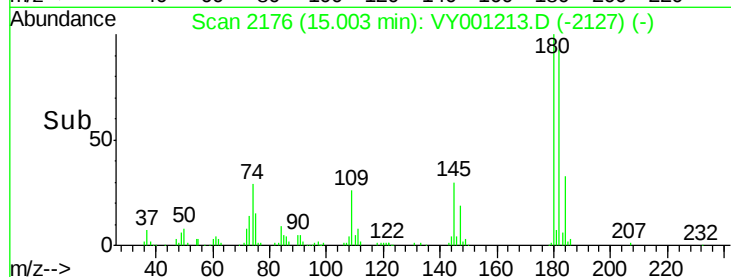
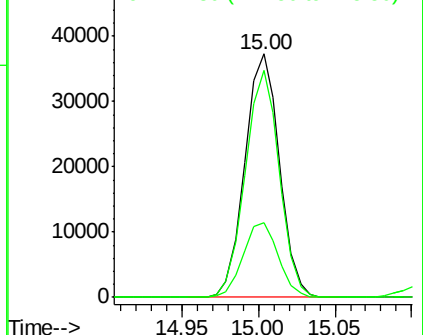
#93
 1,2,4-Trichlorobenzene
 Concen: 22.339 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS01

Tgt Ion:180 Resp: 58522
 Ion Ratio Lower Upper
 180 100
 182 92.2 46.9 140.8
 145 31.3 16.0 48.0

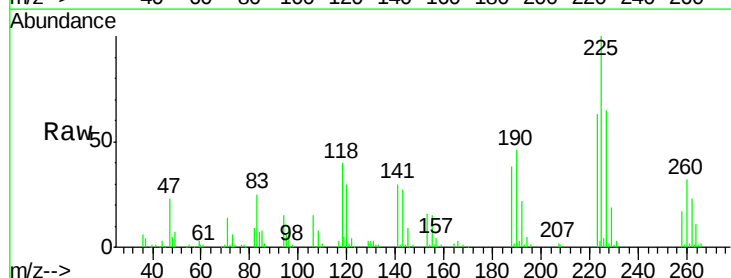


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

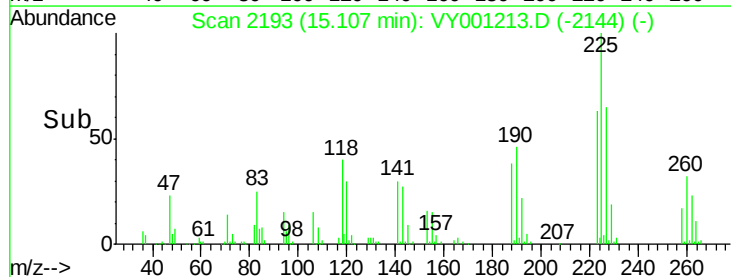
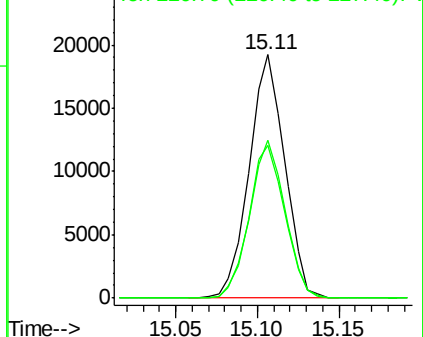


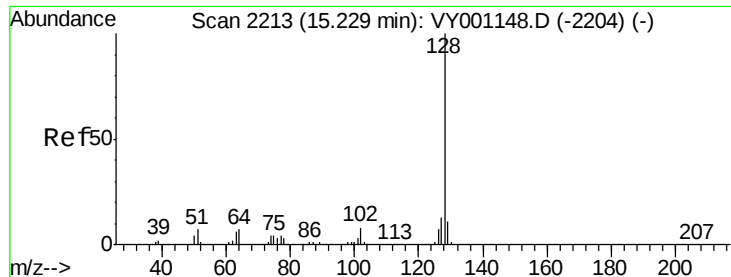
#94
 Hexachlorobutadiene
 Concen: 22.169 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001213.D
 Acq: 15 Jan 2020 13:26

Tgt Ion:225 Resp: 29257
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.3
 227 64.5 31.3 93.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

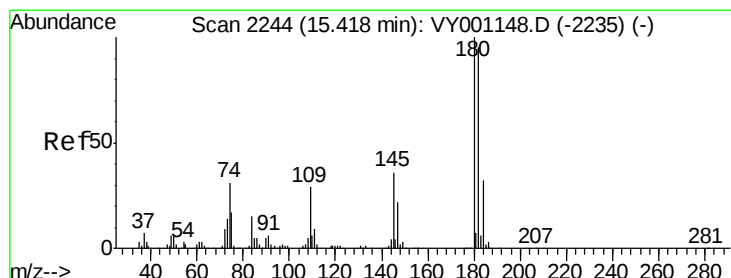
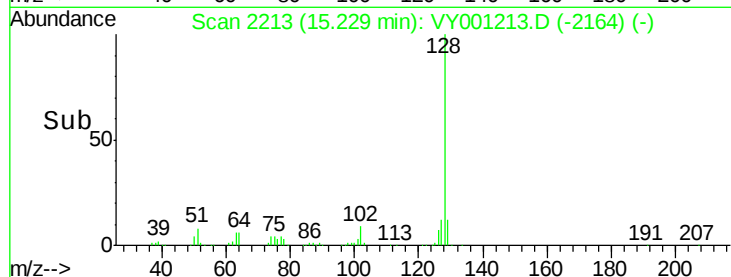
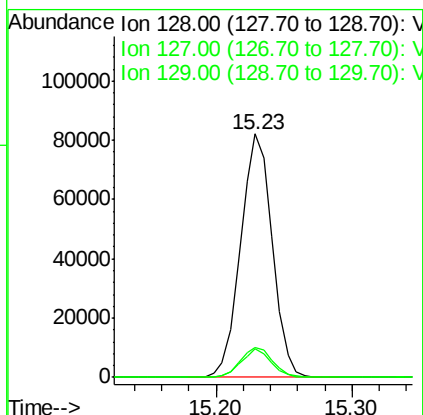
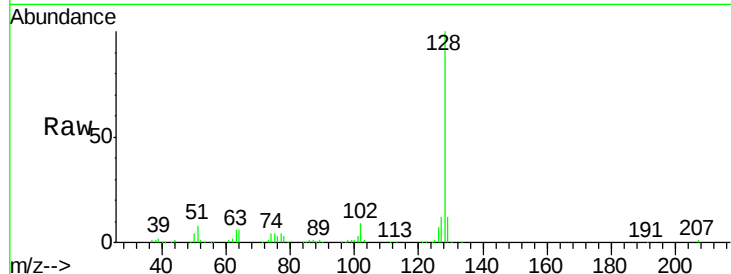




#95
Naphthalene
Concen: 21.812 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS01

Tgt Ion:128 Resp: 133023
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.022 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001213.D
Acq: 15 Jan 2020 13:26

Tgt Ion:180 Resp: 50843
Ion Ratio Lower Upper
180 100
182 96.9 47.5 142.5
145 34.1 17.1 51.3

