

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001025.D
 Acq On : 23 Dec 2019 14:01
 Operator : SY/MD
 Sample : VY1223SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Quant Time: Dec 24 04:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	349770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	603924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	534153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246615	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	172460	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.73	113	172385	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.18	98	729972	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.48	95	241220	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	63014	20.675	ug/l	95
3) Chloromethane	2.12	50	81784	19.716	ug/l	99
4) Vinyl Chloride	2.25	62	77797	19.312	ug/l	96
5) Bromomethane	2.63	94	51980	19.553	ug/l	88
6) Chloroethane	2.79	64	48935	19.504	ug/l	91
7) Trichlorofluoromethane	3.13	101	112585	19.055	ug/l	95
8) Diethyl Ether	3.54	74	44483	18.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	74304	19.145	ug/l	96
10) Methyl Iodide	4.09	142	98487	18.366	ug/l	100
11) Tert butyl alcohol	4.96	59	36460	96.123	ug/l	99
12) 1,1-Dichloroethene	3.88	96	76037	19.351	ug/l	93
13) Acrolein	3.74	56	41104	87.461	ug/l	96
14) Allyl chloride	4.49	41	119247	19.535	ug/l	99
15) Acrylonitrile	5.18	53	115992	96.228	ug/l	99
16) Acetone	3.95	43	80484	101.273	ug/l	98
17) Carbon Disulfide	4.20	76	248506	19.354	ug/l	100
18) Methyl Acetate	4.49	43	58122	19.063	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	194699	19.198	ug/l	99
20) Methylene Chloride	4.72	84	98023	20.955	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	85973	19.742	ug/l	86
22) Diisopropyl ether	6.13	45	239691	19.426	ug/l	97
23) Vinyl Acetate	6.07	43	741749	95.191	ug/l	99
24) 1,1-Dichloroethane	6.04	63	139629	19.150	ug/l	99
25) 2-Butanone	7.00	43	135100	96.768	ug/l	96
26) 2,2-Dichloropropane	6.99	77	115911	19.349	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	94358	19.722	ug/l	100
28) Bromochloromethane	7.35	49	50817	17.862	ug/l	99
29) Tetrahydrofuran	7.36	42	92663	93.307	ug/l	98
30) Chloroform	7.52	83	134764	19.546	ug/l	97
31) Cyclohexane	7.79	56	147273	19.208	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	114583	19.482	ug/l	100
36) 1,1-Dichloropropene	7.93	75	113821	19.756	ug/l	100
37) Ethyl Acetate	7.09	43	61445	19.261	ug/l	97
38) Carbon Tetrachloride	7.91	117	97759	19.367	ug/l	97

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Quant Time: Dec 24 04:42:31 2019
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 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	153612	20.078	ug/l	98
40) Benzene	8.17	78	342255	19.691	ug/l	100
41) Methacrylonitrile	7.35	41	81248	58.744	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	81177	19.534	ug/l	99
43) Isopropyl Acetate	8.28	43	111952	18.957	ug/l	100
44) Trichloroethene	8.94	130	91090	19.890	ug/l	98
45) 1,2-Dichloropropane	9.22	63	85544	19.618	ug/l	100
46) Dibromomethane	9.31	93	43377	19.298	ug/l	98
47) Bromodichloromethane	9.50	83	100244	19.253	ug/l	99
48) Methyl methacrylate	9.30	41	46689	18.527	ug/l	94
49) 1,4-Dioxane	9.30	88	14254	433.508	ug/l	85
51) 4-Methyl-2-Pentanone	10.07	43	297203	96.557	ug/l	100
52) Toluene	10.24	92	211049	19.728	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	109758	19.424	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	132079	19.439	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	64811	19.314	ug/l	96
56) Ethyl methacrylate	10.51	69	91953	19.254	ug/l	99
57) 1,3-Dichloropropane	10.79	76	113710	19.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	185519	100.574	ug/l	100
59) 2-Hexanone	10.83	43	202806	95.223	ug/l	99
60) Dibromochloromethane	10.98	129	69665	19.436	ug/l	98
61) 1,2-Dibromoethane	11.09	107	61908	19.293	ug/l	99
64) Tetrachloroethene	10.72	164	95718	20.711	ug/l	98
65) Chlorobenzene	11.51	112	220533	19.904	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	73520	20.107	ug/l	97
67) Ethyl Benzene	11.59	91	402923	20.218	ug/l	98
68) m/p-Xylenes	11.70	106	301293	39.816	ug/l	99
69) o-Xylene	12.03	106	144578	20.309	ug/l	98
70) Styrene	12.04	104	242839	20.062	ug/l	99
71) Bromoform	12.20	173	39965	19.630	ug/l #	98
73) Isopropylbenzene	12.33	105	376630	19.735	ug/l	100
74) N-amyl acetate	12.14	43	96451	19.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	70838	18.842	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	101442	33.366	ug/l #	100
77) Bromobenzene	12.60	156	83055	19.351	ug/l	97
78) n-propylbenzene	12.67	91	465264	20.008	ug/l	99
79) 2-Chlorotoluene	12.75	91	251109	19.554	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	312752	19.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	26327	18.469	ug/l	97
82) 4-Chlorotoluene	12.85	91	262236	19.660	ug/l	100
83) tert-Butylbenzene	13.07	119	263061	20.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	313428	19.939	ug/l	99
85) sec-Butylbenzene	13.25	105	394152	20.360	ug/l	100
86) p-Isopropyltoluene	13.36	119	340328	20.317	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	164122	19.910	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	167094	20.094	ug/l	99
89) n-Butylbenzene	13.69	91	344164	20.421	ug/l	99
90) Hexachloroethane	13.95	117	63512	20.125	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	149222	19.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11579	18.408	ug/l	96

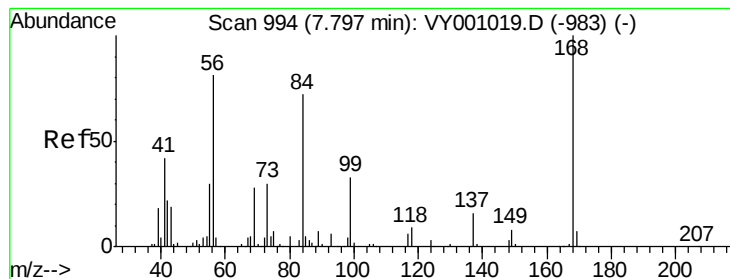
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
Data File : VY001025.D
Acq On : 23 Dec 2019 14:01
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Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104465	20.353	ug/l	100
94) Hexachlorobutadiene	15.11	225	51657	21.150	ug/l	99
95) Naphthalene	15.23	128	239807	19.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	94154	20.570	ug/l	97

(#) = 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: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

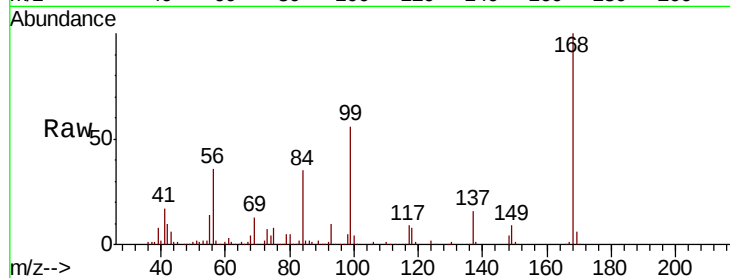
VY1223SBS01

Tot Ion:168 Resp: 349770

Ion Ratio Lower Upper

168 100

99 55.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

150000

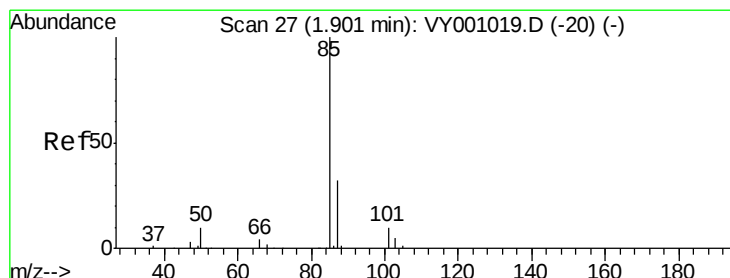
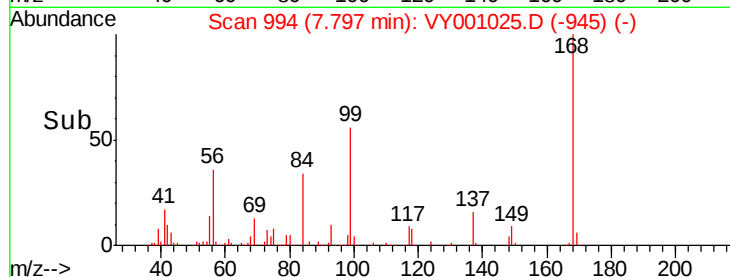
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.675 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001025.D

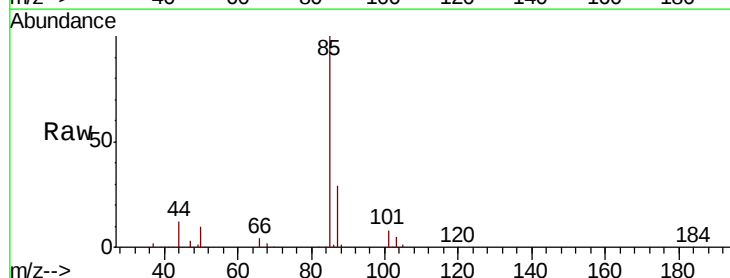
Acq: 23 Dec 2019 14:01

Tgt Ion: 85 Resp: 63014

Ion Ratio Lower Upper

85 100

87 29.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

50000

40000

30000

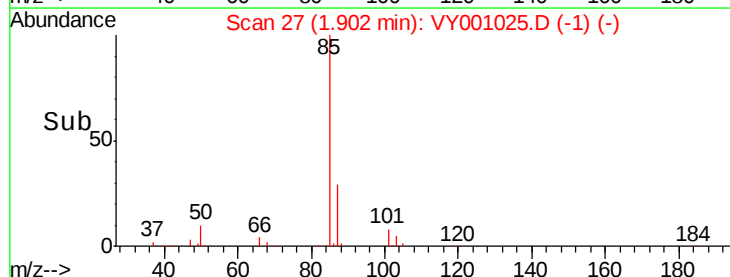
20000

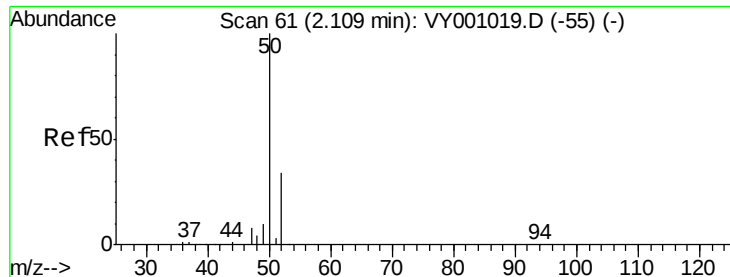
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.716 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

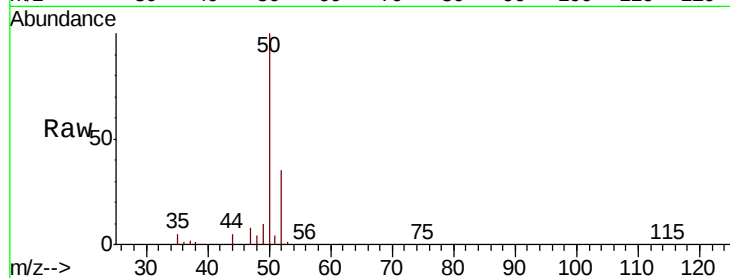
VY1223SBS01

Tot Ion: 50 Resp: 81784

Ion Ratio Lower Upper

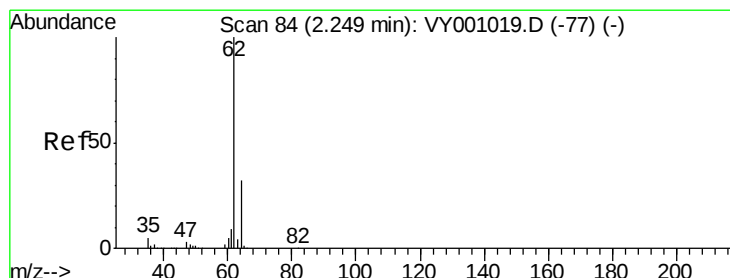
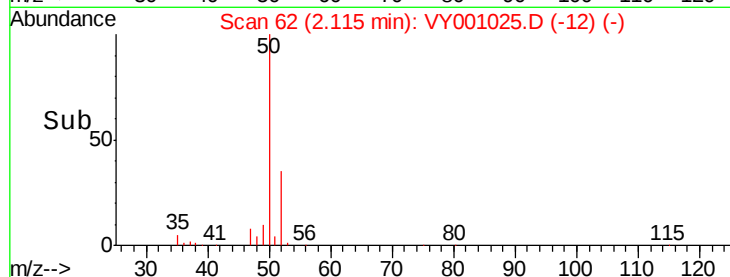
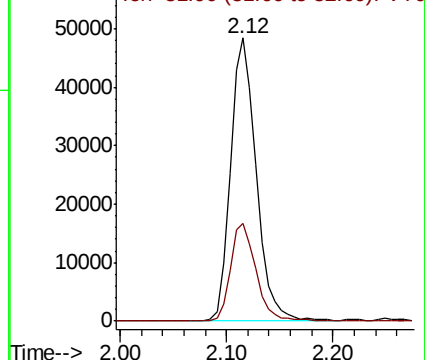
50 100

52 34.5 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.312 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001025.D

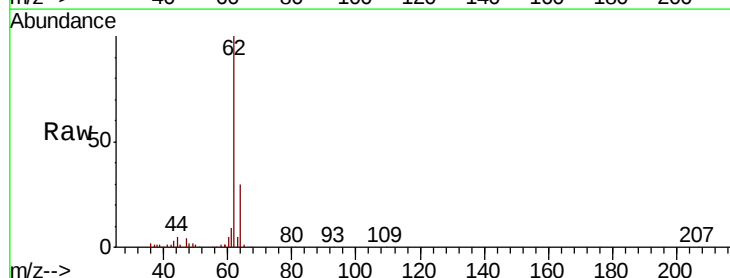
Acq: 23 Dec 2019 14:01

Tgt Ion: 62 Resp: 77797

Ion Ratio Lower Upper

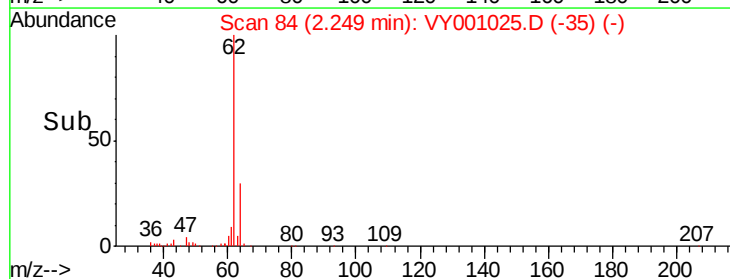
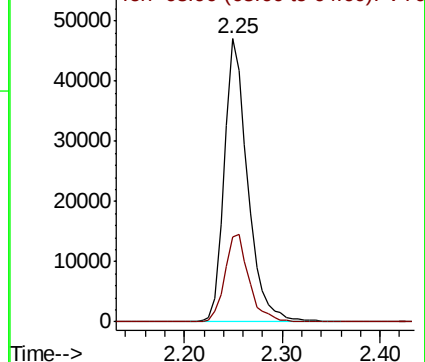
62 100

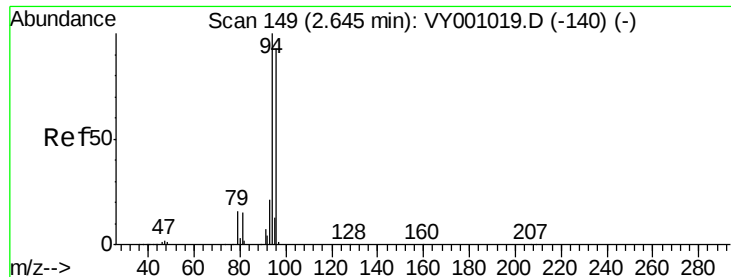
64 29.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.553 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

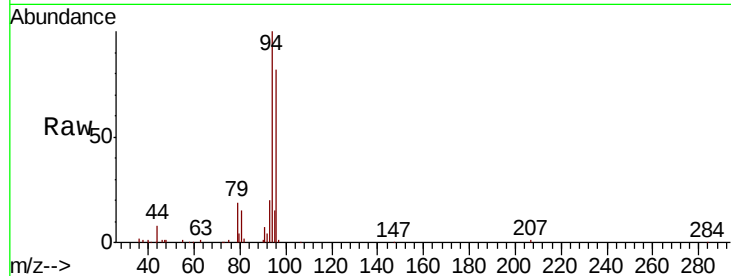
VY1223SBS01

Tot Ion: 94 Resp: 51980

Ion Ratio Lower Upper

94 100

96 81.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY001019.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VY001019.D (-140) (-)

2.63

25000

20000

15000

10000

5000

0

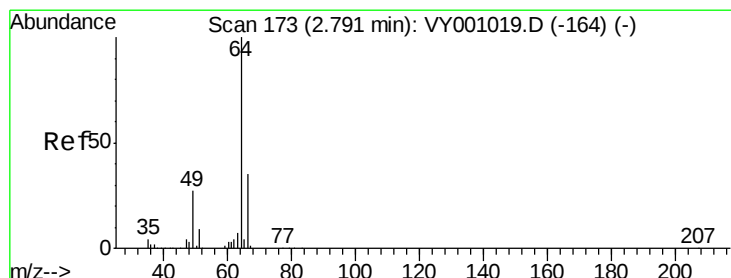
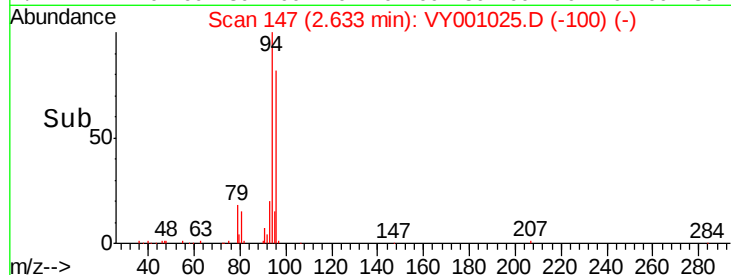
Time-->

2.50

2.60

2.70

2.80



#6

Chloroethane

Concen: 19.504 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY001025.D

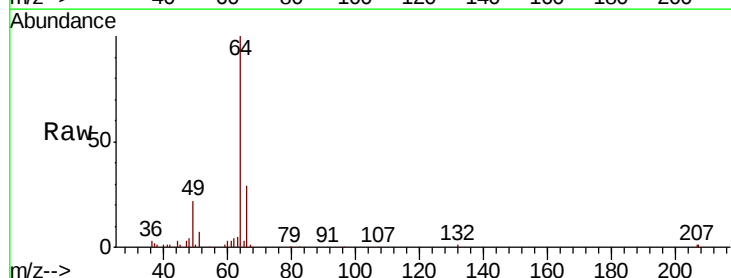
Acq: 23 Dec 2019 14:01

Tgt Ion: 64 Resp: 48935

Ion Ratio Lower Upper

64 100

66 29.5 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY001019.D (-164) (-)

Ion 65.90 (65.60 to 66.60): VY001019.D (-164) (-)

2.79

25000

20000

15000

10000

5000

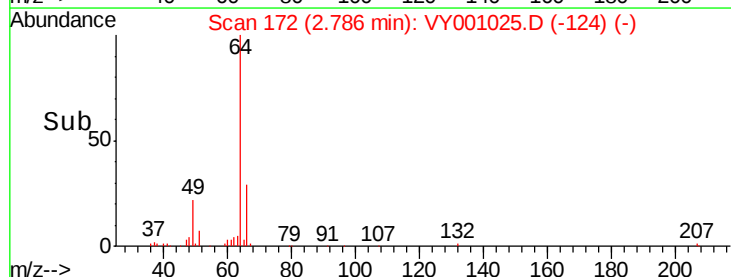
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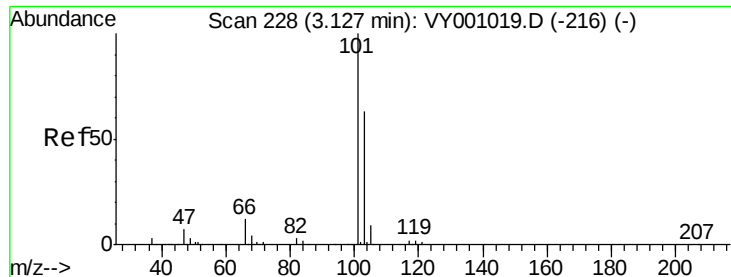
Time-->

2.70

2.80

2.90



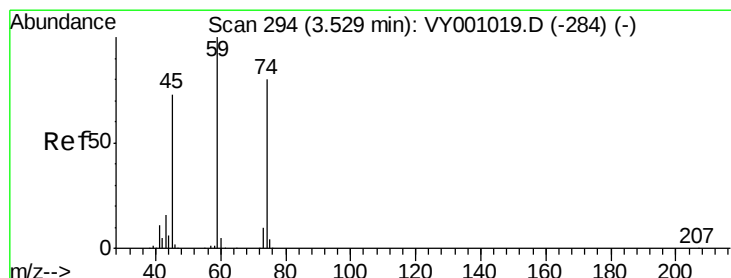
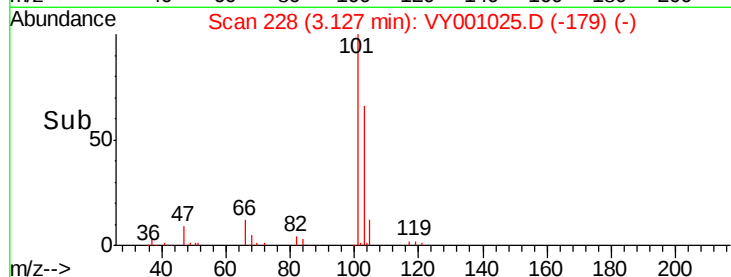
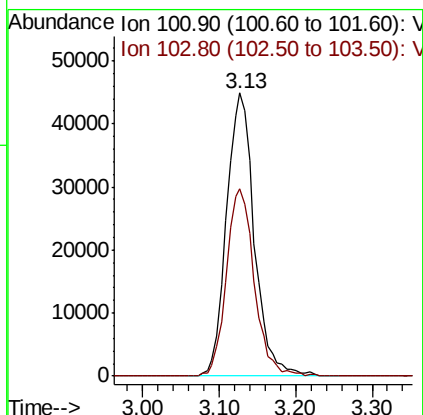
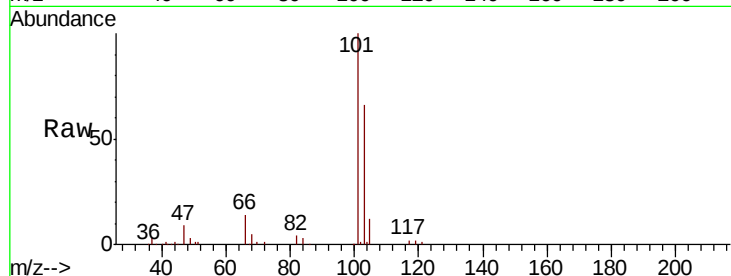


#7

Trichlorofluoromethane
 Concen: 19.055 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

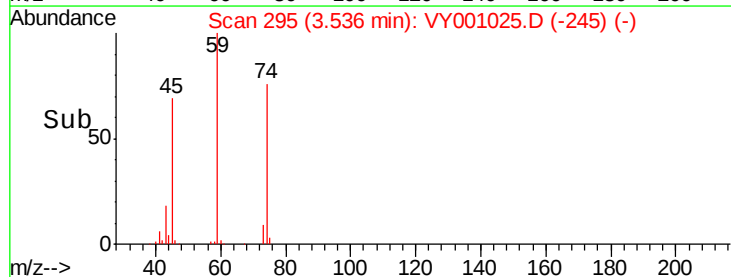
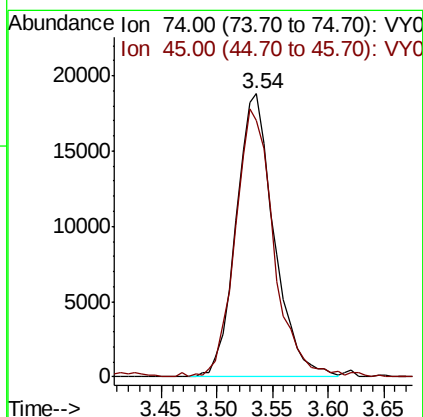
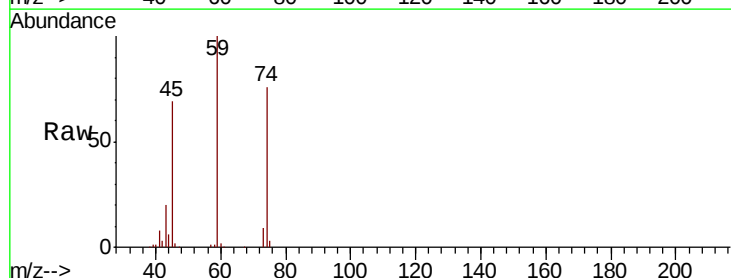
Tot Ion:101 Resp: 112585
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.2 75.2

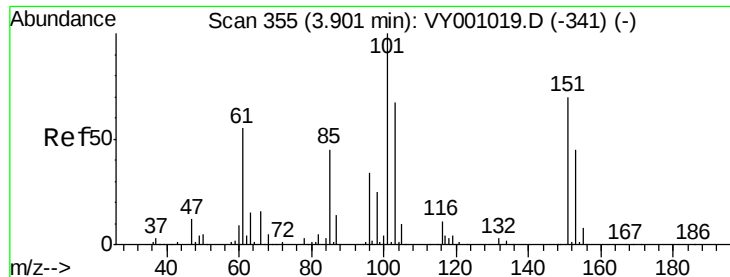


#8

Diethyl Ether
 Concen: 18.443 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion: 74 Resp: 44483
 Ion Ratio Lower Upper
 74 100
 45 94.6 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.145 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBSD01

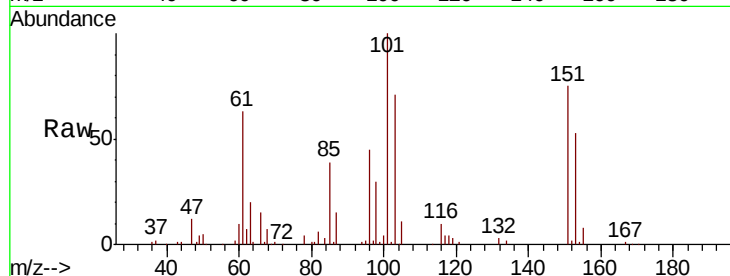
Tot Ion:101 Resp: 74304

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

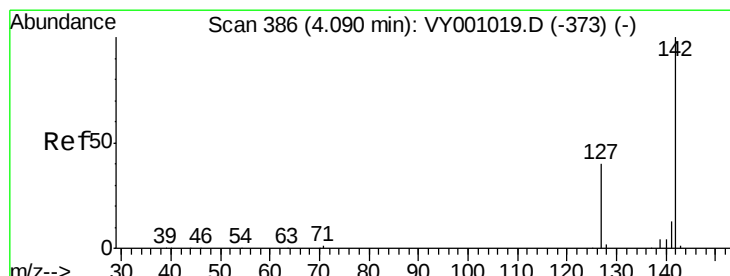
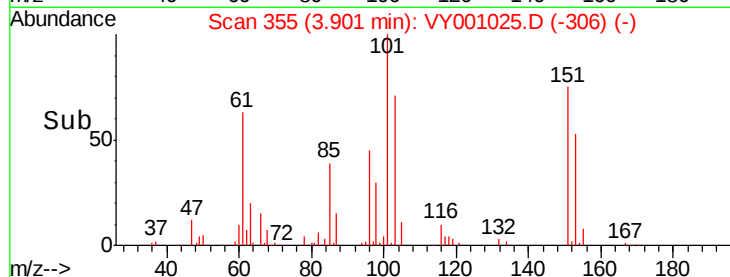
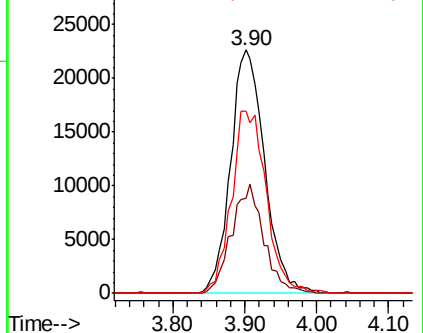
151 76.5 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.366 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

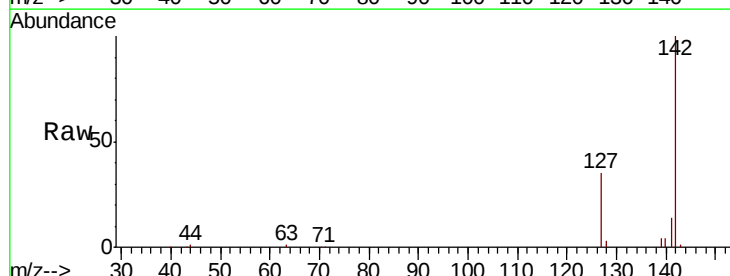
Tgt Ion:142 Resp: 98487

Ion Ratio Lower Upper

142 100

127 39.0 31.2 46.8

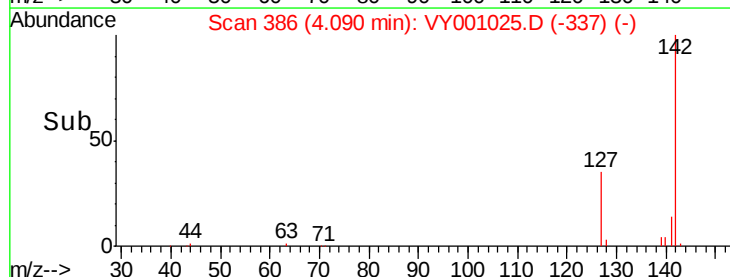
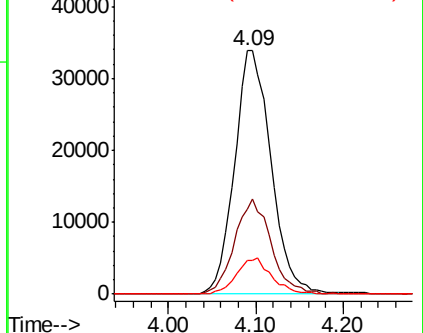
141 14.1 11.0 16.4

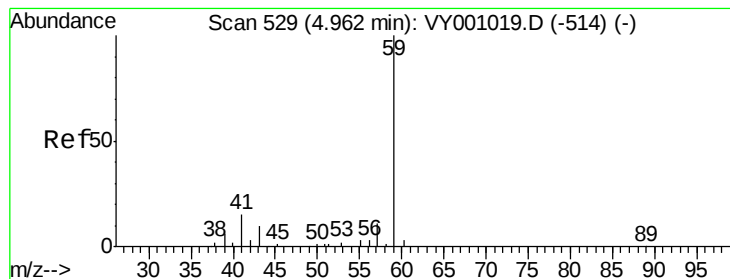


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.123 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

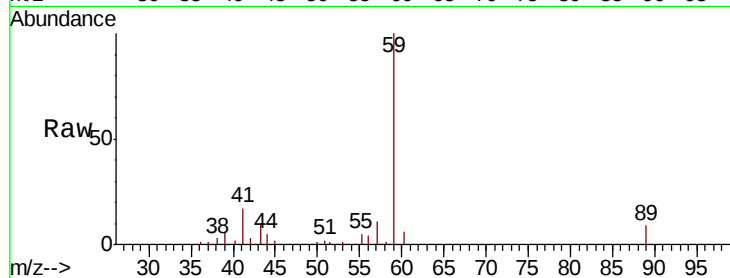
VY1223SBS01

Tot Ion: 59 Resp: 36460

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.96

10000

8000

6000

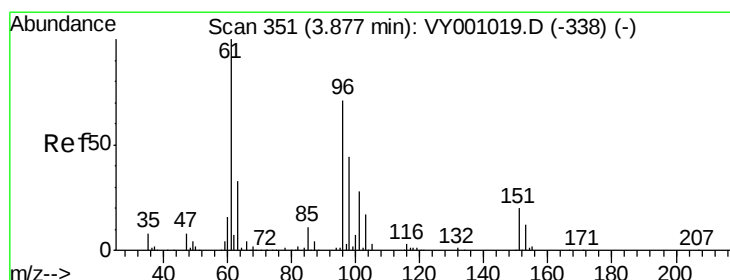
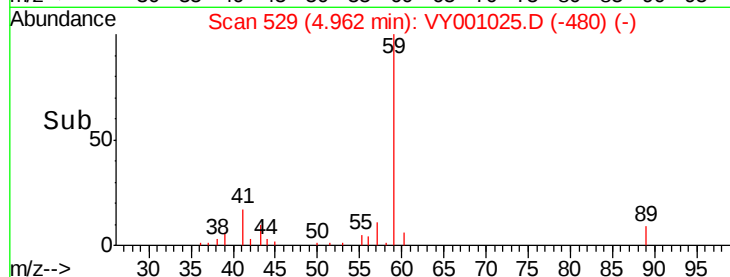
4000

2000

0

Time-->

4.80 4.90 5.00 5.10



#12

1,1-Dichloroethene

Concen: 19.351 ug/l

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

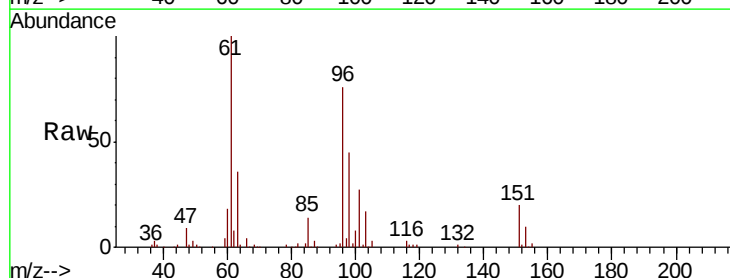
Tgt Ion: 96 Resp: 76037

Ion Ratio Lower Upper

96 100

61 131.3 113.0 169.4

98 58.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VY001019.D (-338) (-)

Ion 60.90 (60.60 to 61.60): VY001019.D (-338) (-)

Ion 97.90 (97.60 to 98.60): VY001019.D (-338) (-)

3.88

50000

40000

30000

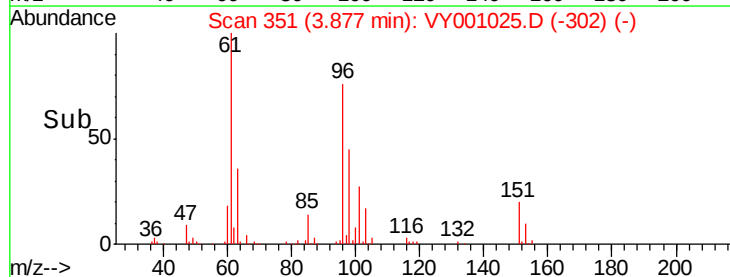
20000

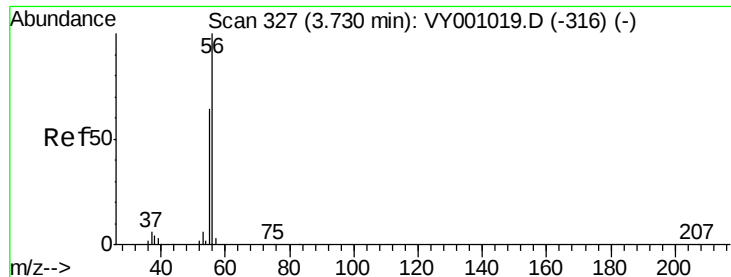
10000

0

Time-->

3.80 3.90 4.00





#13

Acrolein

Concen: 87.461 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

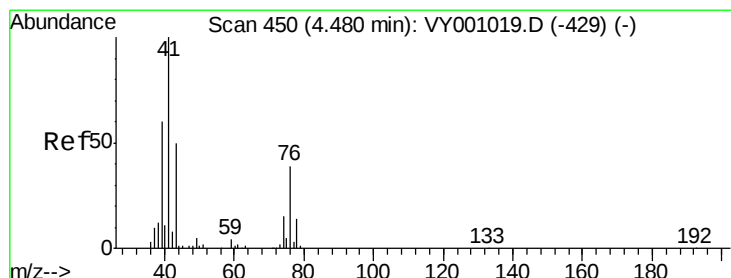
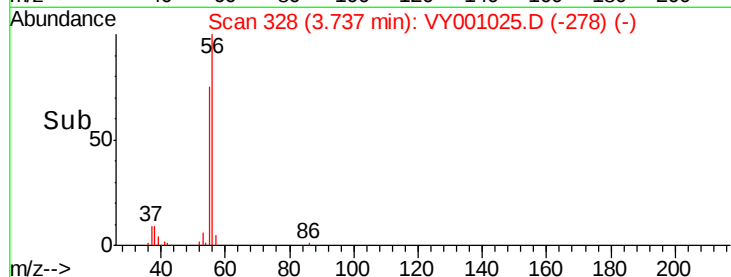
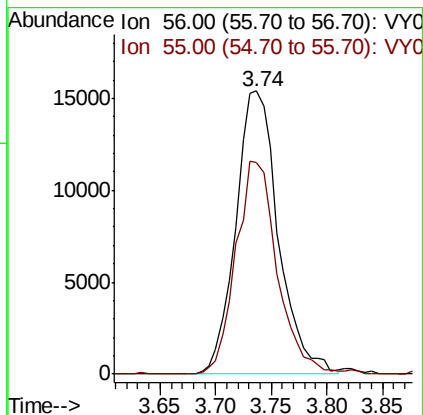
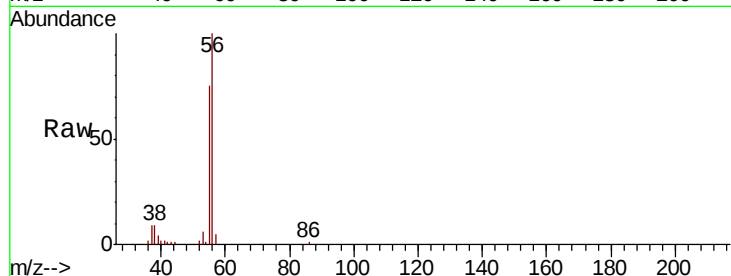
VY1223SBS01

Tot Ion: 56 Resp: 41104

Ion Ratio Lower Upper

56 100

55 72.9 55.6 83.4



#14

Allyl chloride

Concen: 19.535 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

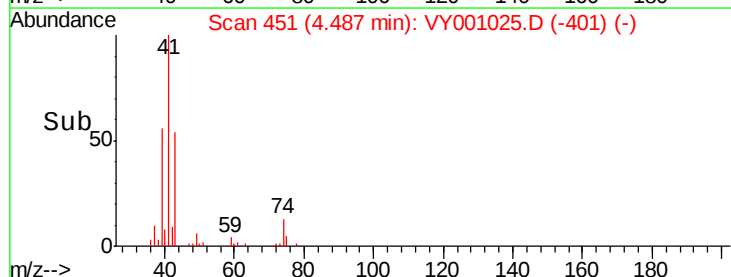
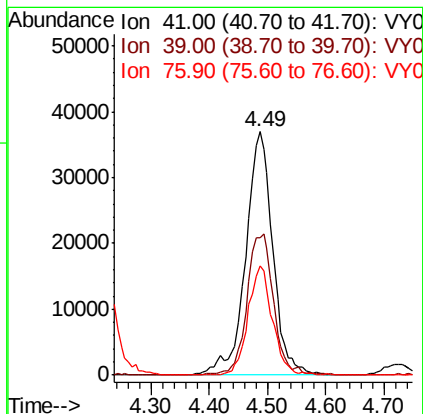
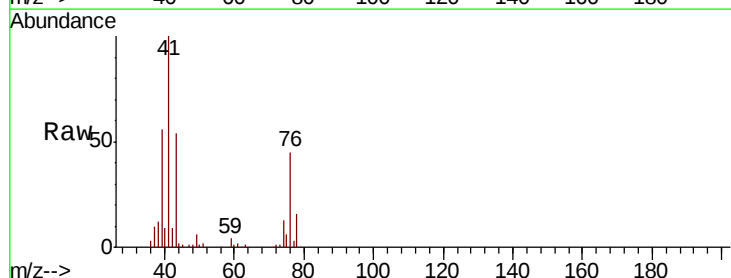
Tgt Ion: 41 Resp: 119247

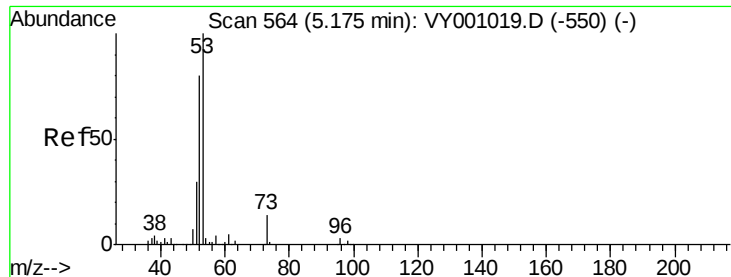
Ion Ratio Lower Upper

41 100

39 56.6 46.0 69.0

76 40.3 32.6 48.8





#15

Acrylonitrile

Concen: 96.228 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

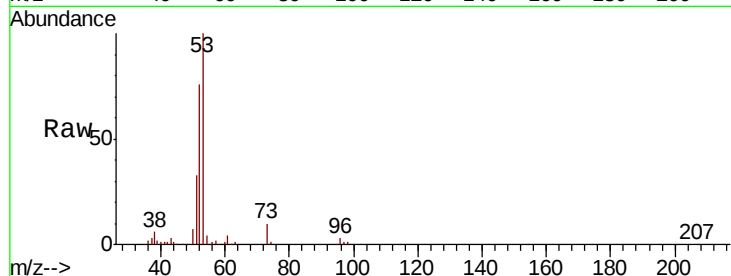
Tot Ion: 53 Resp: 115992

Ion Ratio Lower Upper

53 100

52 78.7 63.6 95.4

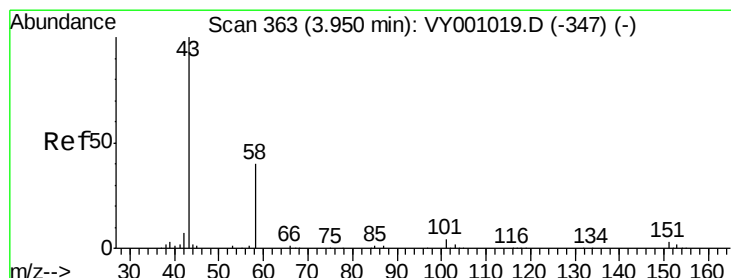
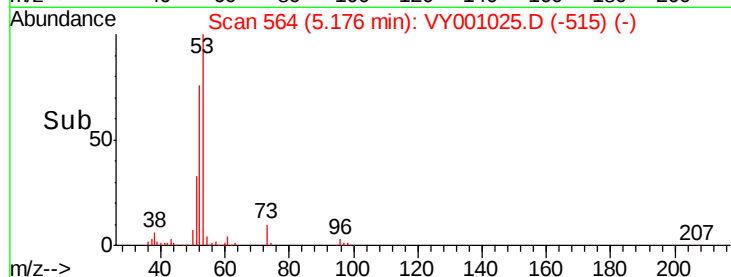
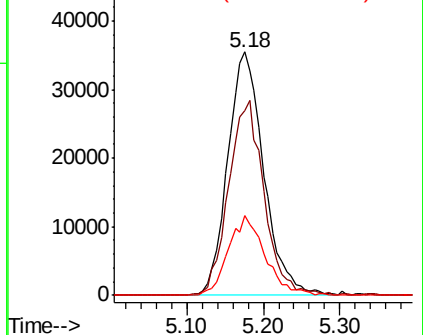
51 33.3 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 101.273 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001025.D

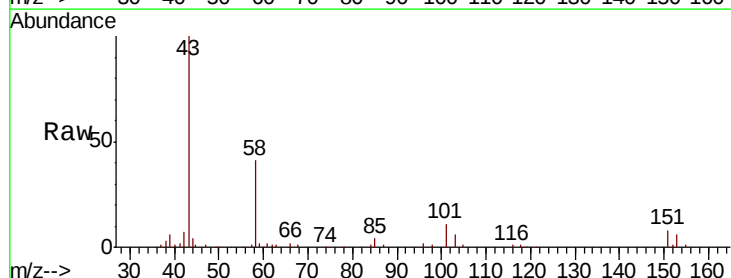
Acq: 23 Dec 2019 14:01

Tgt Ion: 43 Resp: 80484

Ion Ratio Lower Upper

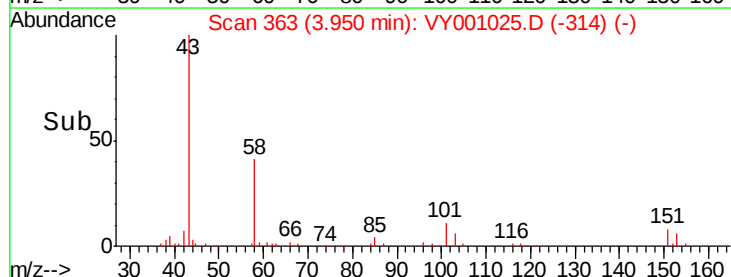
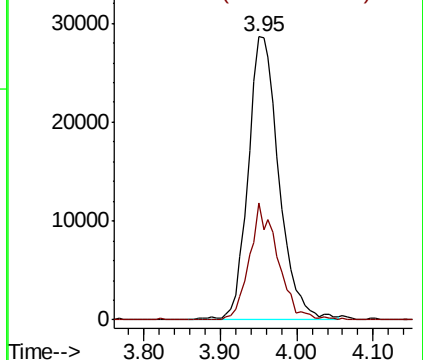
43 100

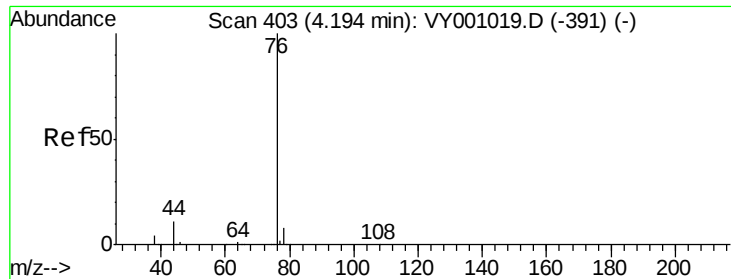
58 41.3 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

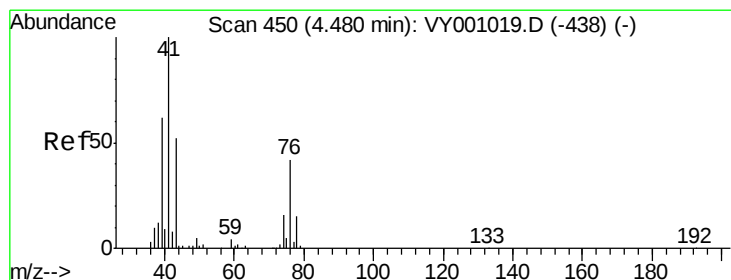
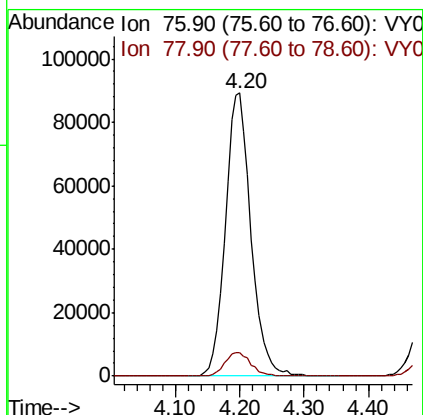
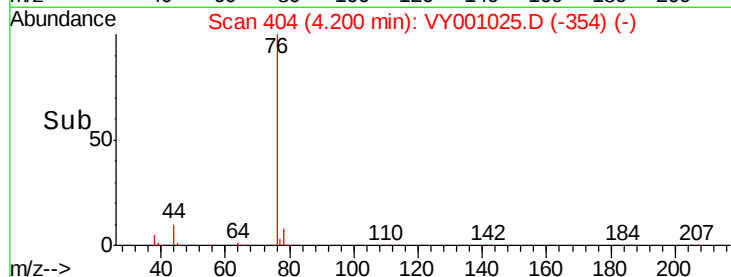
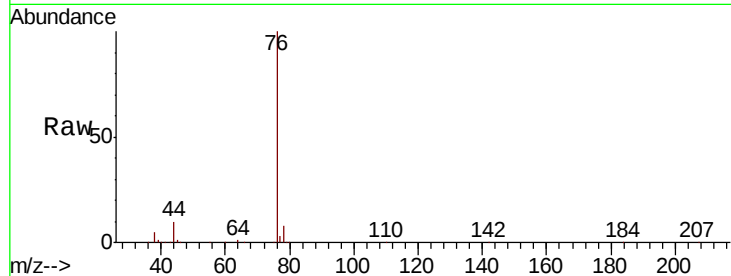




#17
Carbon Disulfide
Concen: 19.354 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

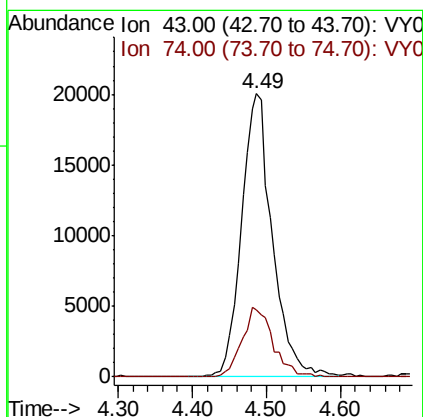
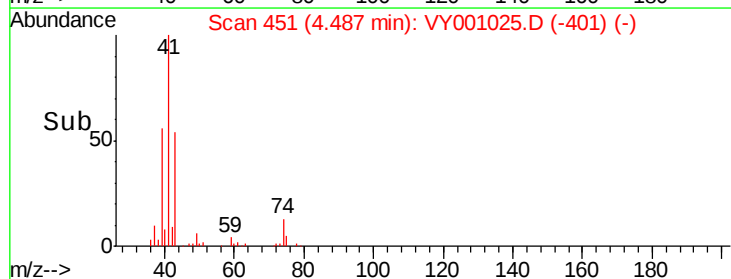
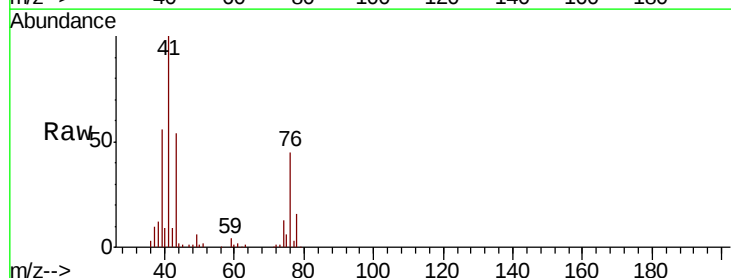
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

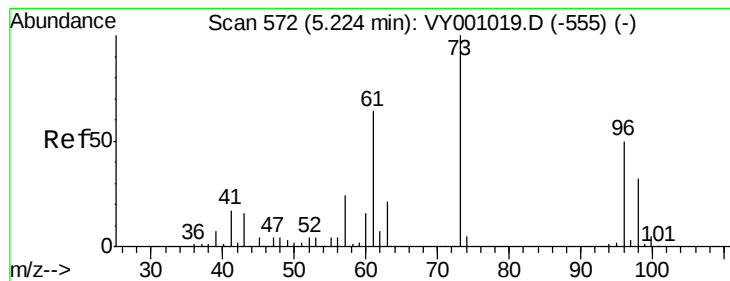
Tot Ion: 76 Resp: 248506
Ion Ratio Lower Upper
76 100
78 8.3 6.7 10.1



#18
Methyl Acetate
Concen: 19.063 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 43 Resp: 58122
Ion Ratio Lower Upper
43 100
74 24.7 20.7 31.1



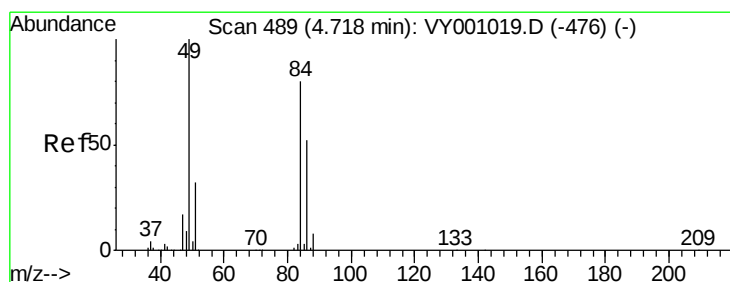
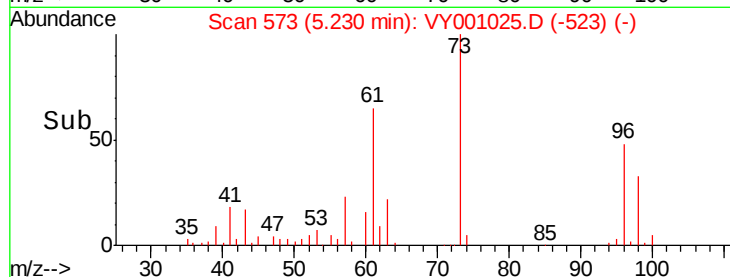
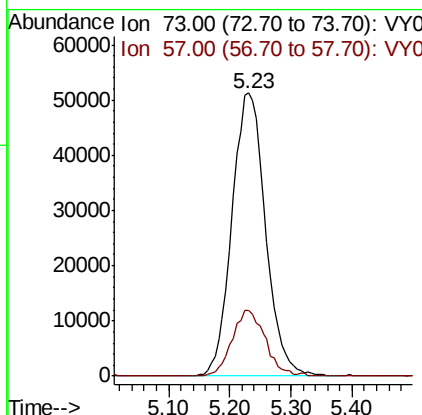
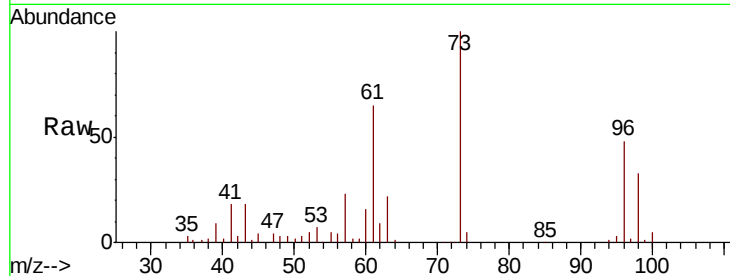


#19

Methyl tert-butyl Ether
 Concen: 19.198 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

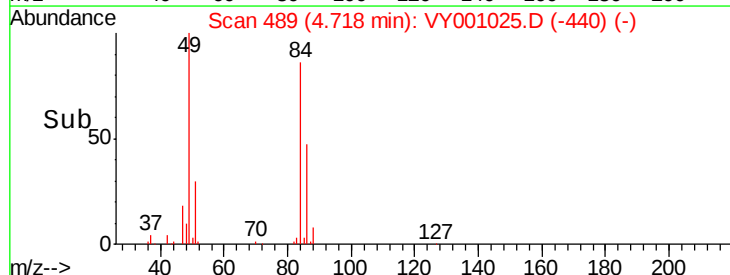
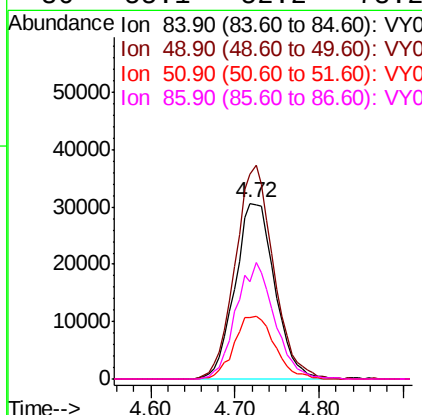
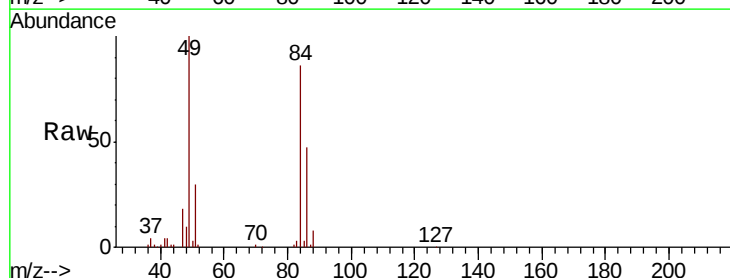
Tot Ion: 73 Resp: 194699
 Ion Ratio Lower Upper
 73 100
 57 23.4 19.0 28.6

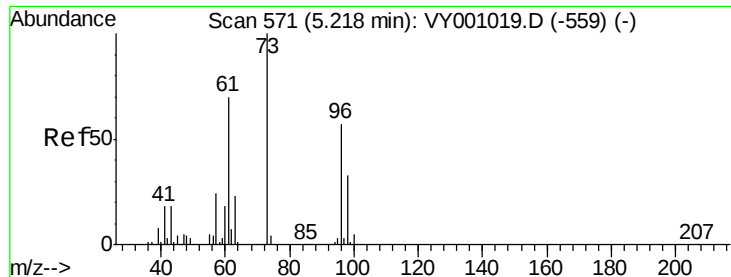


#20

Methylene Chloride
 Concen: 20.955 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion: 84 Resp: 98023
 Ion Ratio Lower Upper
 84 100
 49 116.7 99.8 149.6
 51 34.8 31.4 47.2
 86 55.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

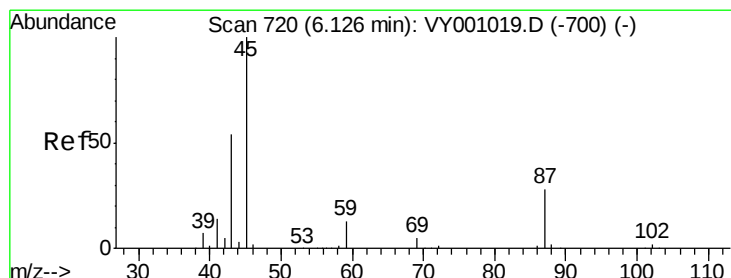
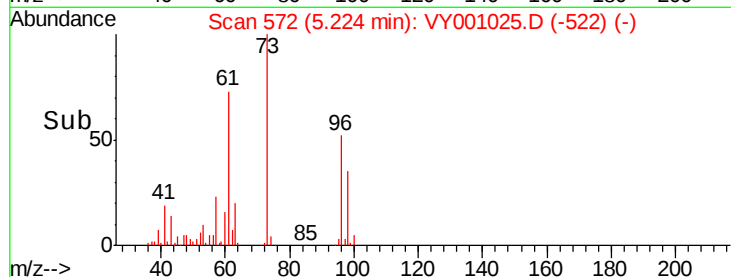
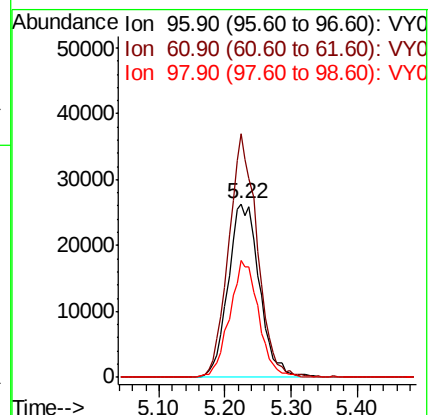
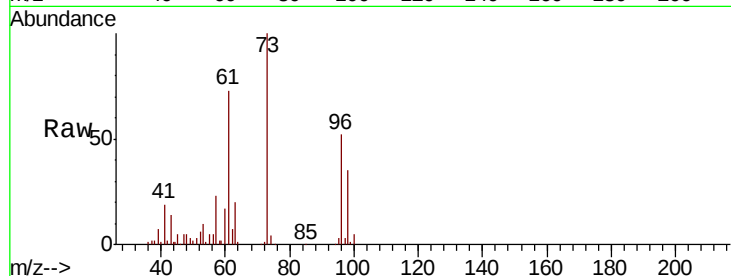
Tot Ion: 96 Resp: 85973

Ion Ratio Lower Upper

96 100

61 140.3 98.1 147.1

98 67.4 47.2 70.8



#22

Diisopropyl ether

Concen: 19.426 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Tgt Ion: 45 Resp: 239691

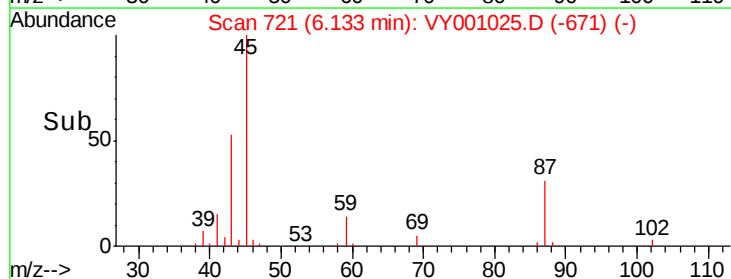
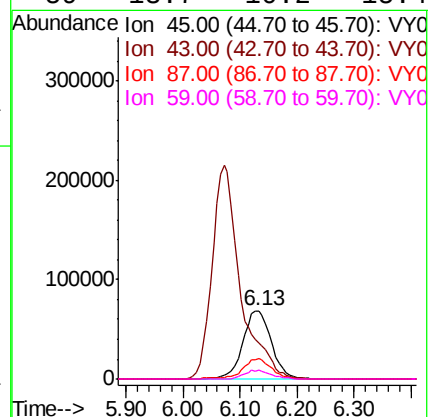
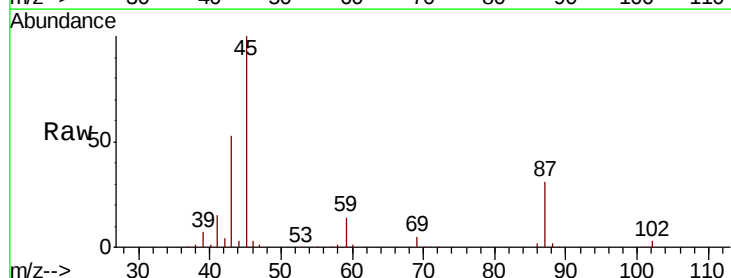
Ion Ratio Lower Upper

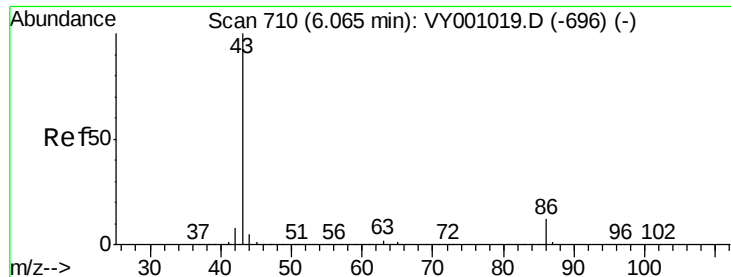
45 100

43 52.8 43.6 65.4

87 30.6 23.1 34.7

59 13.7 10.2 15.4





#23

Vinyl Acetate

Concen: 95.191 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

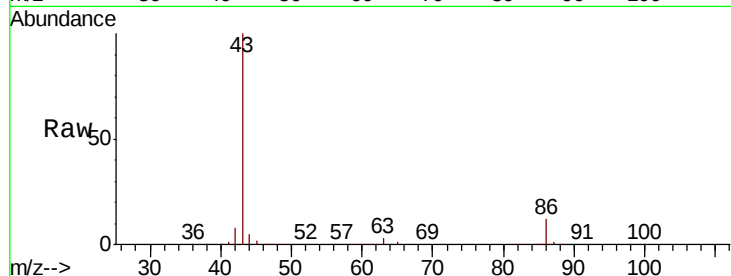
VY1223SBS01

Tot Ion: 43 Resp: 741749

Ion Ratio Lower Upper

43 100

86 11.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-696) (-)

Ion 86.00 (85.70 to 86.70): VY001019.D (-696) (-)

6.07

250000

200000

150000

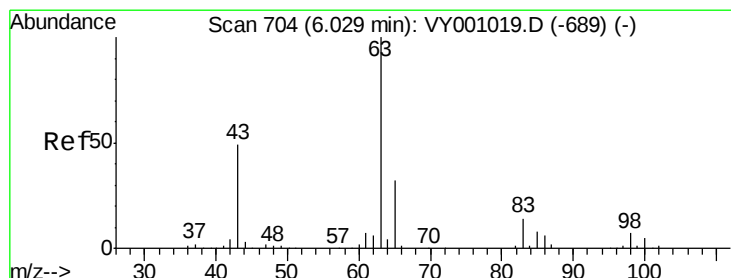
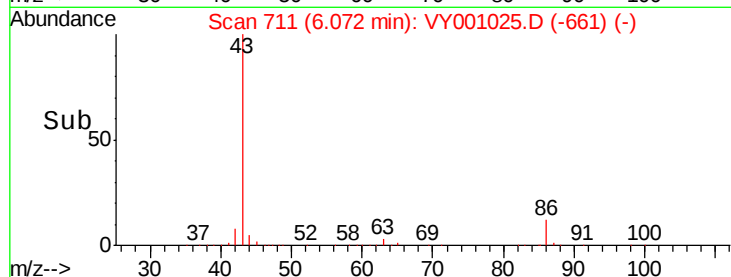
100000

50000

0

5.90 6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 19.150 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

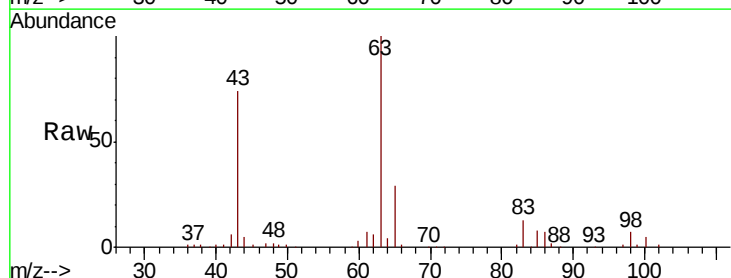
Tgt Ion: 63 Resp: 139629

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 4.6 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY001019.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VY001019.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VY001019.D (-689) (-)

6.04

60000

50000

40000

30000

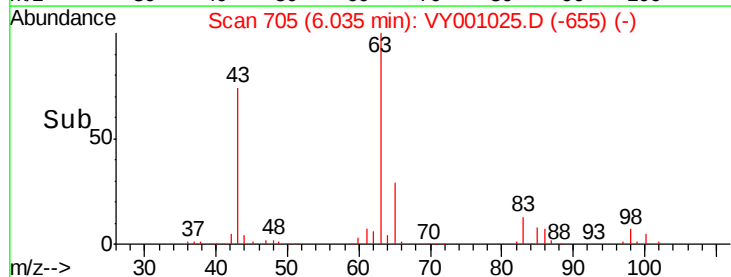
20000

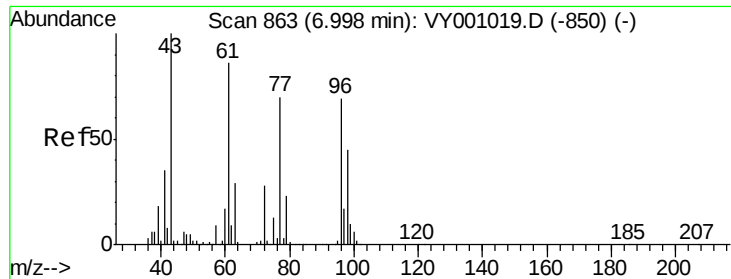
10000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 96.768 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

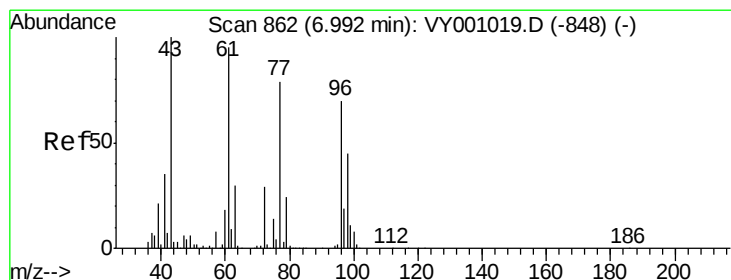
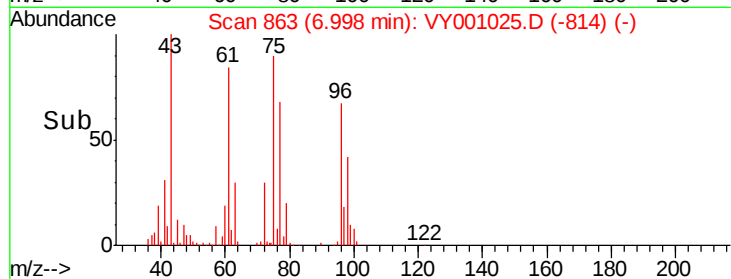
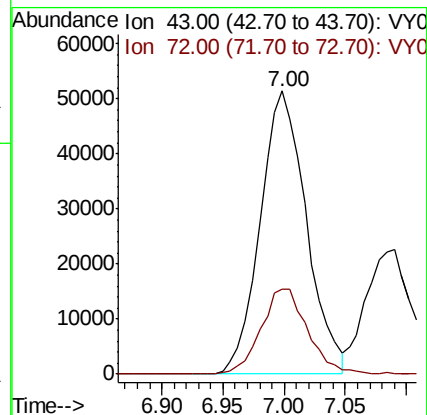
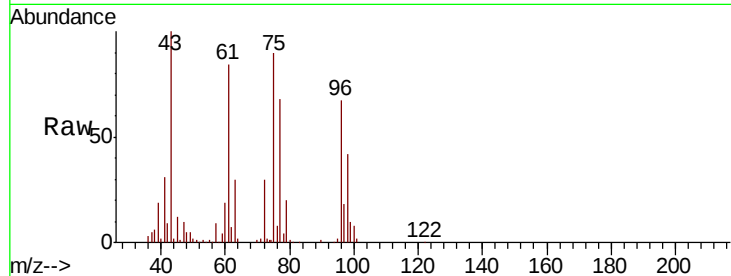
VY1223SBS01

Tot Ion: 43 Resp: 135100

Ion Ratio Lower Upper

43 100

72 29.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 19.349 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001025.D

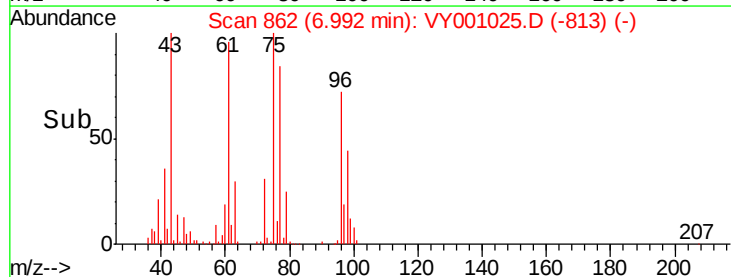
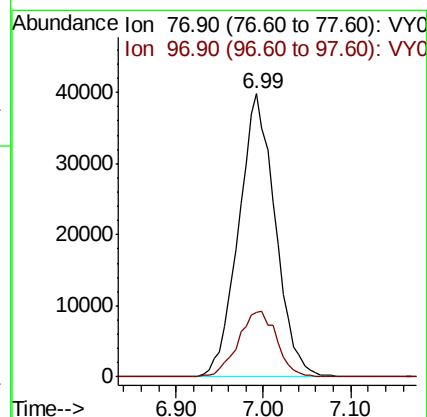
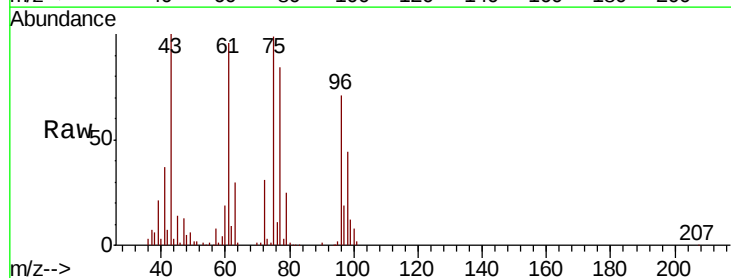
Acq: 23 Dec 2019 14:01

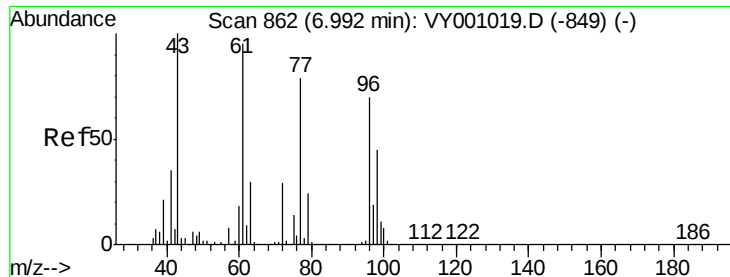
Tgt Ion: 77 Resp: 115911

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1



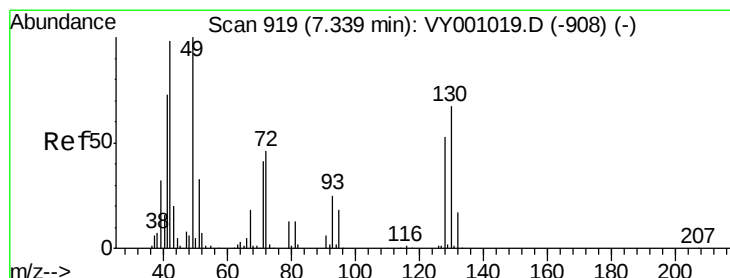
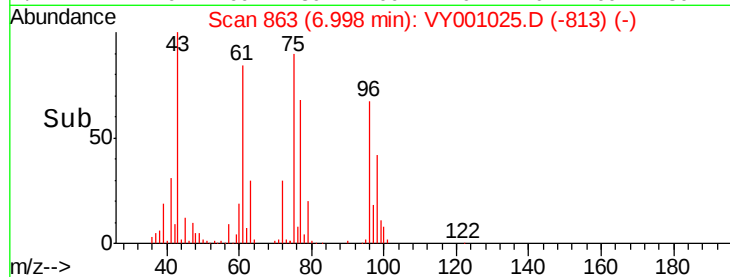
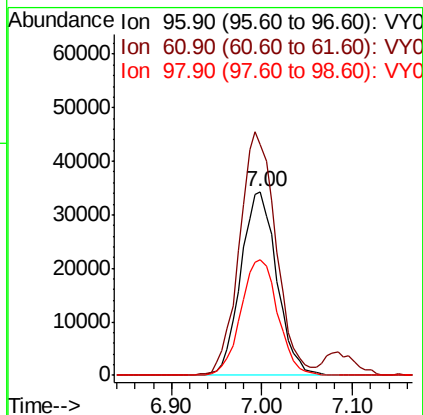
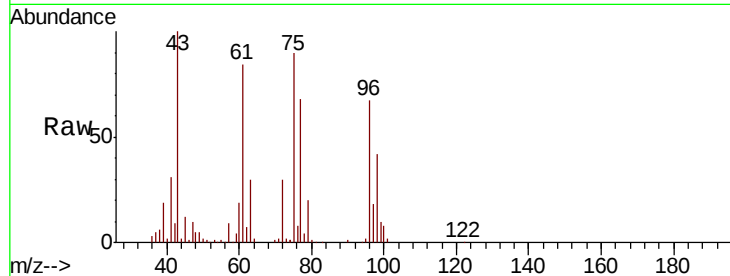


#27

cis-1,2-Dichloroethene
Concen: 19.722 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

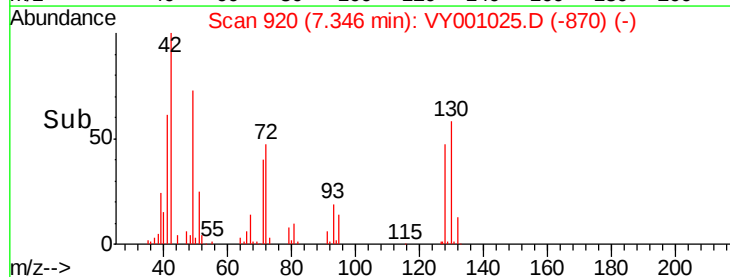
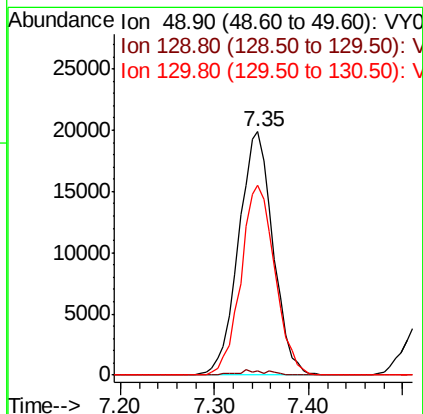
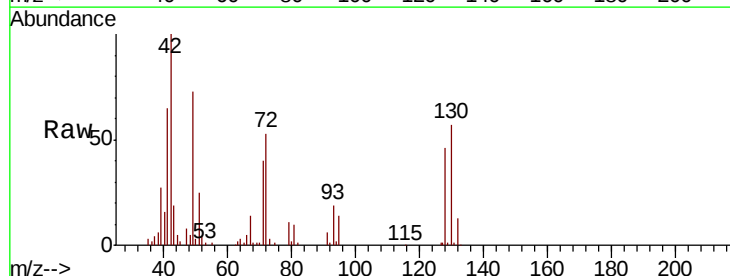
Tot Ion: 96 Resp: 94358
Ion Ratio Lower Upper
96 100
61 134.4 0.0 268.2
98 64.6 0.0 129.2

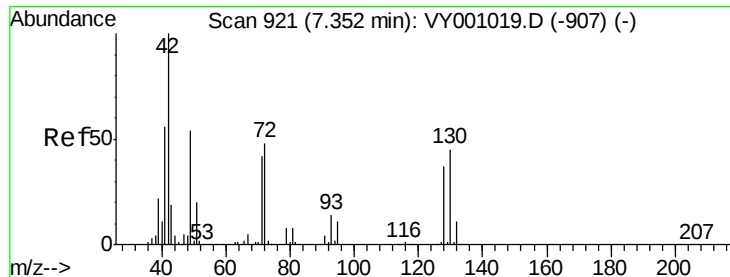


#28

Bromochloromethane
Concen: 17.862 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 49 Resp: 50817
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.8
130 76.7 60.4 90.6

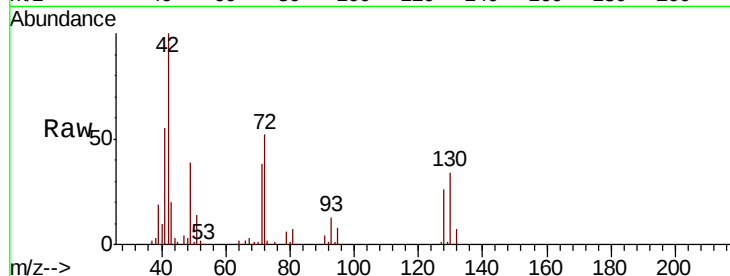




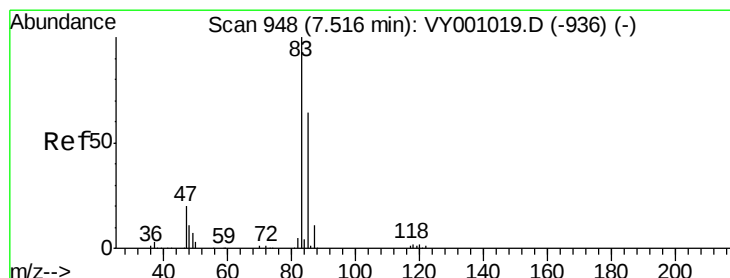
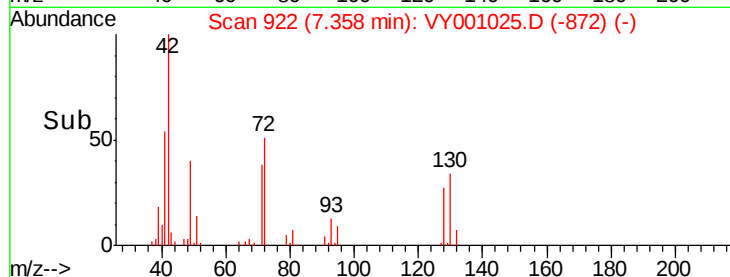
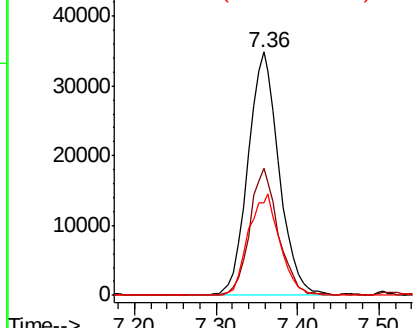
#29
Tetrahydrofuran
Concen: 93.307 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tot Ion: 42 Resp: 92663
Ion Ratio Lower Upper
42 100
72 48.2 37.7 56.5
71 41.9 34.6 51.8

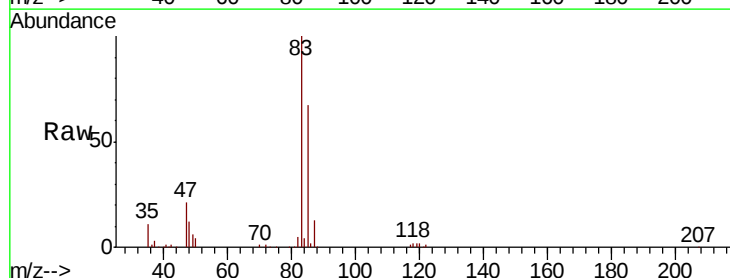


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

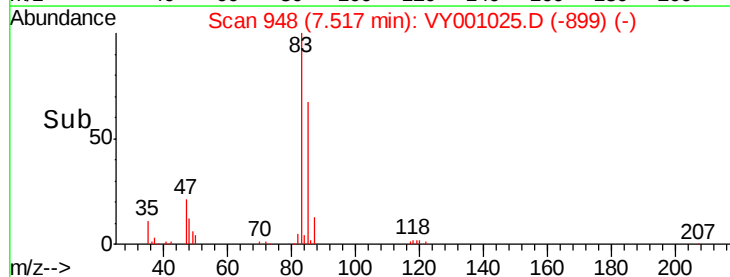
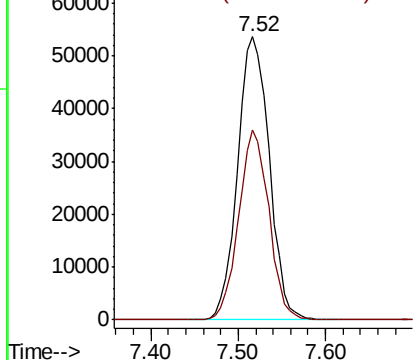


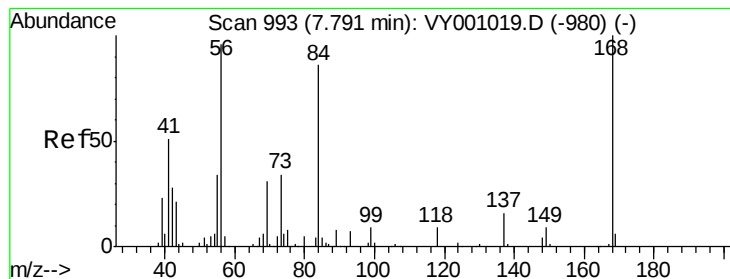
#30
Chloroform
Concen: 19.546 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 83 Resp: 134764
Ion Ratio Lower Upper
83 100
85 67.1 51.6 77.4



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





#31

Cyclohexane

Concen: 19.208 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

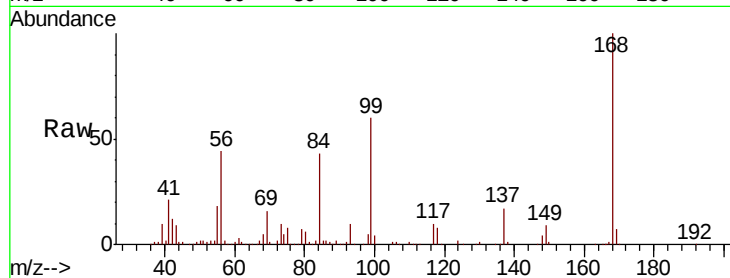
Tot Ion: 56 Resp: 147273

Ion Ratio Lower Upper

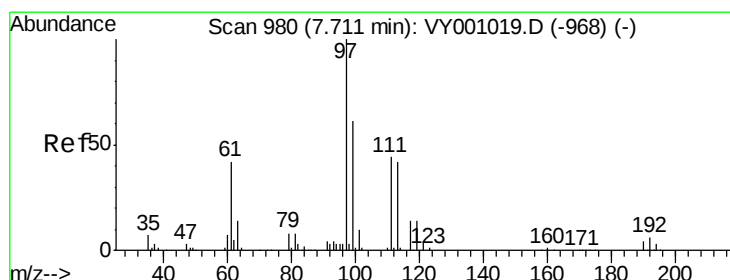
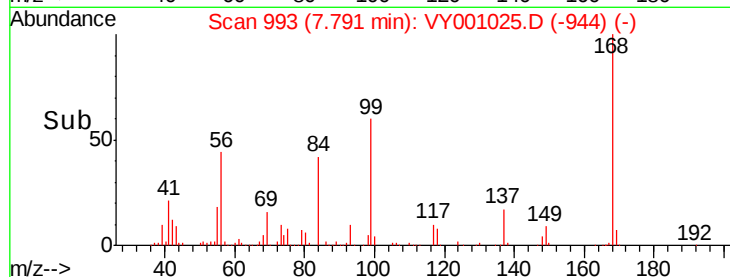
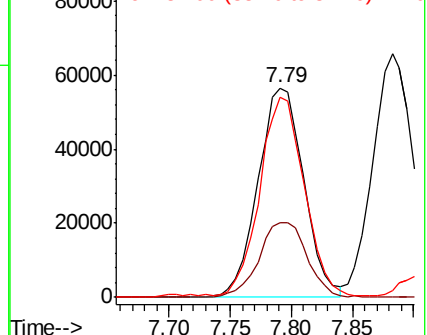
56 100

69 35.5 26.1 39.1

84 94.5 71.8 107.8



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: 19.482 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

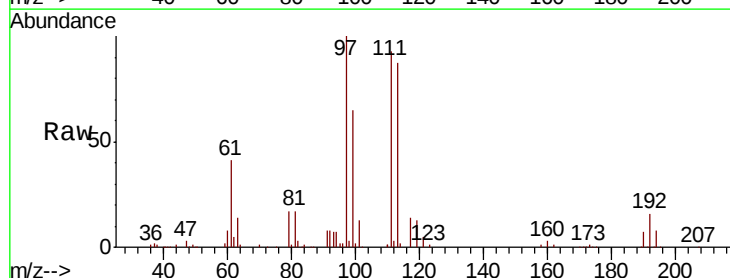
Tgt Ion: 97 Resp: 114583

Ion Ratio Lower Upper

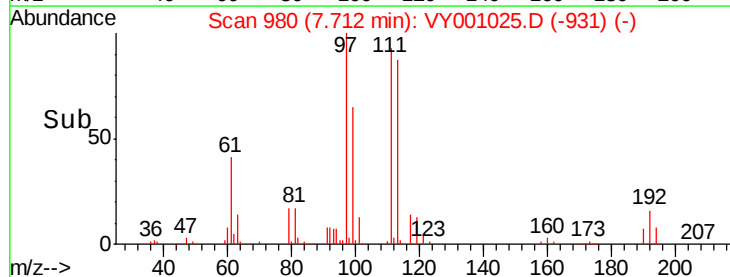
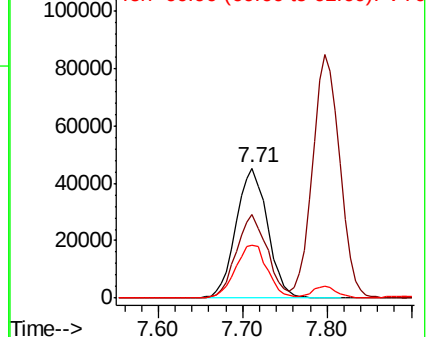
97 100

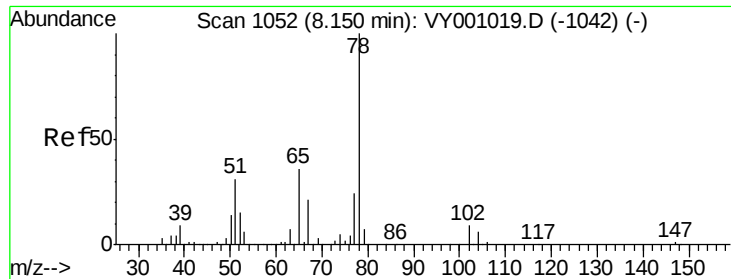
99 62.9 50.6 76.0

61 41.4 33.0 49.6



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: 49.993 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

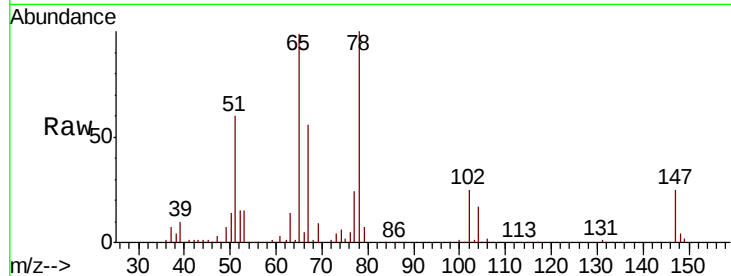
VY1223SBS01

Tot Ion: 65 Resp: 172460

Ion Ratio Lower Upper

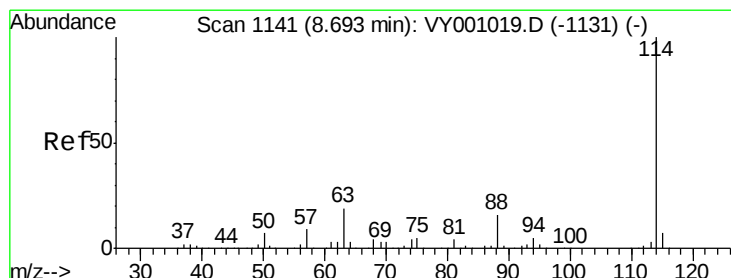
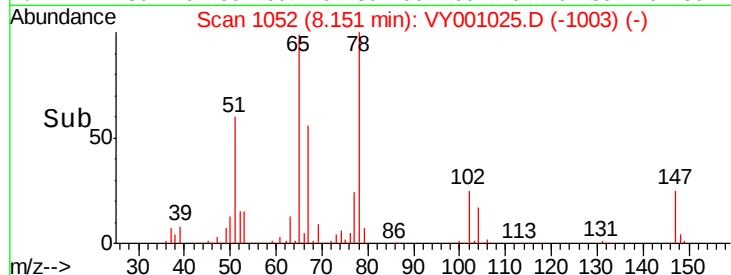
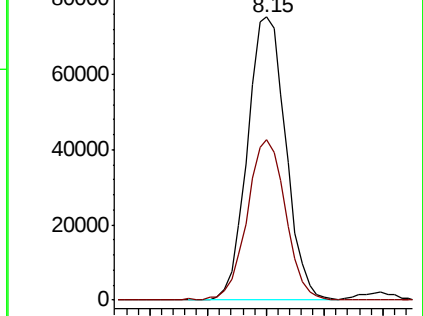
65 100

67 56.9 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

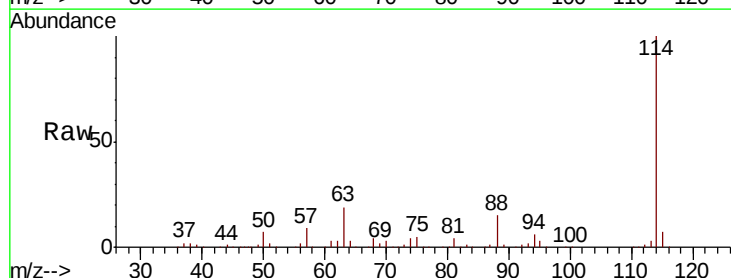
Tgt Ion:114 Resp: 603924

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.0

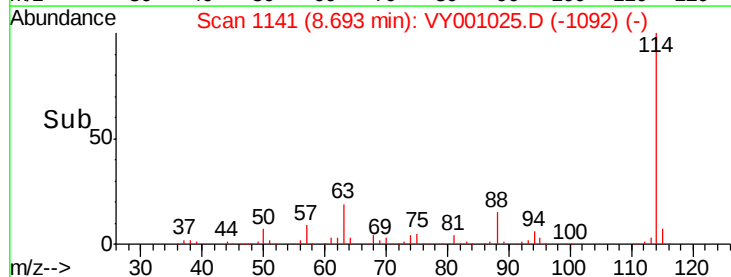
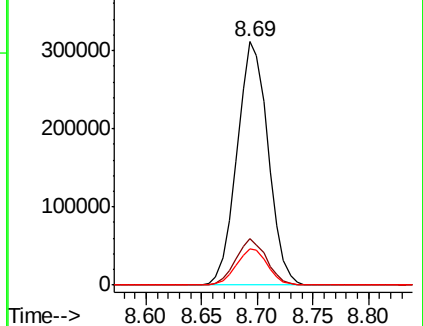
88 15.1 0.0 32.0

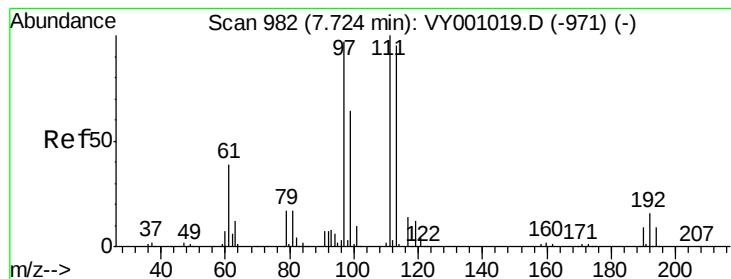


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.474 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

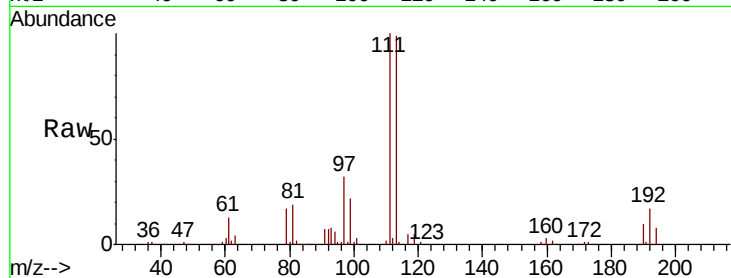
Tot Ion:113 Resp: 172385

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

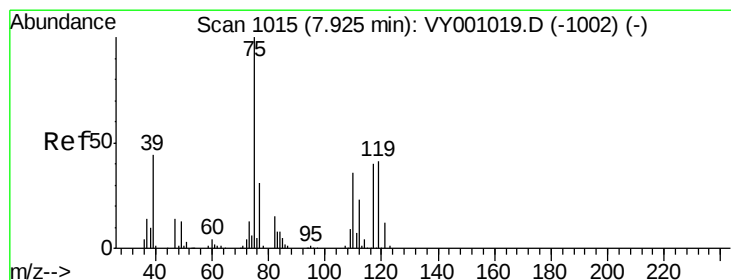
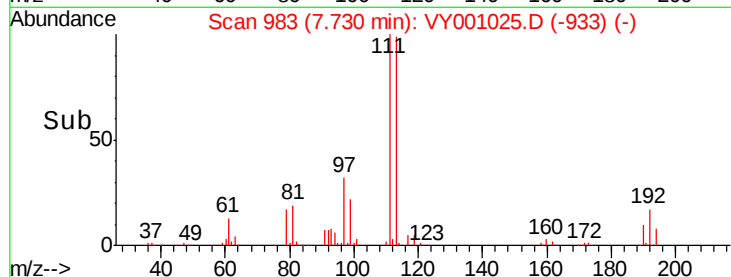
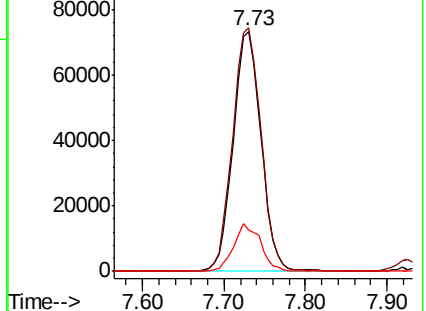
192 19.2 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.756 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

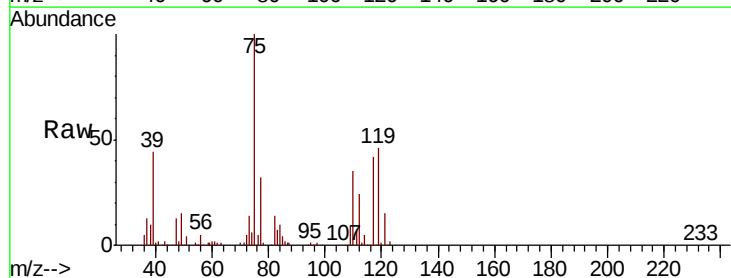
Tgt Ion: 75 Resp: 113821

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.4

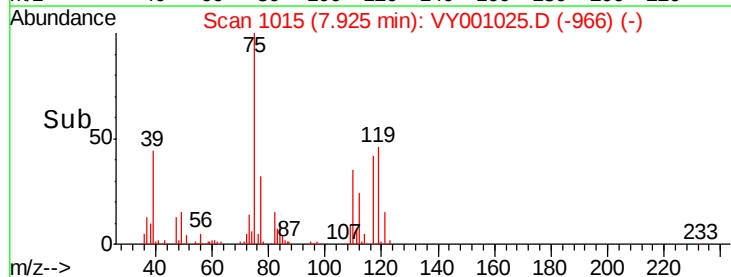
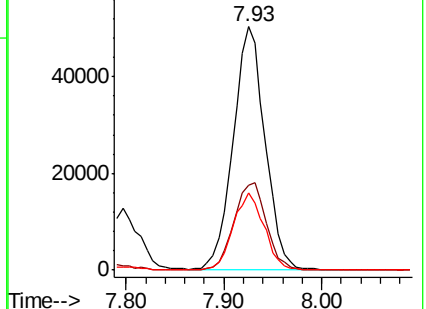
77 30.8 24.6 37.0

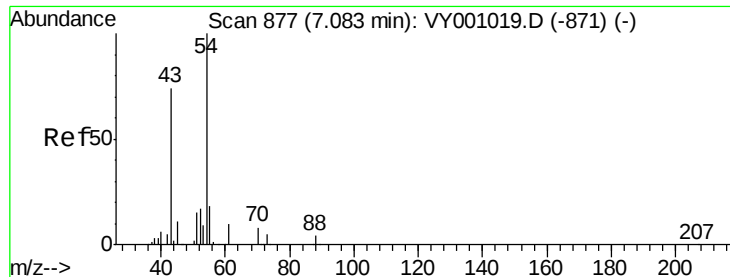


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

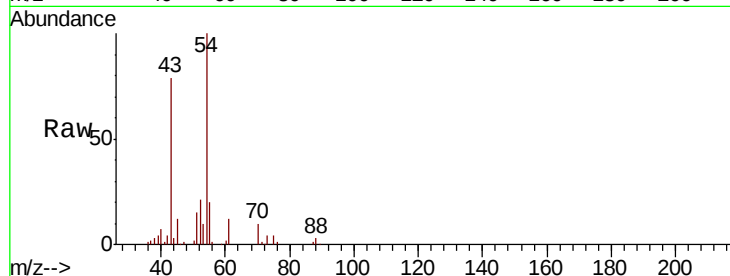




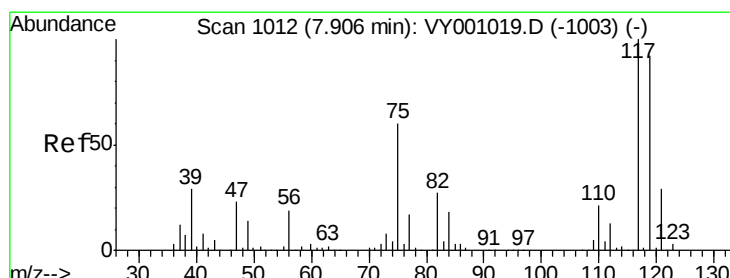
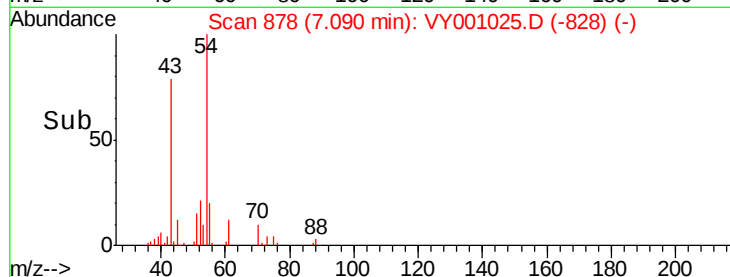
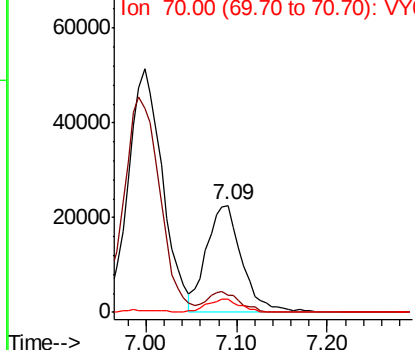
#37
Ethyl Acetate
Concen: 19.261 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tot Ion: 43 Resp: 61445
Ion Ratio Lower Upper
43 100
61 17.7 12.5 18.7
70 11.5 9.0 13.4

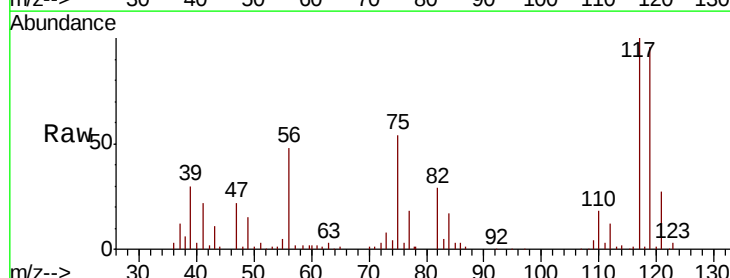


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

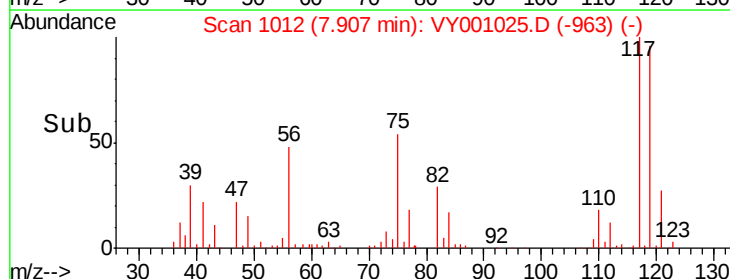
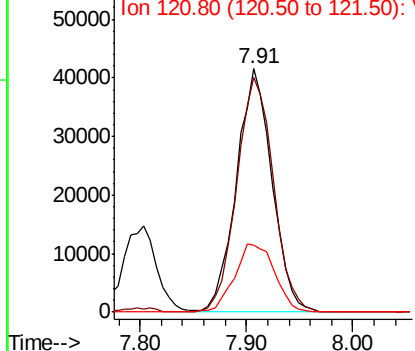


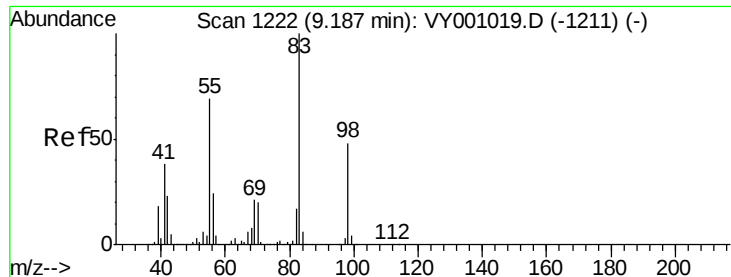
#38
Carbon Tetrachloride
Concen: 19.367 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 117 Resp: 97759
Ion Ratio Lower Upper
117 100
119 96.4 74.2 111.2
121 27.4 22.9 34.3



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

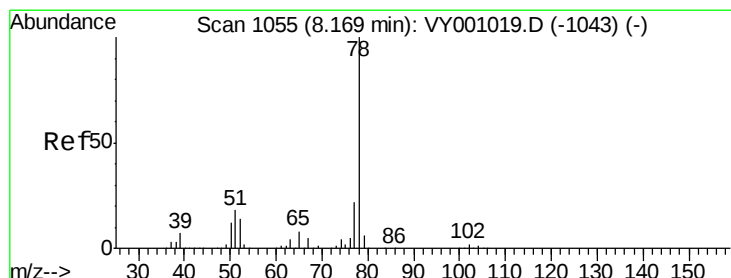
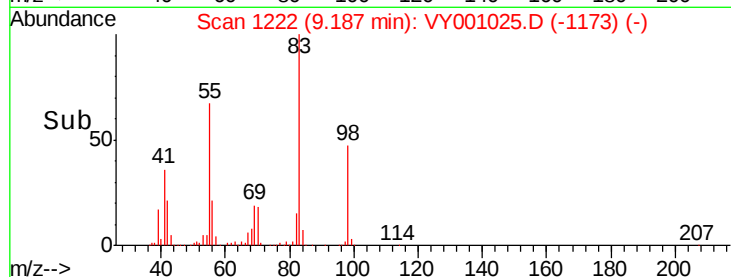
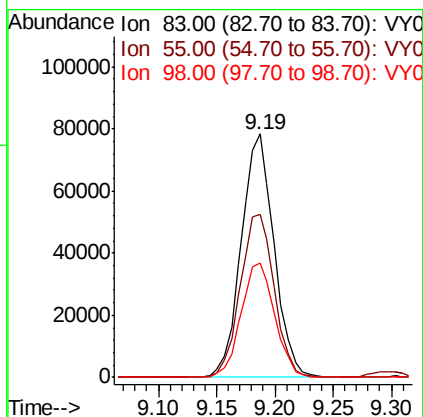
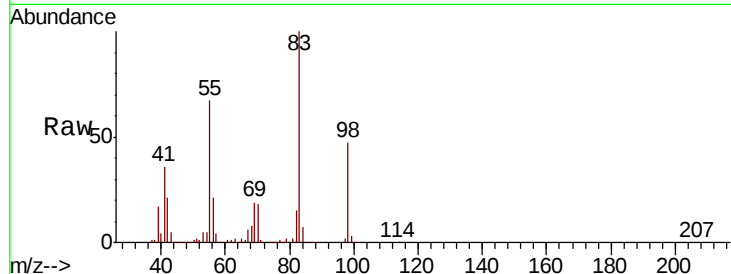




#39
Methvlcvclohexane
Concen: 20.078 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

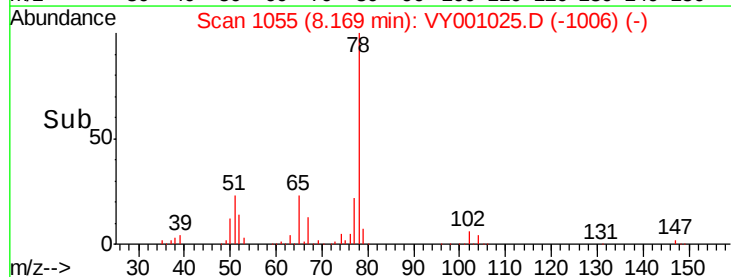
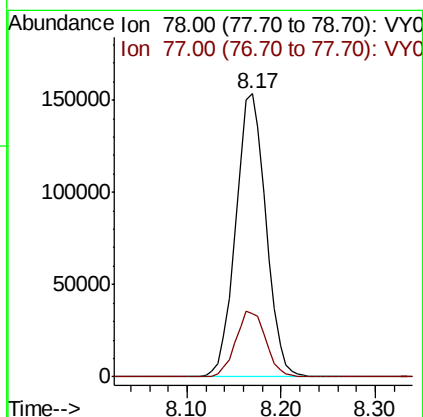
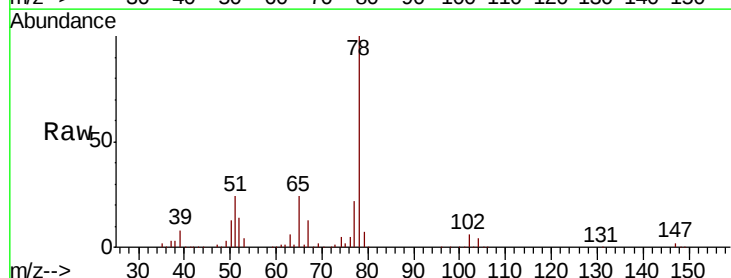
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

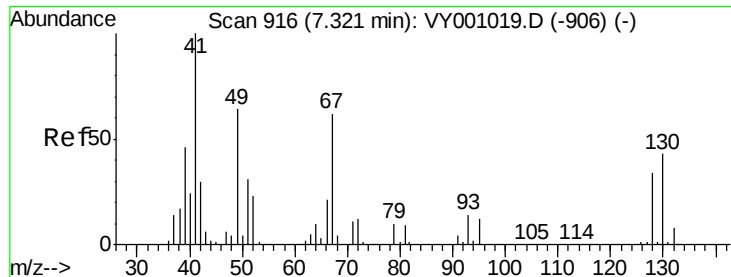
Tot Ion: 83 Resp: 153612
Ion Ratio Lower Upper
83 100
55 66.8 55.1 82.7
98 47.1 38.3 57.5



#40
Benzene
Concen: 19.691 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 78 Resp: 342255
Ion Ratio Lower Upper
78 100
77 22.2 17.7 26.5

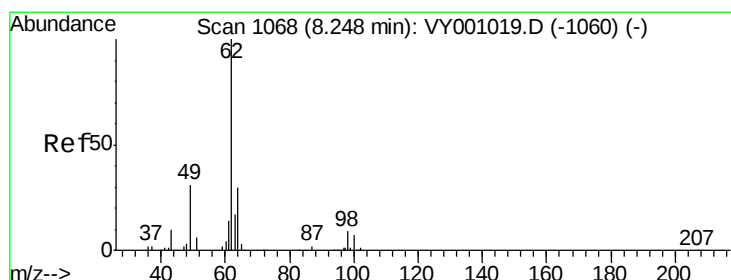
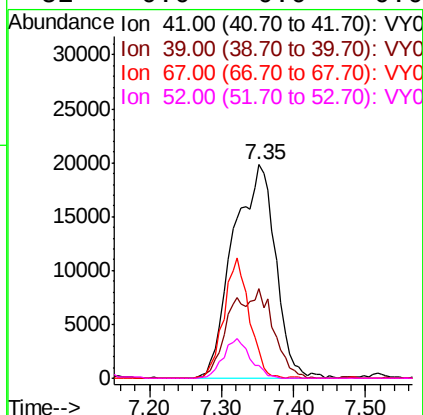
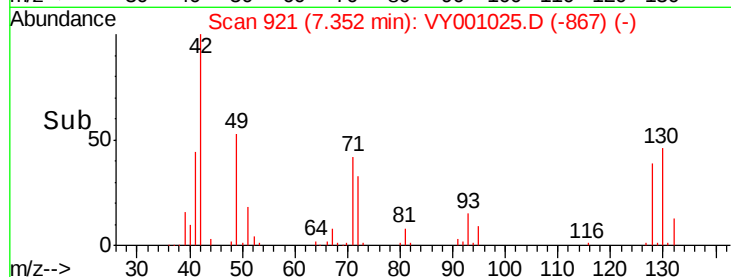
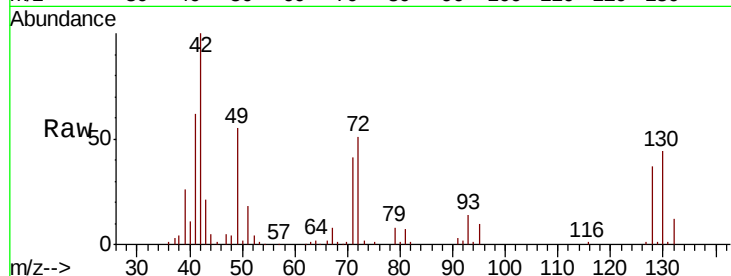




#41
Methacrylonitrile
Concen: 58.744 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

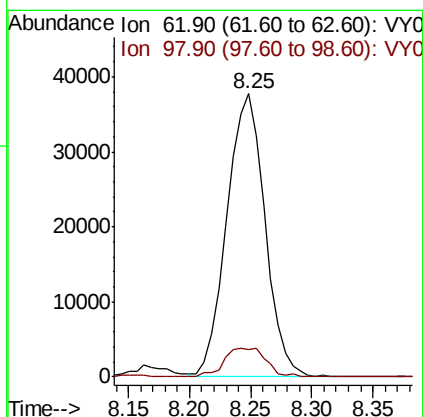
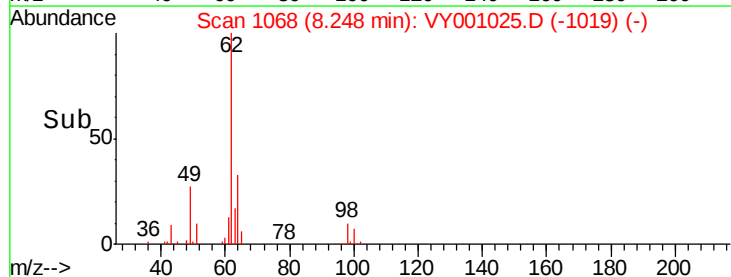
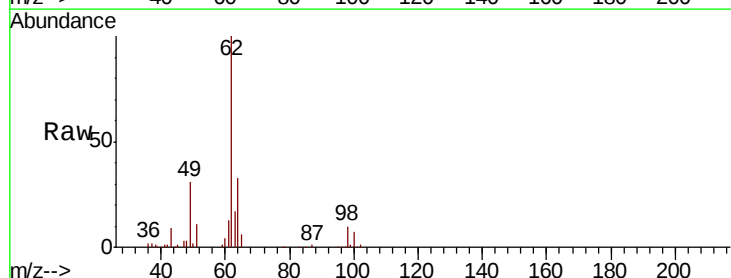
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

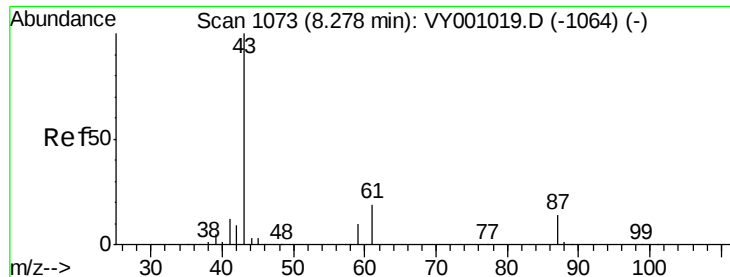
Tot Ion:	41	Resp:	81248
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.534 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion:	62	Resp:	81177
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	23.4





#43

Isopropyl Acetate

Concen: 18.957 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

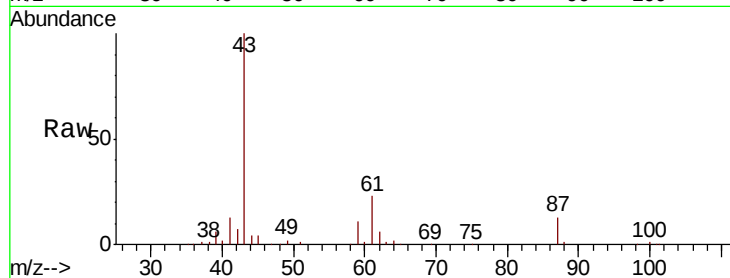
Tot Ion: 43 Resp: 111952

Ion Ratio Lower Upper

43 100

61 31.4 25.0 37.6

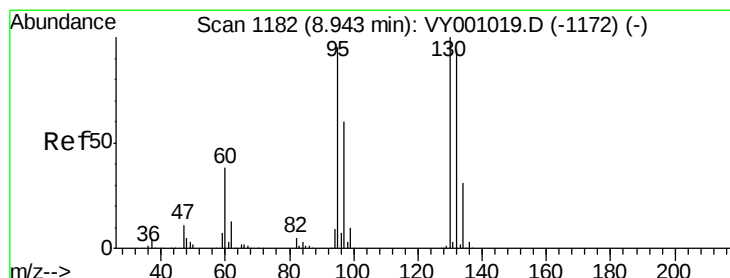
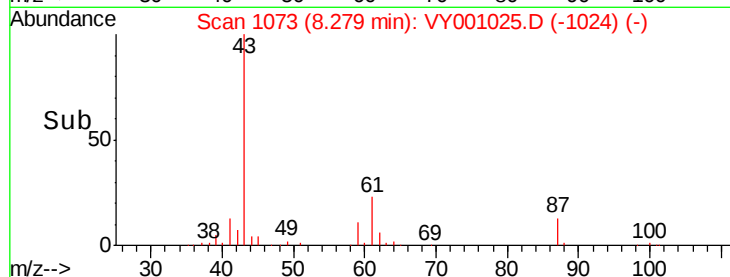
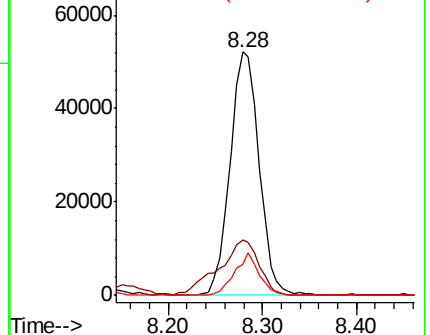
87 14.8 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 19.890 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001025.D

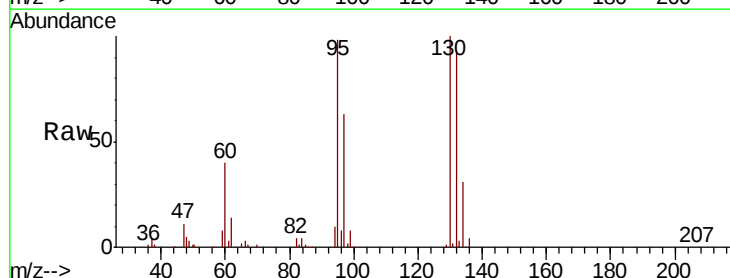
Acq: 23 Dec 2019 14:01

Tgt Ion:130 Resp: 91090

Ion Ratio Lower Upper

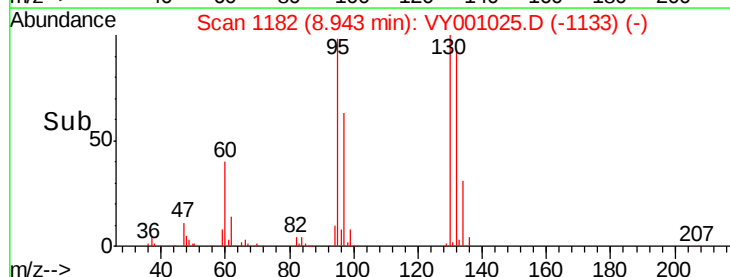
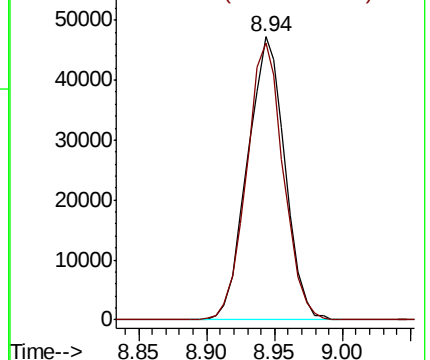
130 100

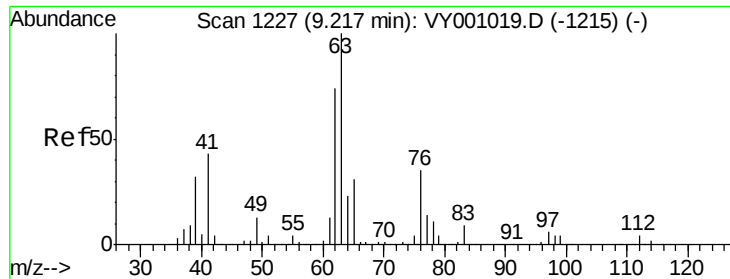
95 97.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)

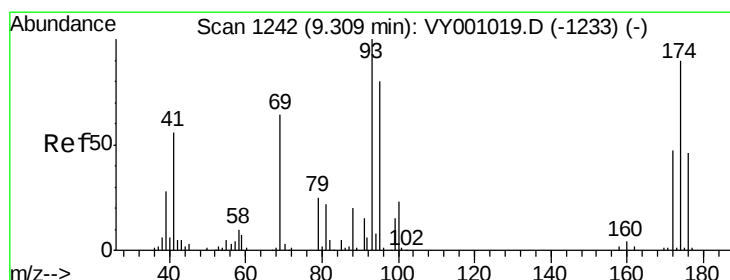
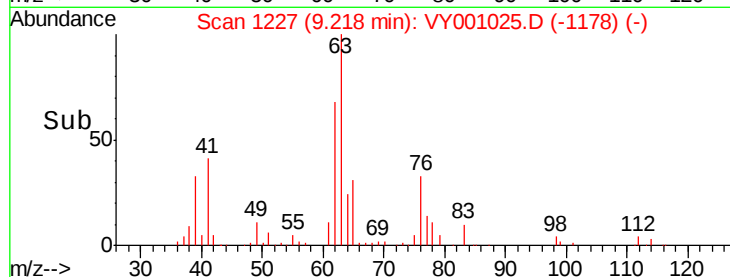
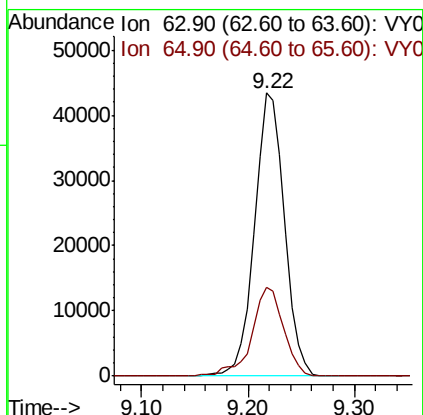
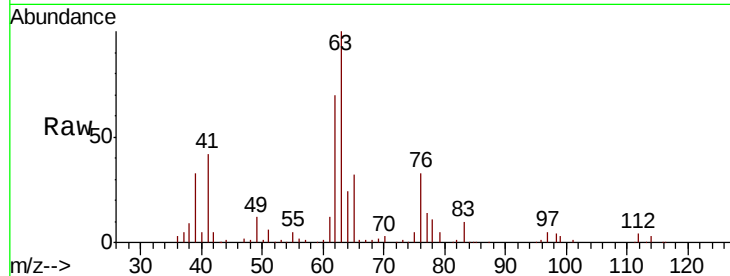




#45
 1,2-Dichloropropane
 Concen: 19.618 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

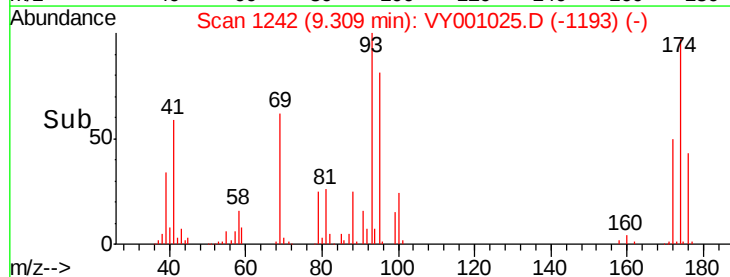
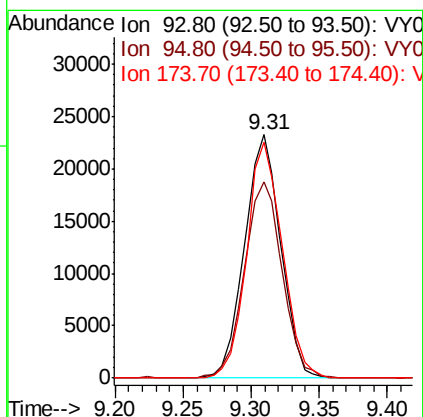
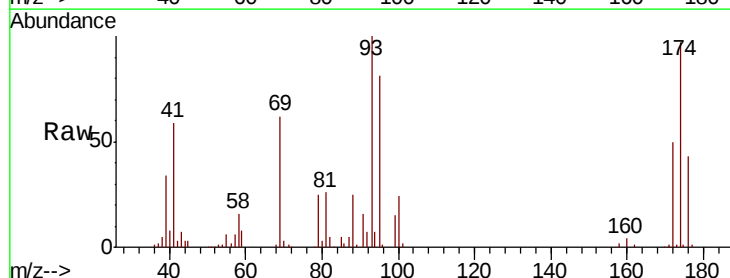
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

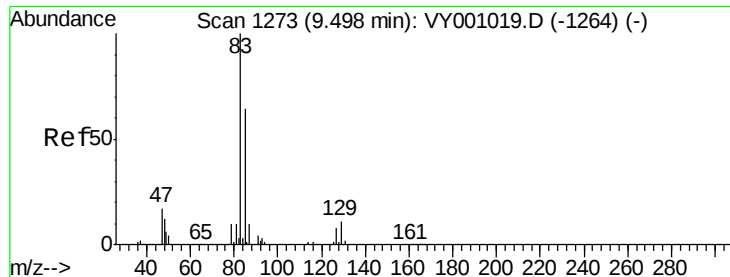
Tot Ion: 63 Resp: 85544
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.1 37.7



#46
 Dibromomethane
 Concen: 19.298 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion: 93 Resp: 43377
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 95.4 73.6 110.4





#47

Bromodichloromethane

Concen: 19.253 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

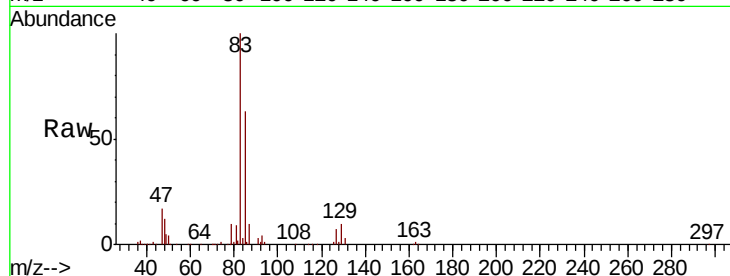
Tot Ion: 83 Resp: 100244

Ion Ratio Lower Upper

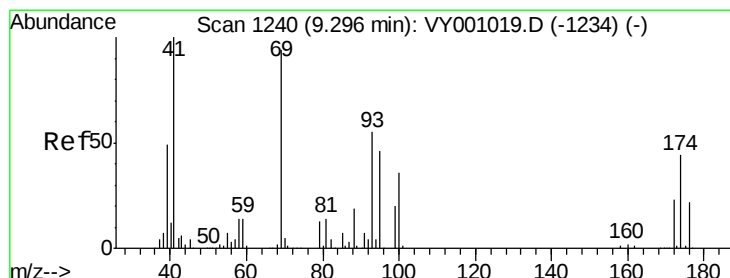
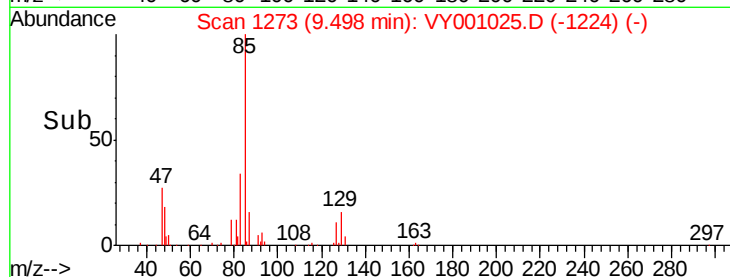
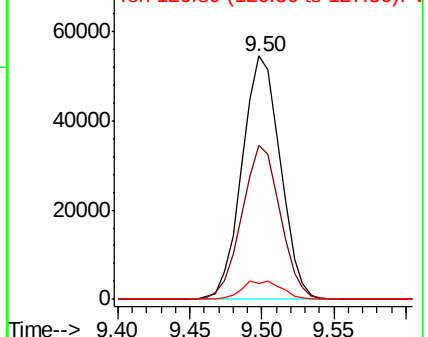
83 100

85 63.5 50.9 76.3

127 6.7 6.4 9.6



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



#48

Methyl methacrylate

Concen: 18.527 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

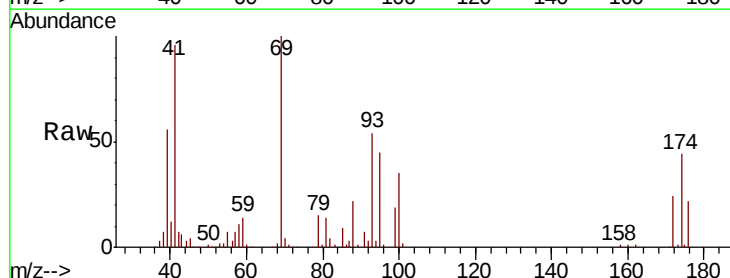
Tgt Ion: 41 Resp: 46689

Ion Ratio Lower Upper

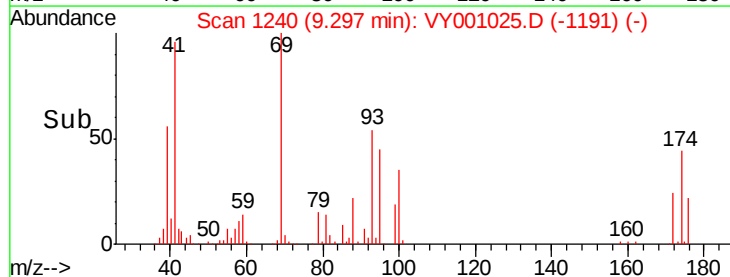
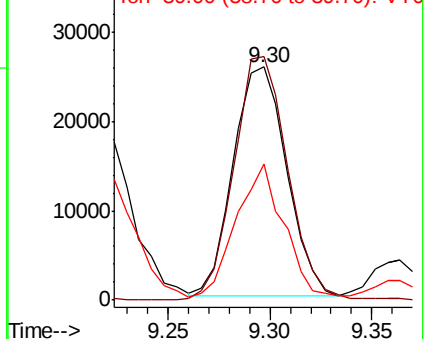
41 100

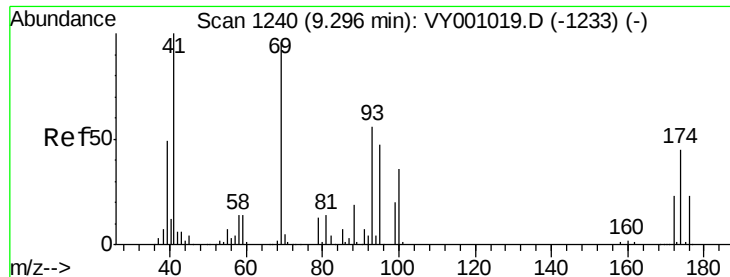
69 107.4 79.8 119.6

39 54.6 41.7 62.5



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

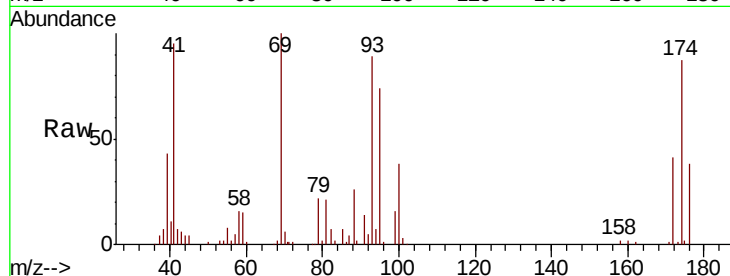




#49
1,4-Dioxane
Concen: 433.508 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tot Ion	88	Resp	14254
Ion	Ratio	Lower	Upper
88	100		
43	23.6	23.0	34.4
58	55.1	54.9	82.3

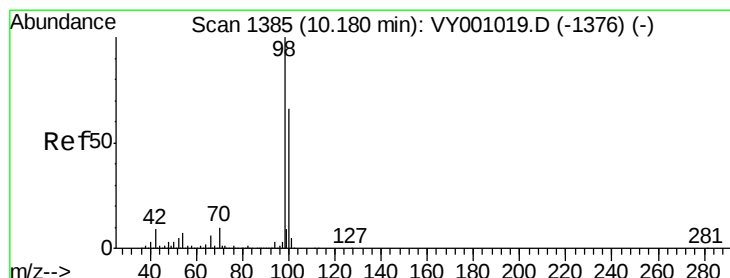
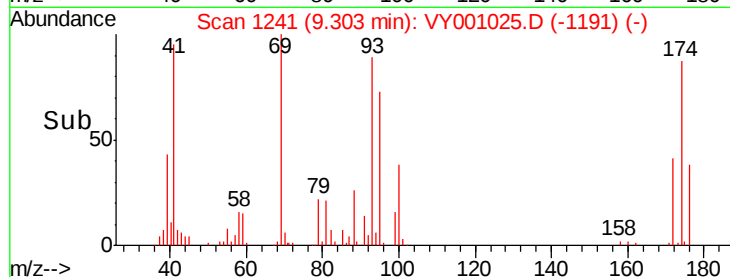
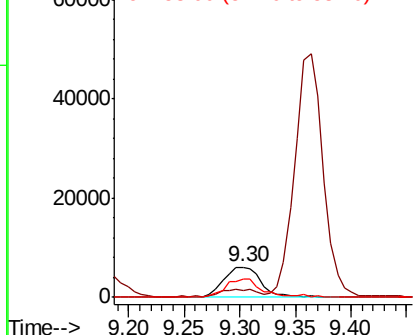


Abundance

Ion 88.00 (87.70 to 88.70): VY0

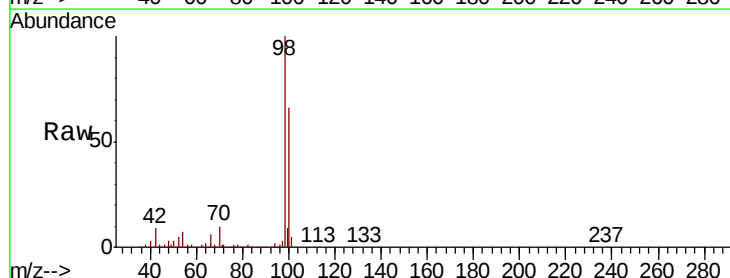
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 52.525 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

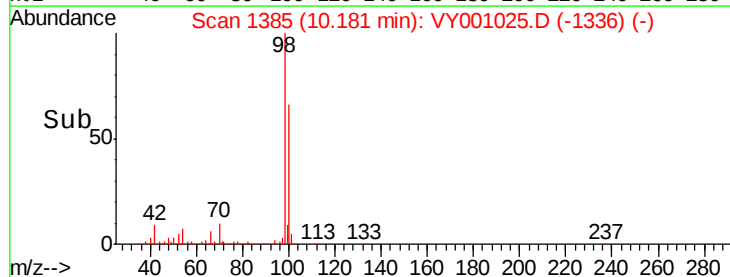
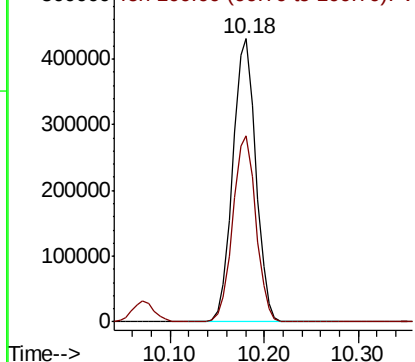
Tgt Ion	98	Resp	729972
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

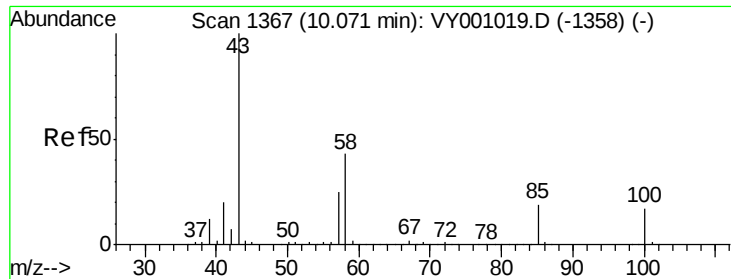


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 96.557 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

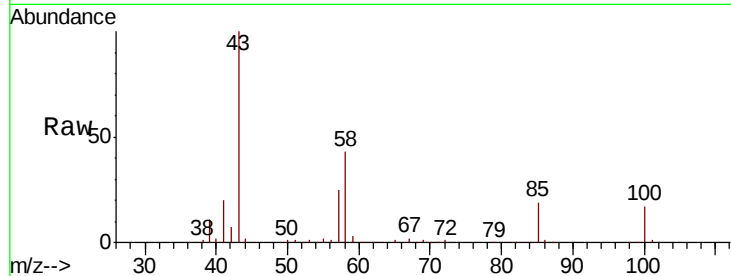
VY1223SBS01

Tot Ion: 43 Resp: 297203

Ion Ratio Lower Upper

43 100

58 43.5 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-1358) (-)

10.07

200000

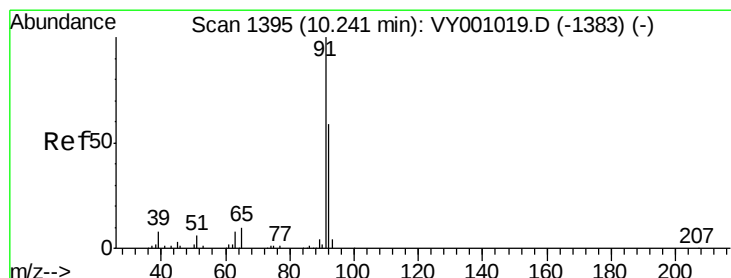
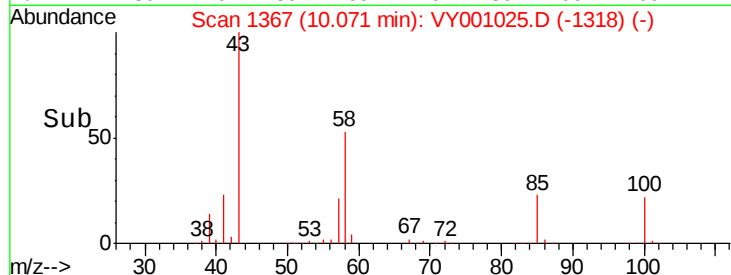
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.728 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001025.D

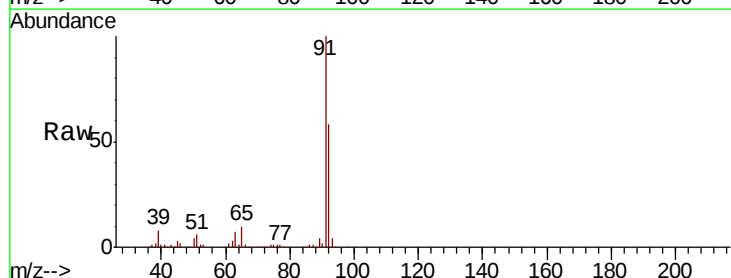
Acq: 23 Dec 2019 14:01

Tgt Ion: 92 Resp: 211049

Ion Ratio Lower Upper

92 100

91 171.3 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY001019.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001019.D (-1383) (-)

250000

200000

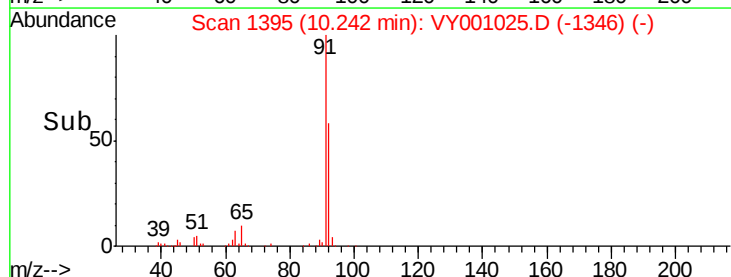
150000

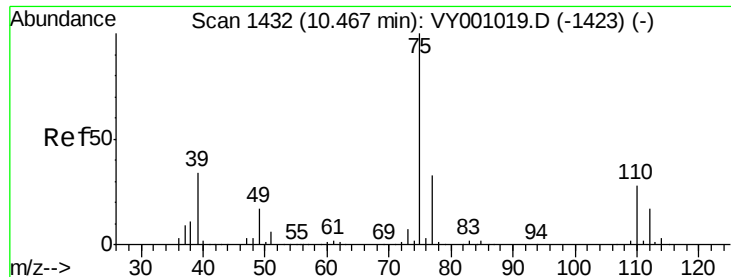
100000

50000

0

Time-->

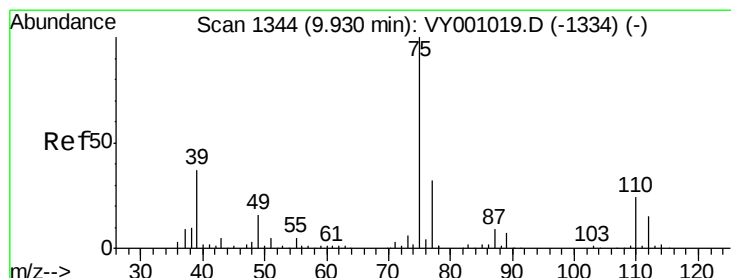
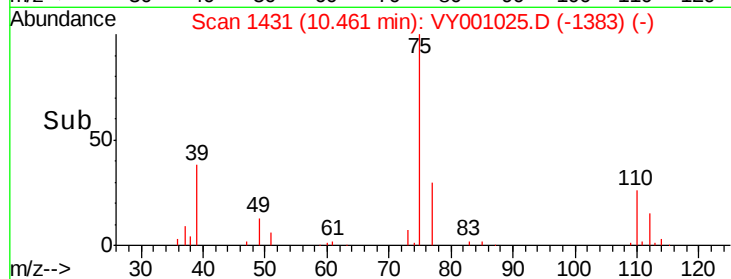
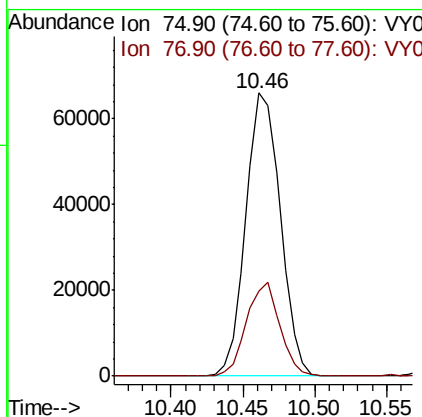
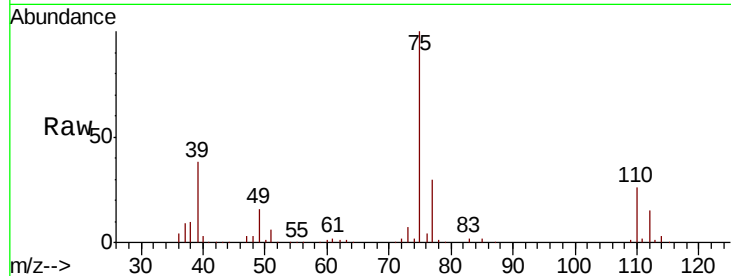




#53
 t-1,3-Dichloropropene
 Concen: 19.424 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

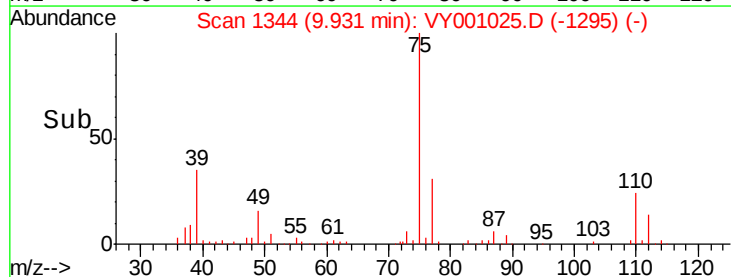
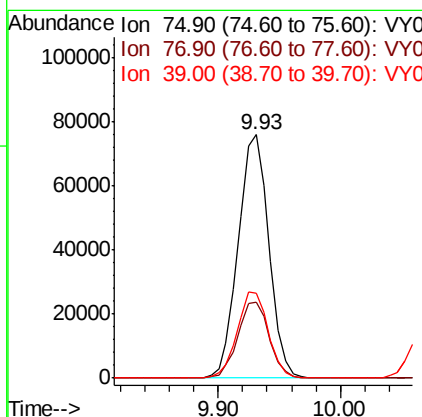
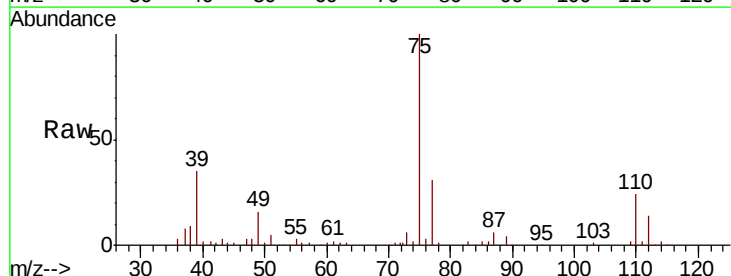
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

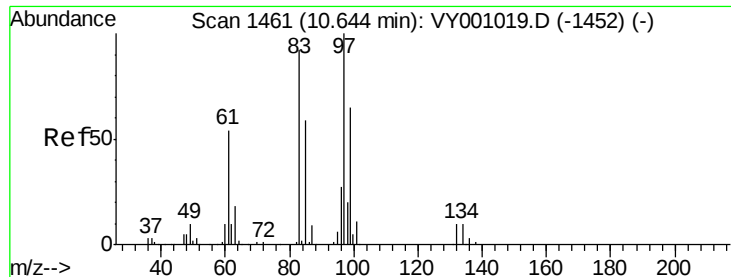
Tot Ion: 75 Resp: 109758
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.439 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion: 75 Resp: 132079
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 34.9 29.5 44.3





#55

1,1,2-Trichloroethane

Concen: 19.314 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

Tot Ion: 97 Resp: 64811

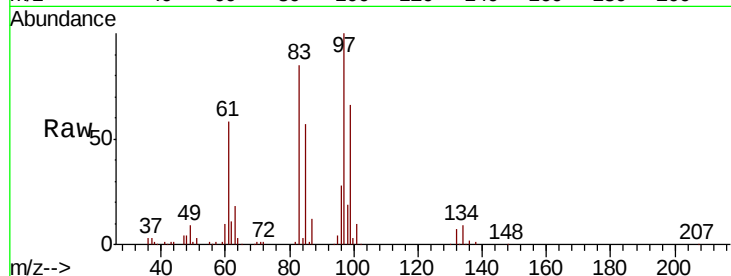
Ion Ratio Lower Upper

97 100

83 85.4 73.7 110.5

85 57.0 47.3 70.9

99 66.0 51.9 77.9

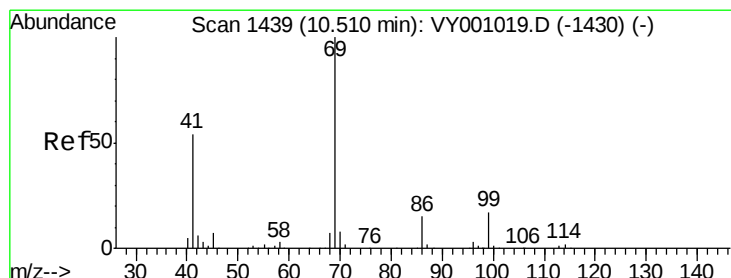
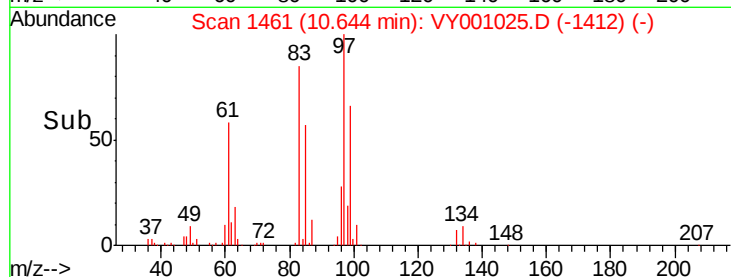
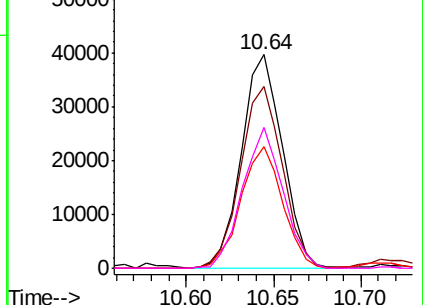


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 19.254 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

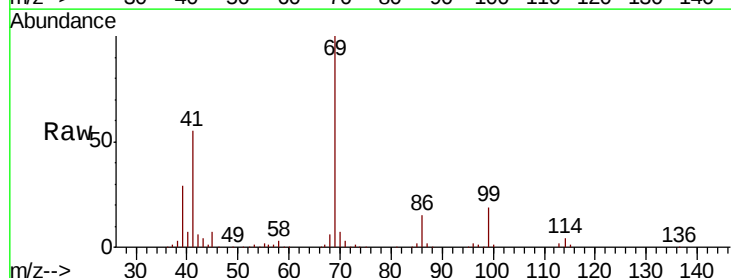
Tgt Ion: 69 Resp: 91953

Ion Ratio Lower Upper

69 100

41 57.1 44.7 67.1

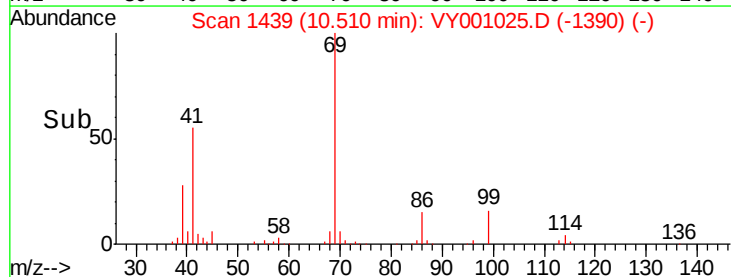
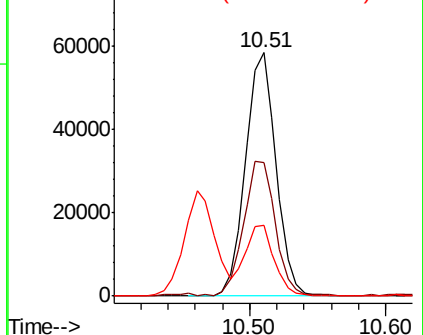
39 27.8 22.2 33.4

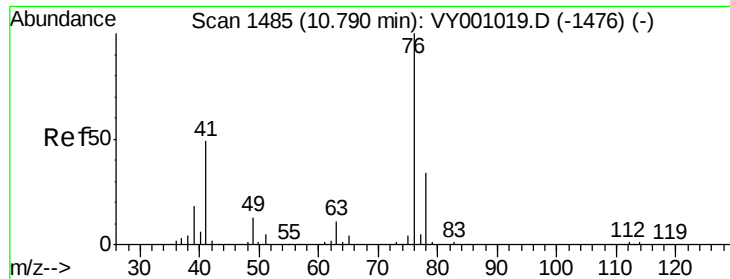


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 19.333 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

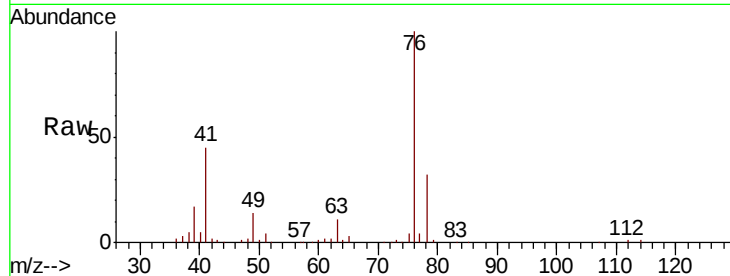
VY1223SBS01

Tot Ion: 76 Resp: 113710

Ion Ratio Lower Upper

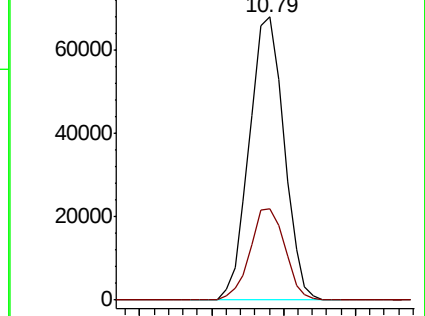
76 100

78 32.4 25.8 38.8

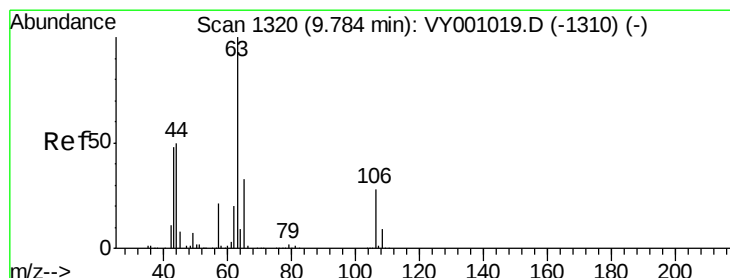
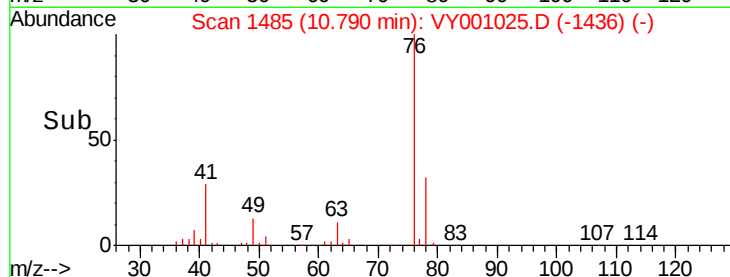


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.574 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001025.D

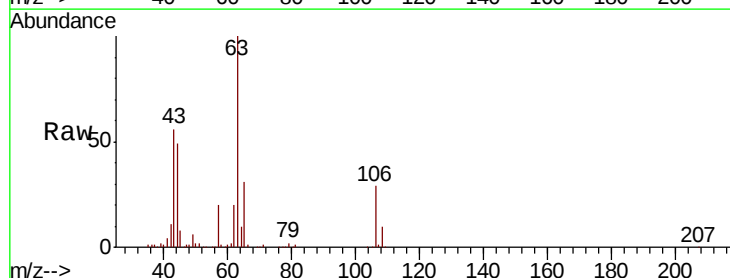
Acq: 23 Dec 2019 14:01

Tgt Ion: 63 Resp: 185519

Ion Ratio Lower Upper

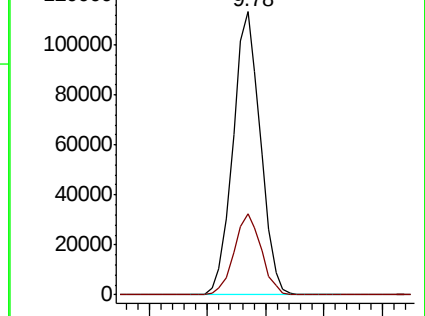
63 100

106 28.3 22.7 34.1

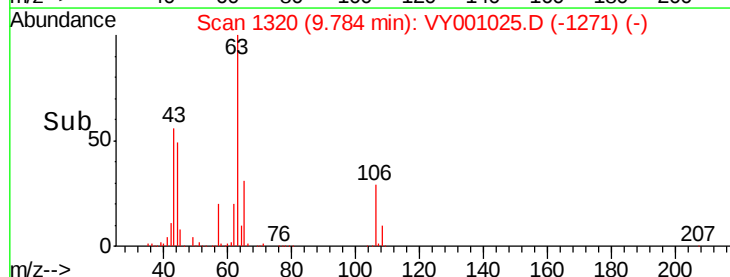


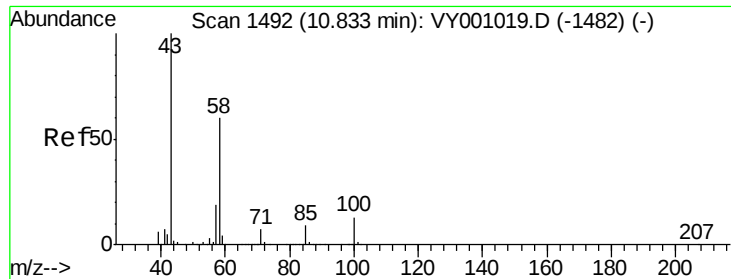
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->

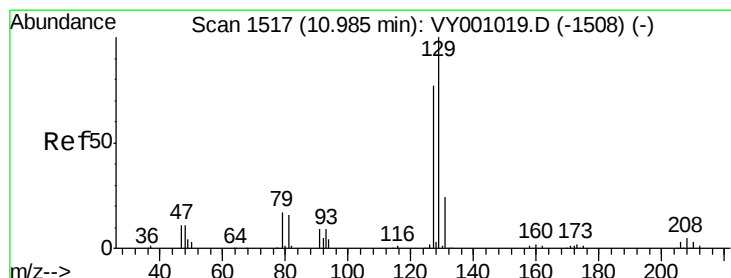
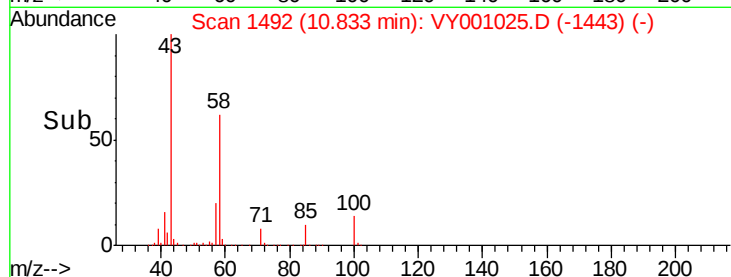
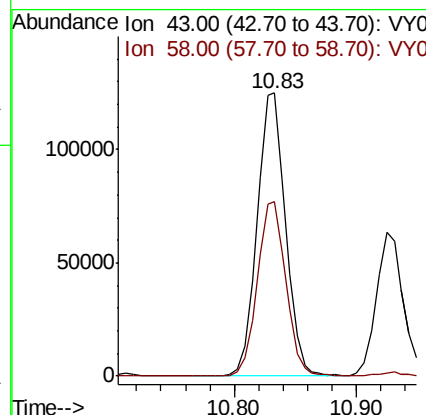
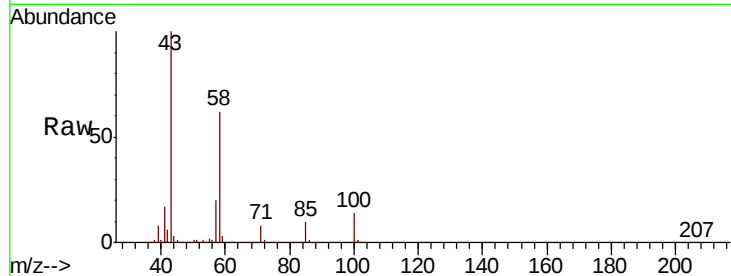




#59
2-Hexanone
Concen: 95.223 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

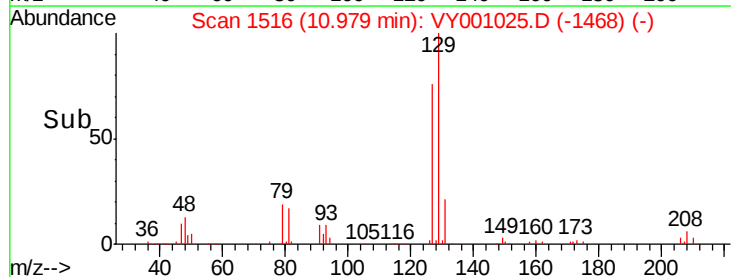
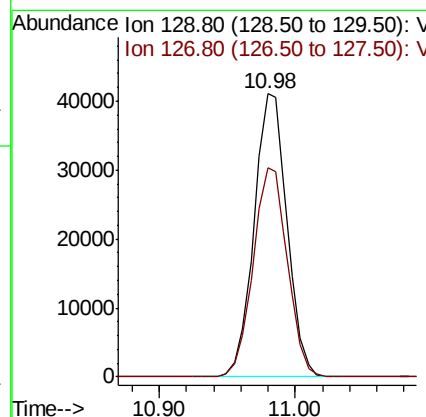
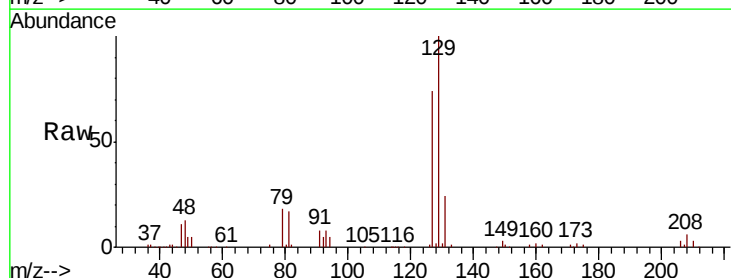
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

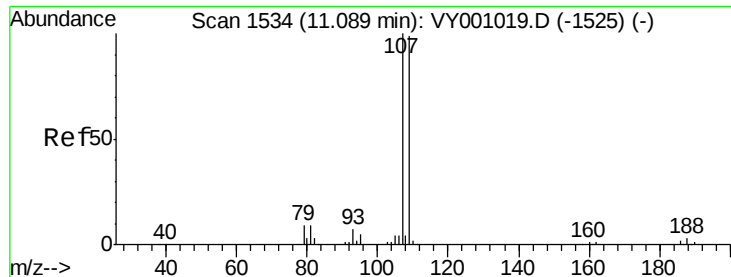
Tot Ion: 43 Resp: 202806
Ion Ratio Lower Upper
43 100
58 61.9 30.6 91.6



#60
Dibromochloromethane
Concen: 19.436 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 129 Resp: 69665
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3

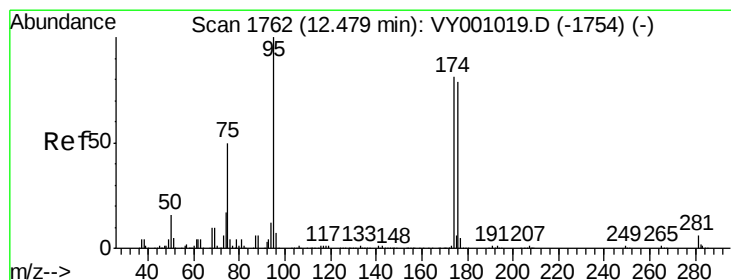
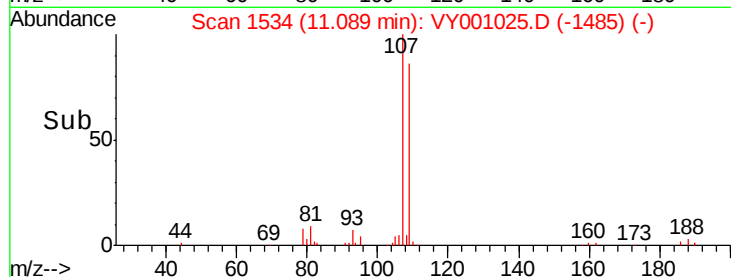
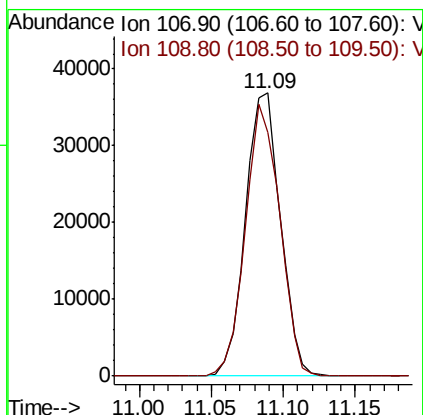
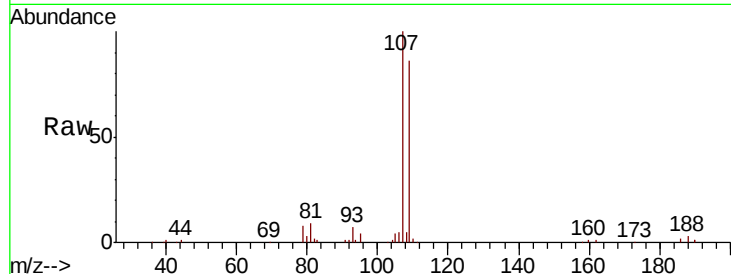




#61
 1,2-Dibromoethane
 Concen: 19.293 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

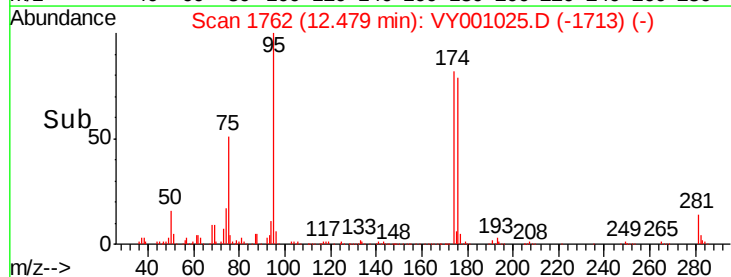
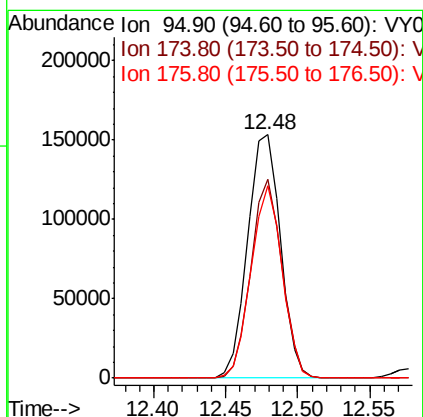
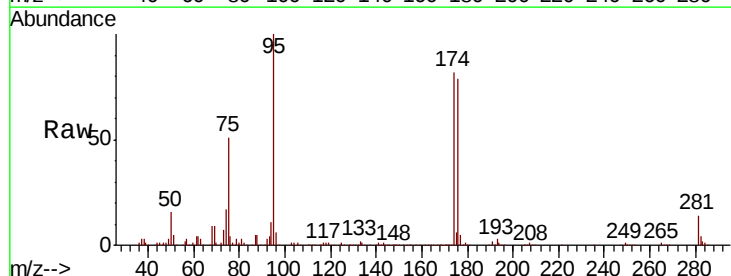
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

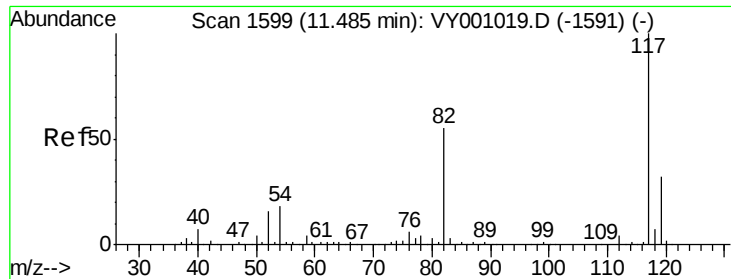
Tot Ion: 107 Resp: 61908
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 47.473 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion: 95 Resp: 241220
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 156.4
 176 74.9 0.0 155.0

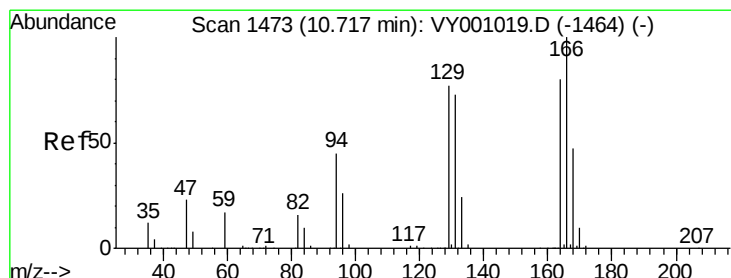
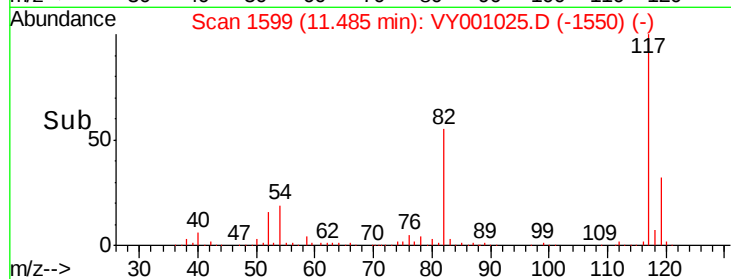
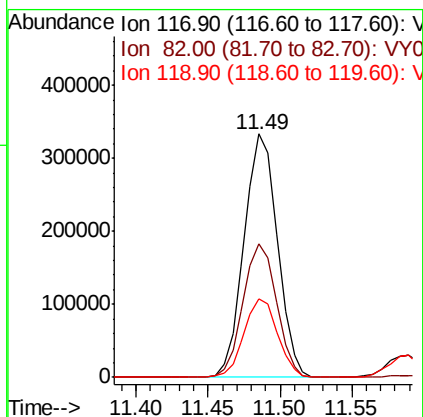
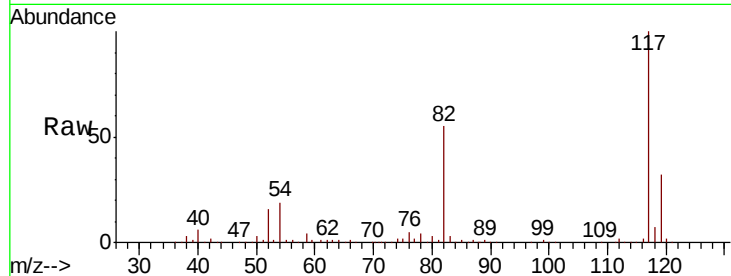




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

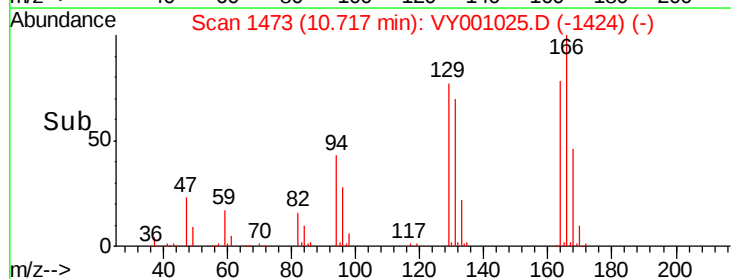
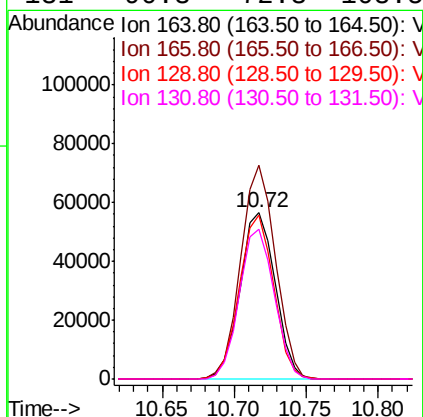
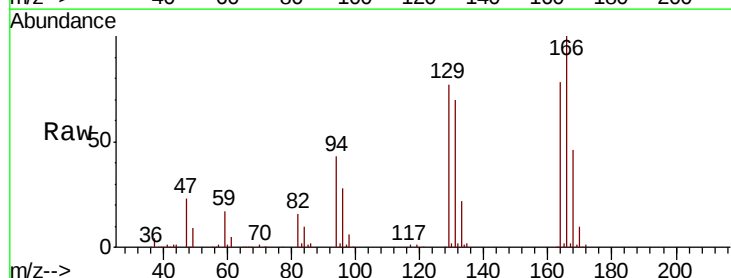
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

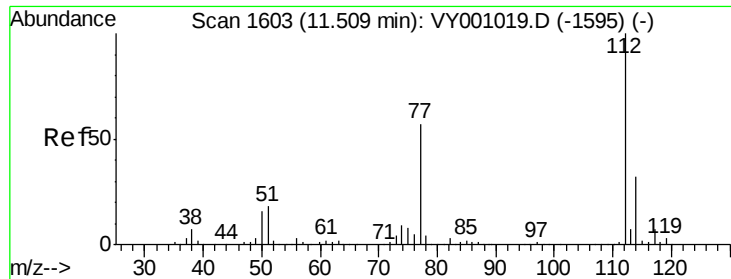
Tot Ion:117 Resp: 534153
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.711 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion:164 Resp: 95718
Ion Ratio Lower Upper
164 100
166 128.6 99.7 149.5
129 98.5 76.9 115.3
131 90.3 72.3 108.5

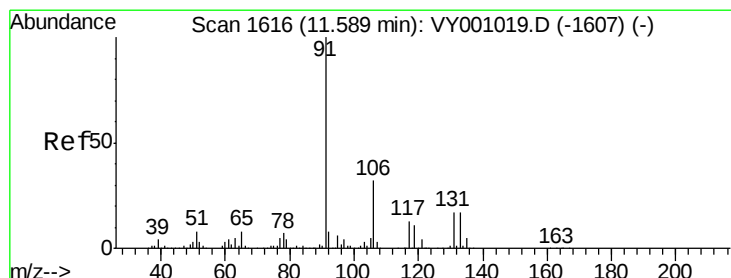
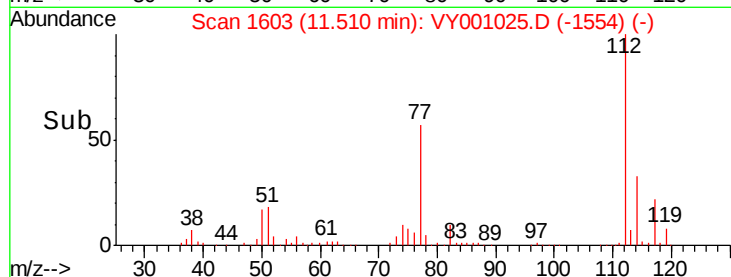
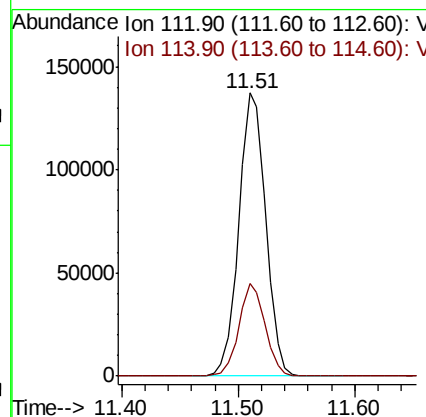
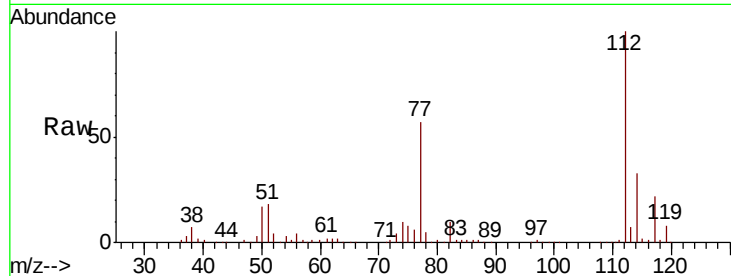




#65
Chlorobenzene
Concen: 19.904 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

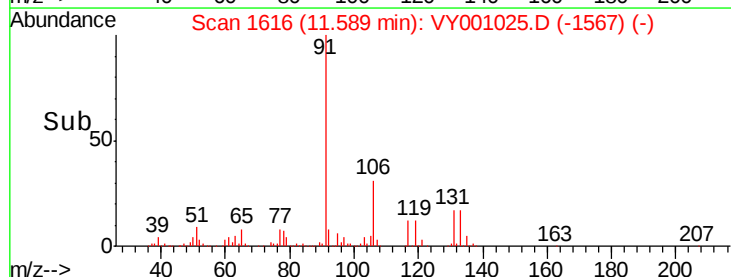
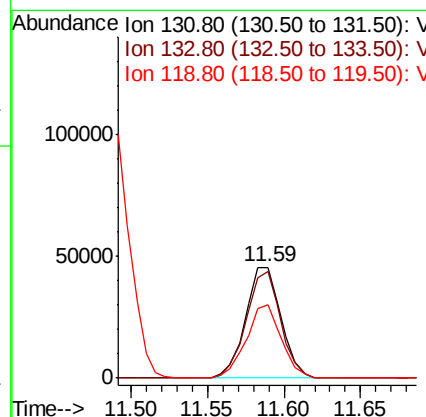
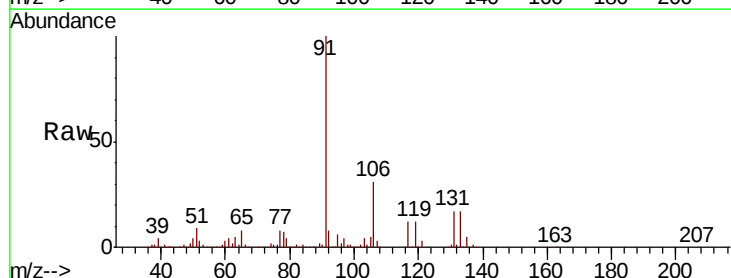
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

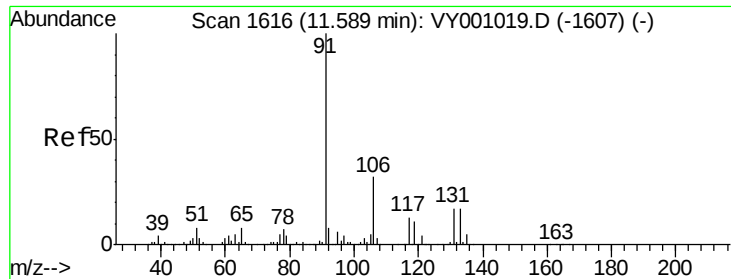
Tot Ion:112 Resp: 220533
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.107 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion:131 Resp: 73520
Ion Ratio Lower Upper
131 100
133 93.4 48.1 144.4
119 65.5 34.0 101.8

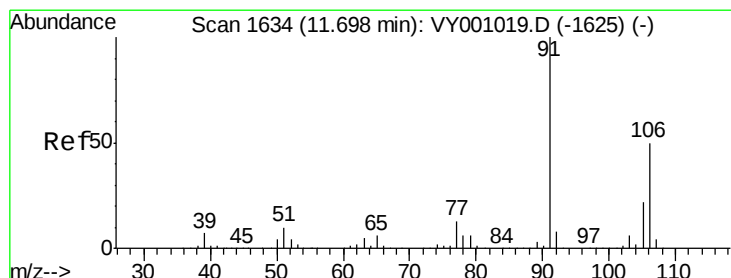
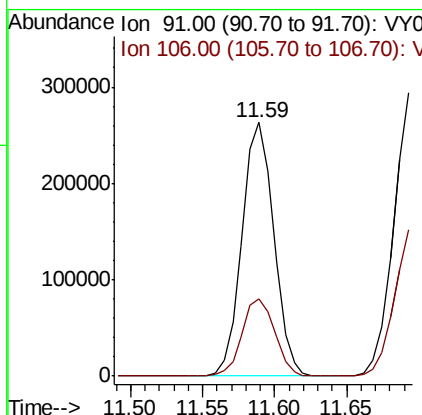
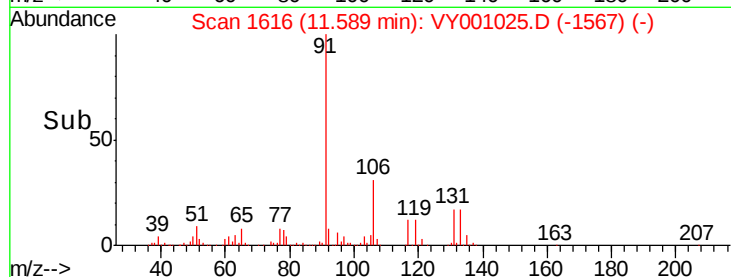
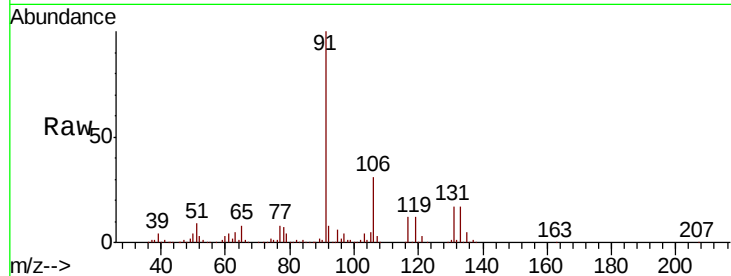




#67
Ethyl Benzene
Concen: 20.218 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

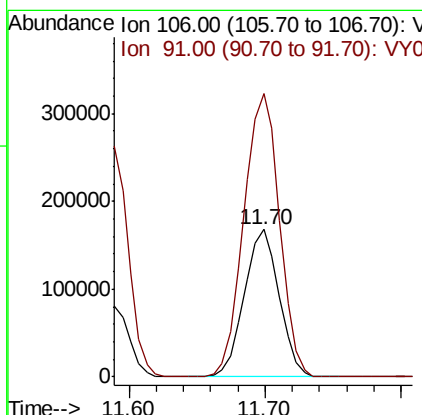
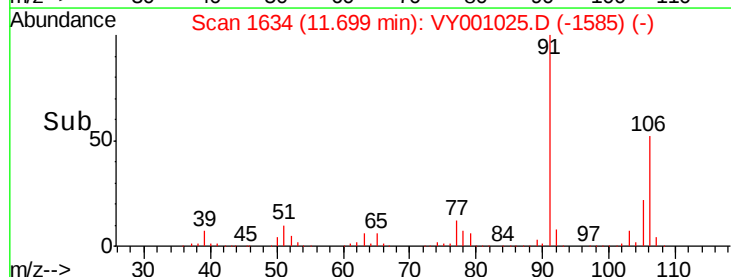
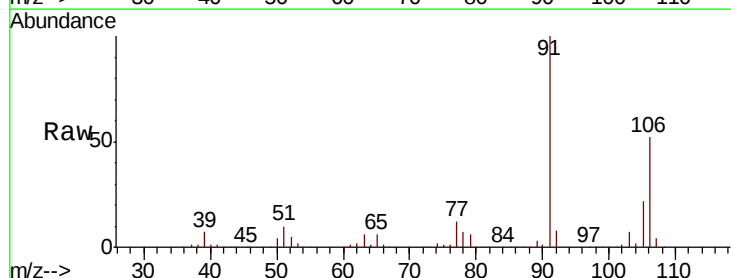
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

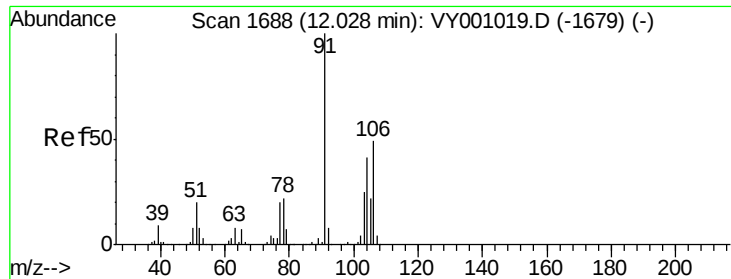
Tot Ion: 91 Resp: 402923
Ion Ratio Lower Upper
91 100
106 30.6 25.3 37.9



#68
m/p-Xylenes
Concen: 39.816 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion: 106 Resp: 301293
Ion Ratio Lower Upper
106 100
91 196.9 156.4 234.6

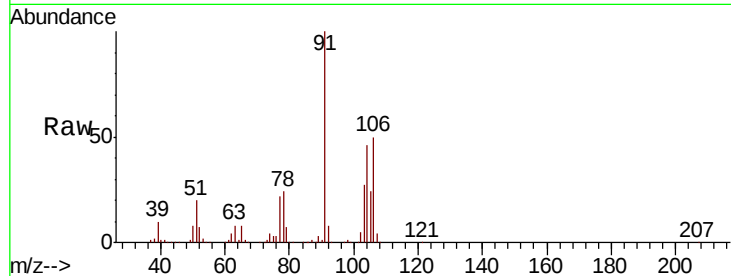




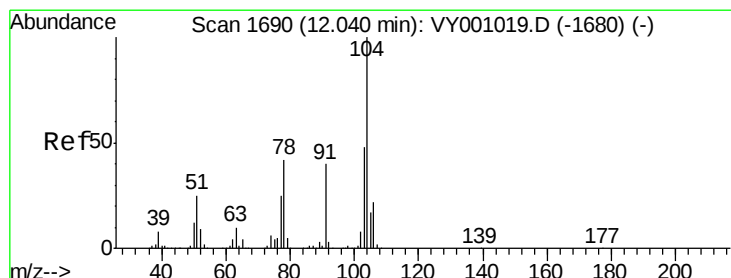
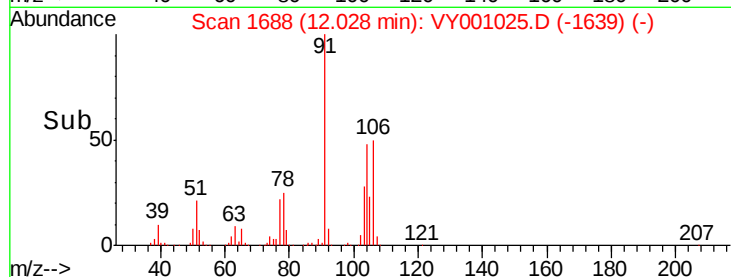
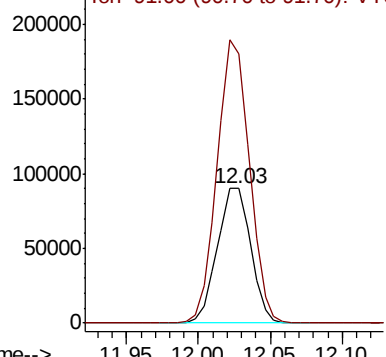
#69
o-Xylene
Concen: 20.309 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tot Ion:106 Resp: 144578
Ion Ratio Lower Upper
106 100
91 203.6 103.0 309.0

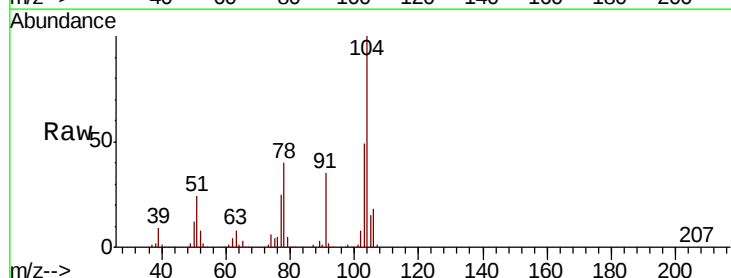


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

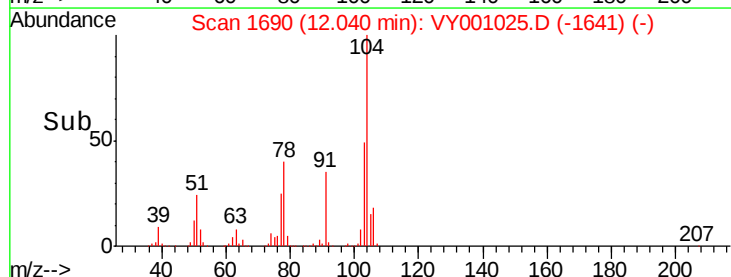
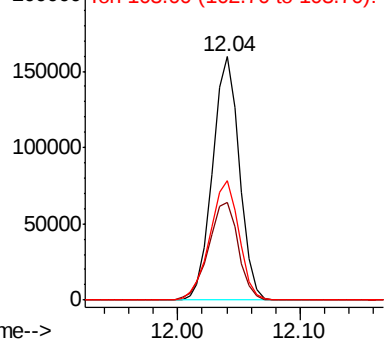


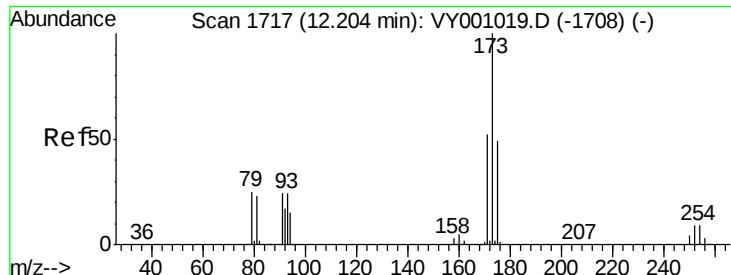
#70
Styrene
Concen: 20.062 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion:104 Resp: 242839
Ion Ratio Lower Upper
104 100
78 44.5 36.6 54.8
103 53.3 42.6 64.0



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





#71

Bromoform

Concen: 19.630 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

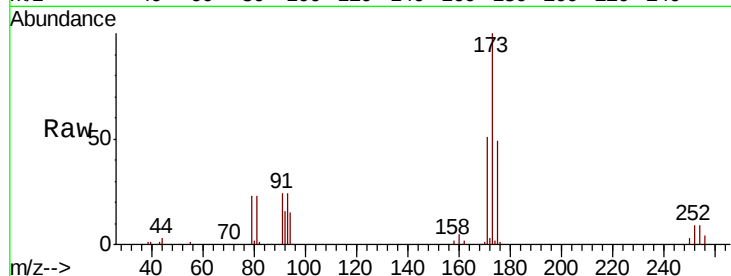
Tot Ion:173 Resp: 39965

Ion Ratio Lower Upper

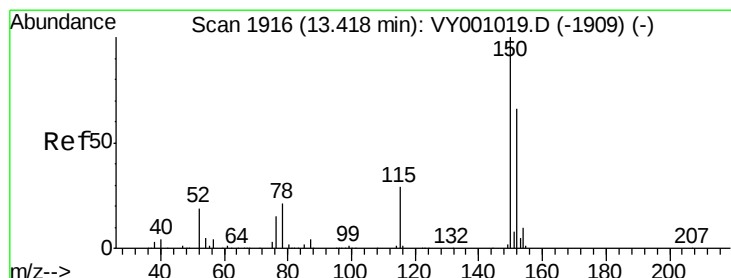
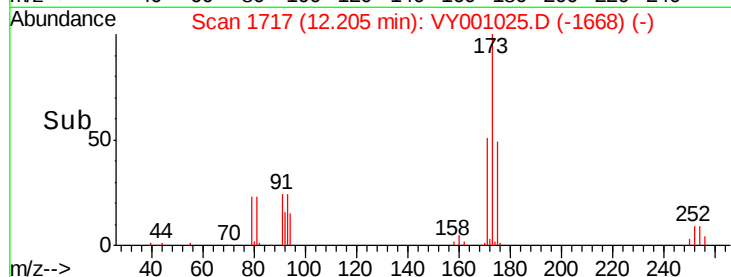
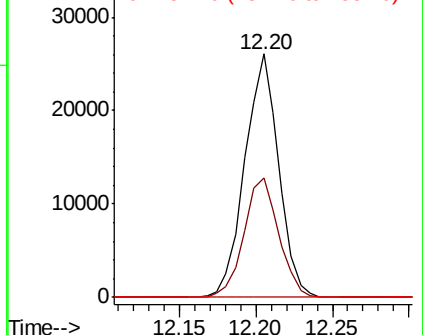
173 100

175 50.4 24.5 73.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

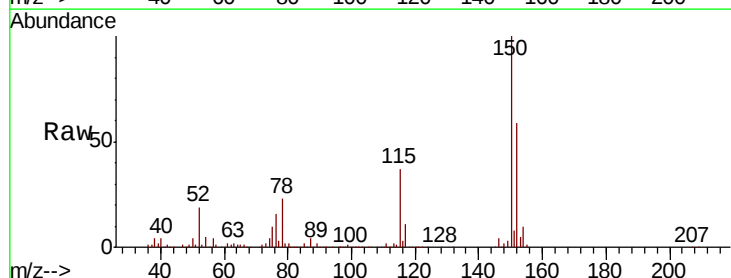
Tgt Ion:152 Resp: 246615

Ion Ratio Lower Upper

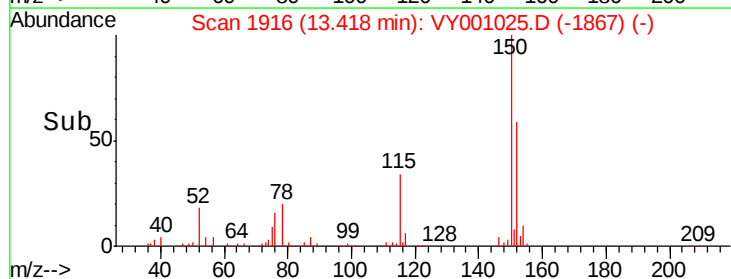
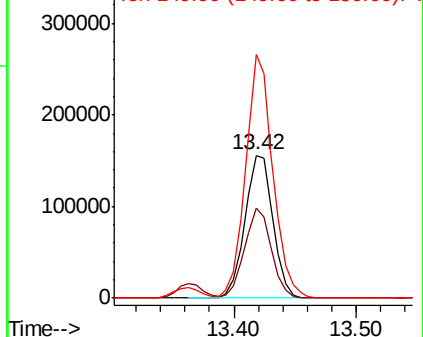
152 100

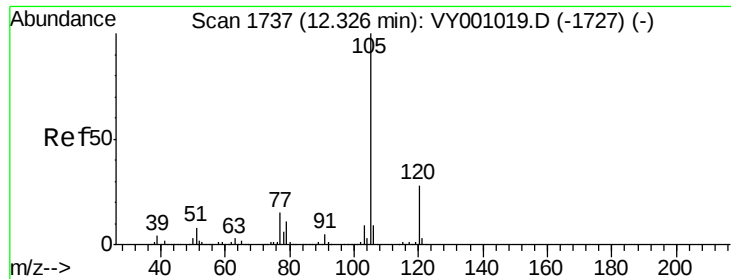
115 60.3 29.8 89.3

150 166.3 0.0 352.6



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





#73

Isopropylbenzene

Concen: 19.735 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

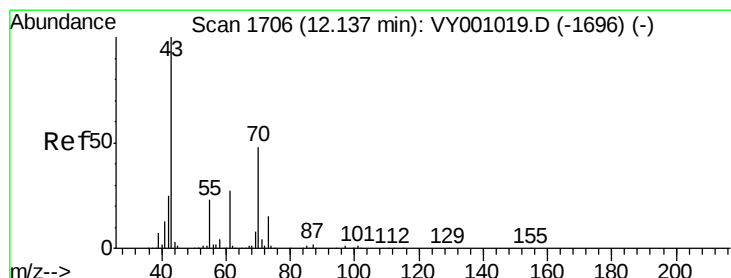
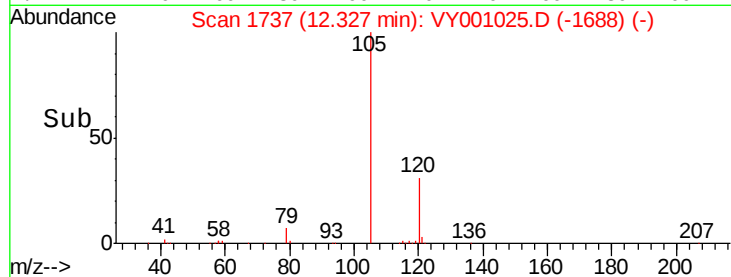
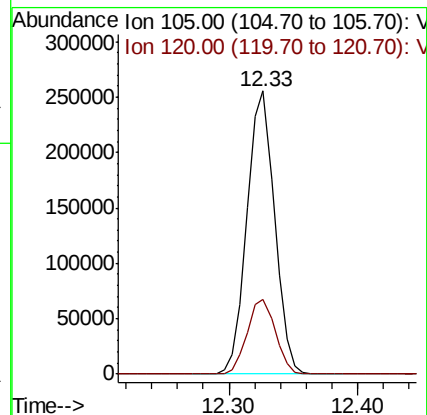
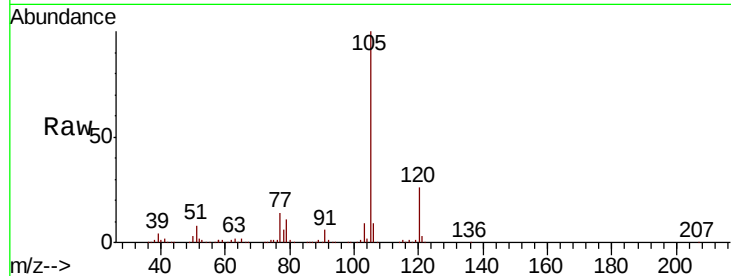
VY1223SBS01

Tot Ion:105 Resp: 376630

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 19.238 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Tgt Ion: 43 Resp: 96451

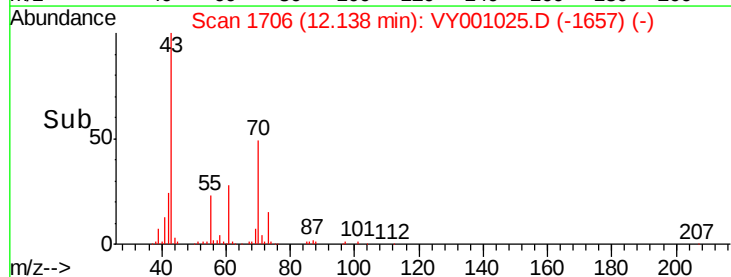
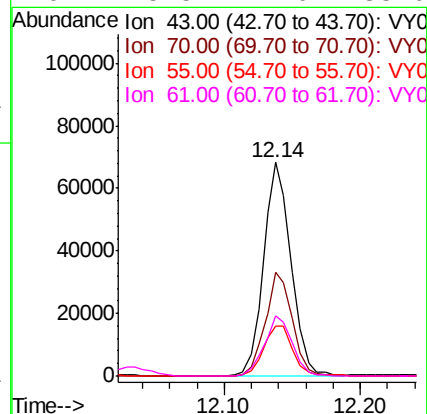
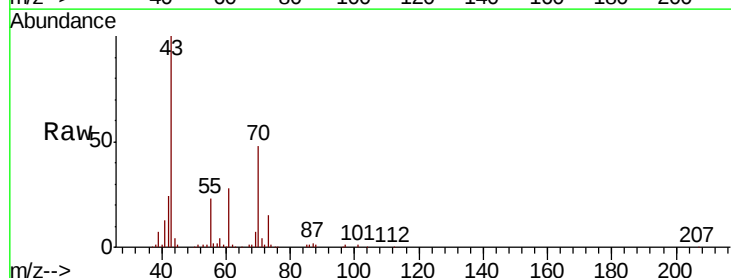
Ion Ratio Lower Upper

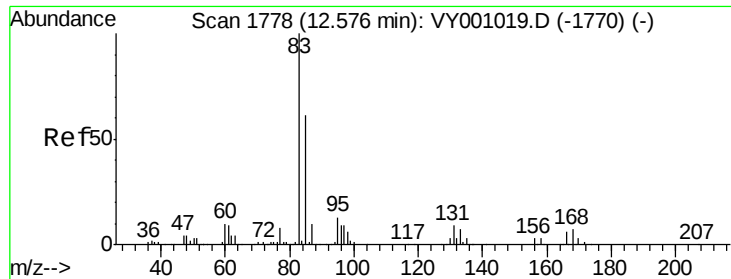
43 100

70 48.2 39.0 58.6

55 25.3 19.5 29.3

61 28.5 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.842 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

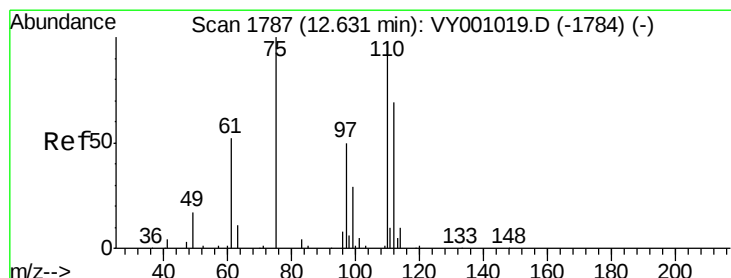
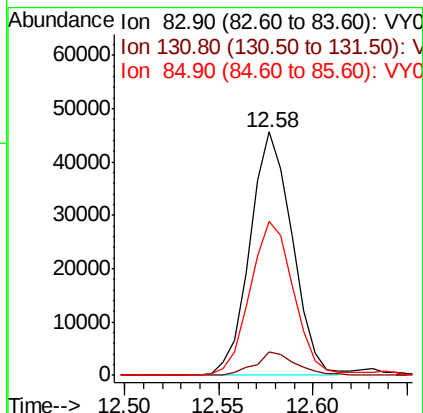
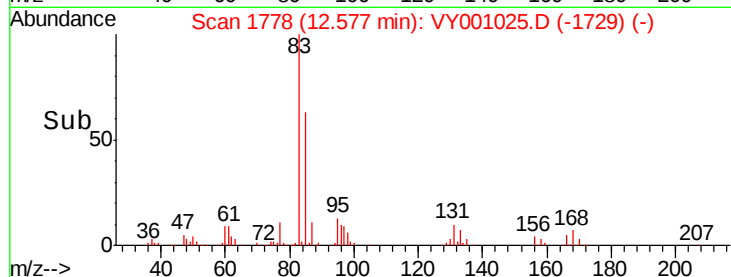
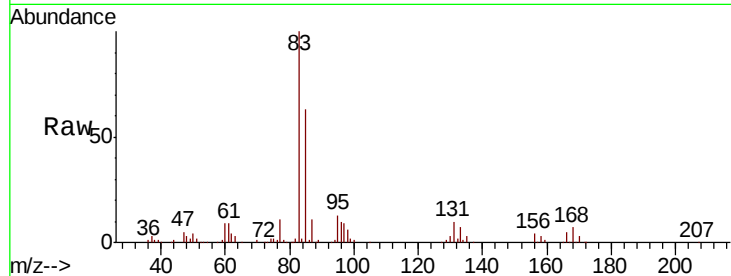
Tot Ion: 83 Resp: 70838

Ion Ratio Lower Upper

83 100

131 9.3 5.1 15.3

85 65.3 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 33.366 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001025.D

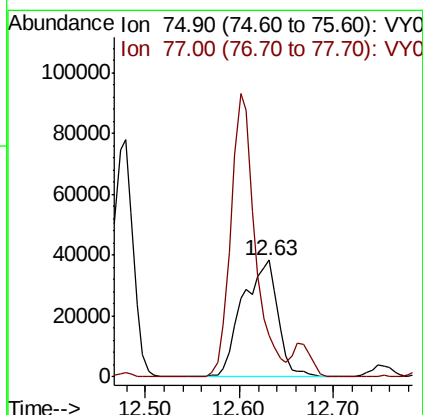
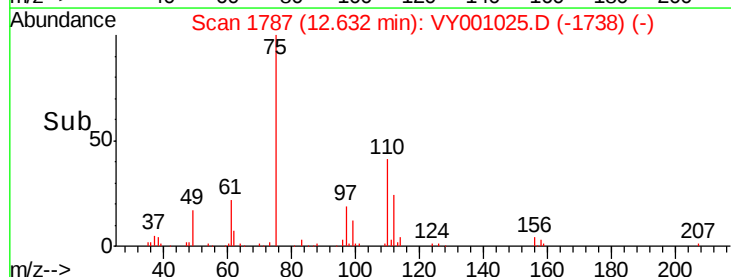
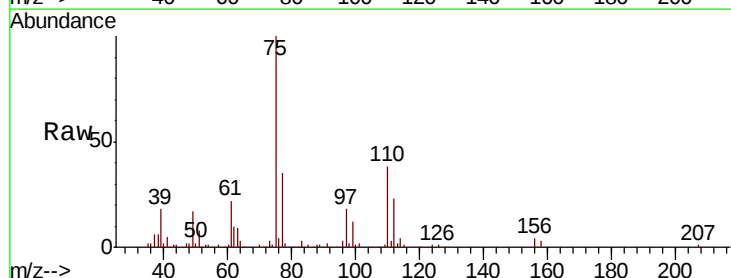
Acq: 23 Dec 2019 14:01

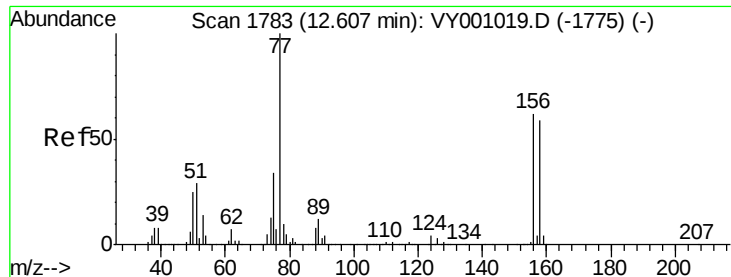
Tgt Ion: 75 Resp: 101442

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.351 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

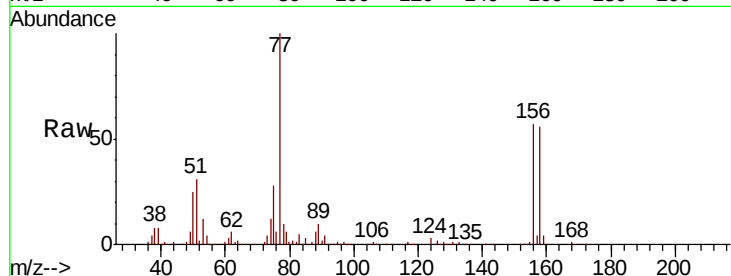
Tot Ion:156 Resp: 83055

Ion Ratio Lower Upper

156 100

77 202.0 98.0 294.1

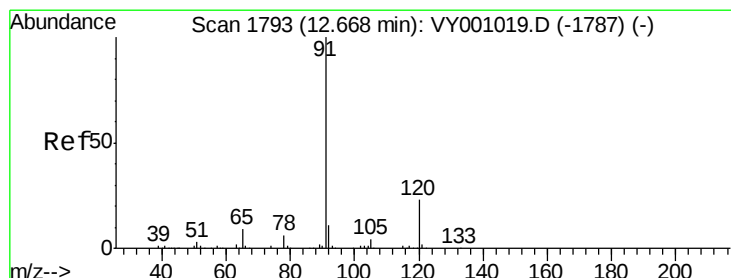
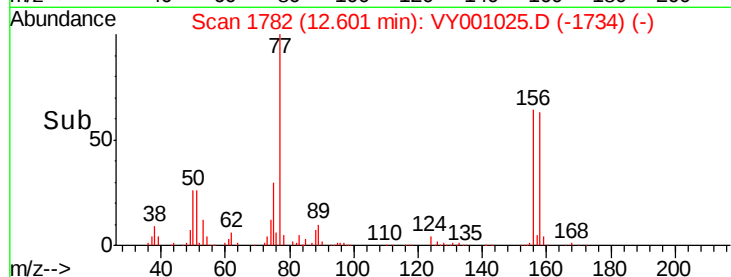
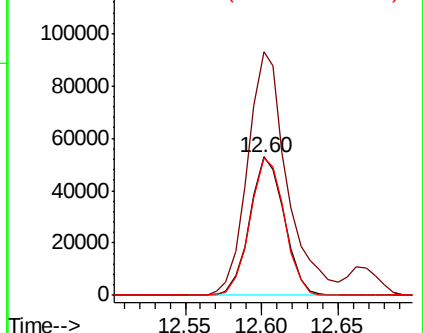
158 98.8 48.5 145.6



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: 20.008 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001025.D

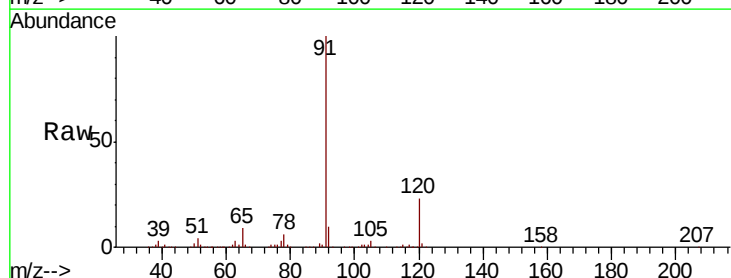
Acq: 23 Dec 2019 14:01

Tgt Ion: 91 Resp: 465264

Ion Ratio Lower Upper

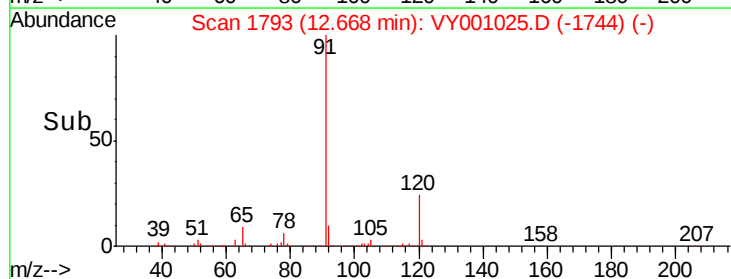
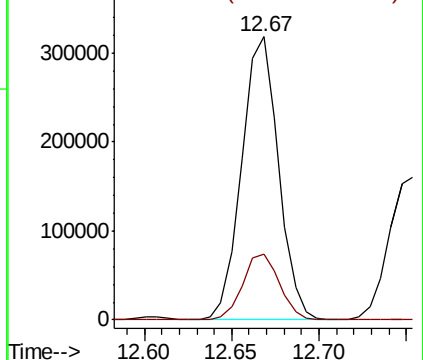
91 100

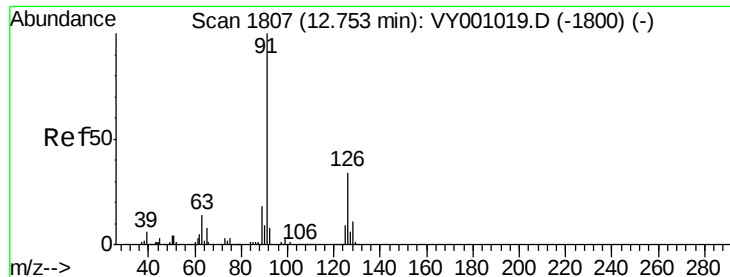
120 23.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.554 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

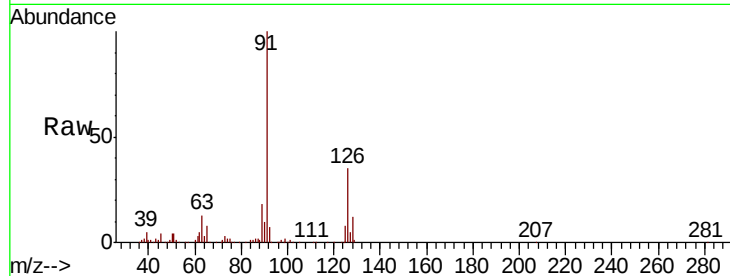
VY1223SBS01

Tot Ion: 91 Resp: 251109

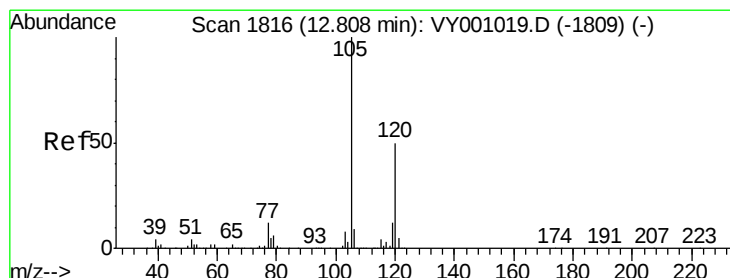
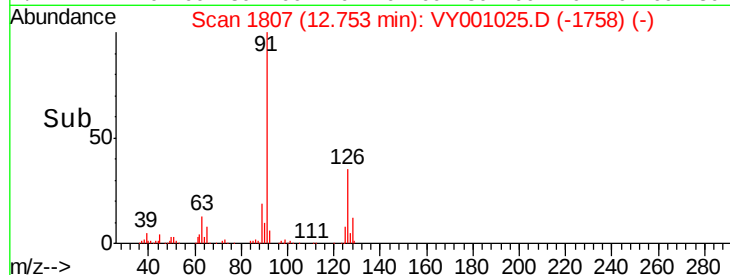
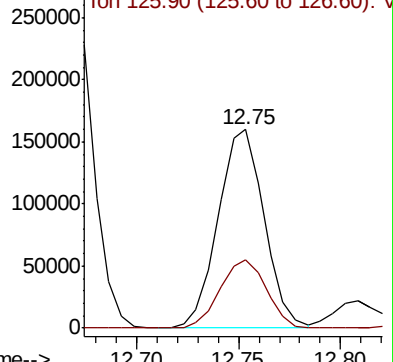
Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.993 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001025.D

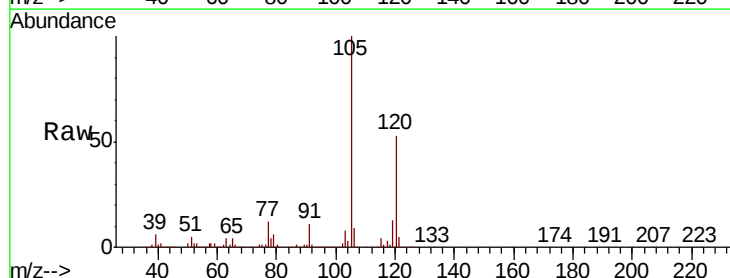
Acq: 23 Dec 2019 14:01

Tgt Ion: 105 Resp: 312752

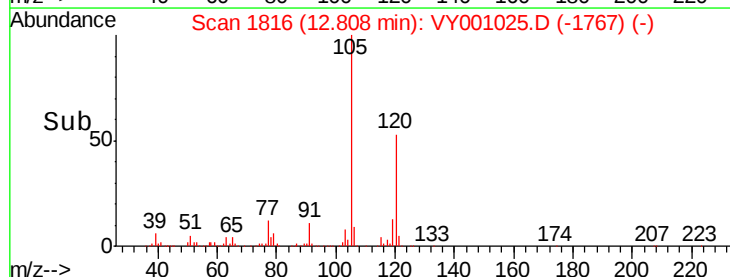
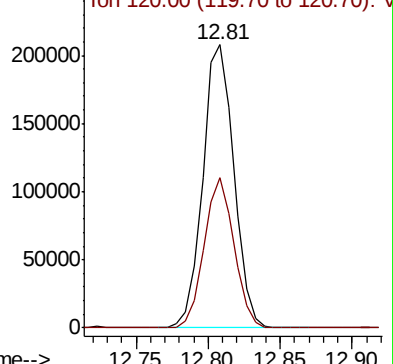
Ion Ratio Lower Upper

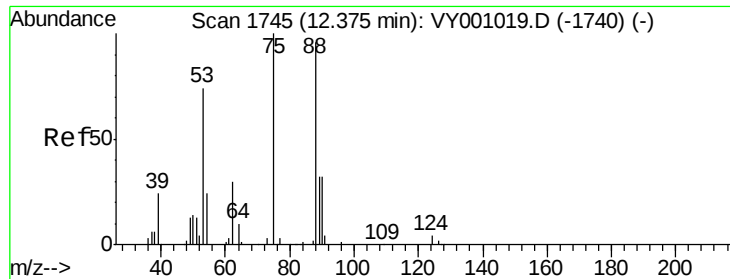
105 100

120 51.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.469 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

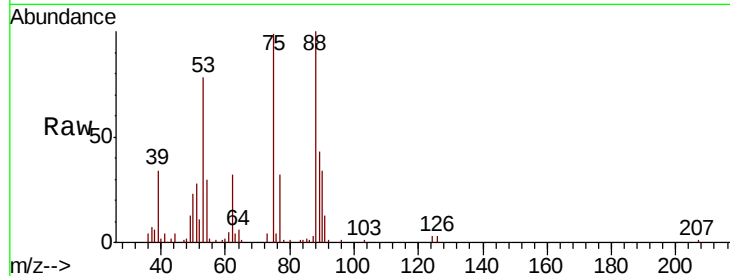
Tot Ion: 75 Resp: 26327

Ion Ratio Lower Upper

75 100

53 79.5 60.6 91.0

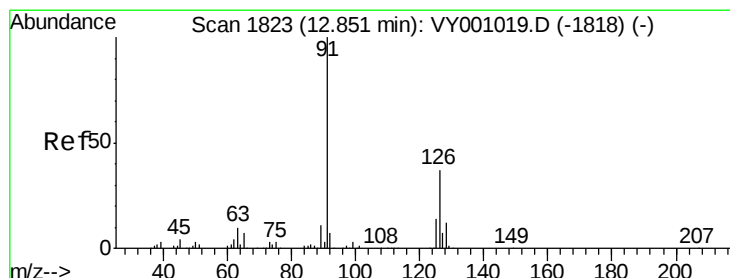
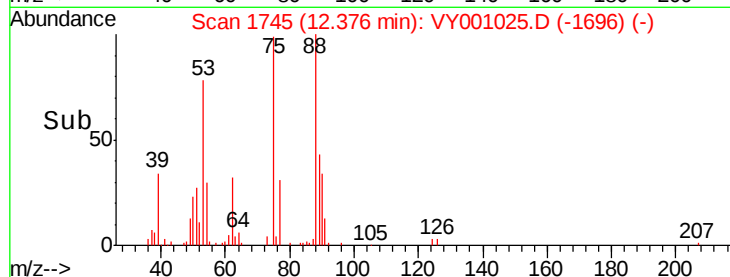
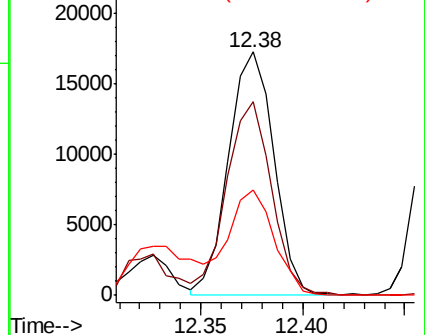
89 44.6 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 19.660 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001025.D

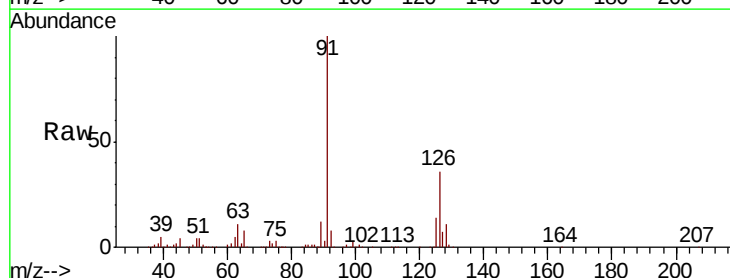
Acq: 23 Dec 2019 14:01

Tgt Ion: 91 Resp: 262236

Ion Ratio Lower Upper

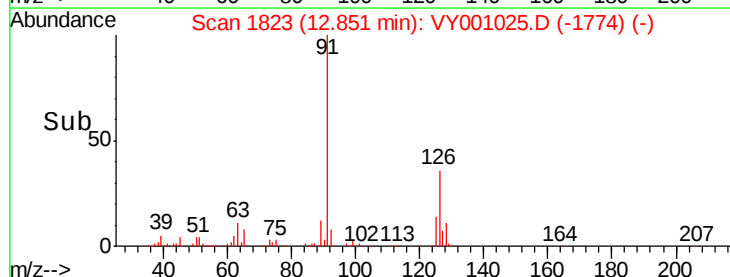
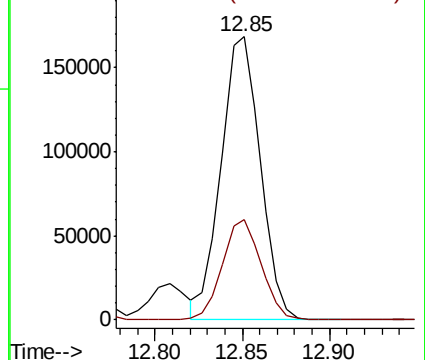
91 100

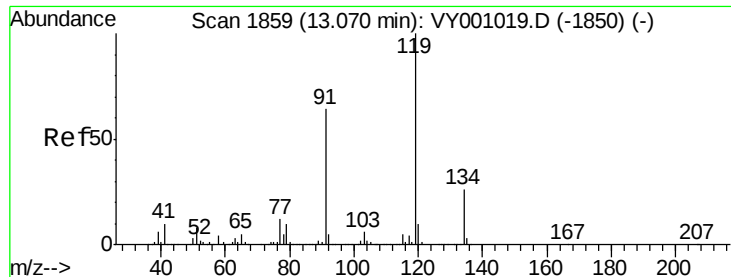
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

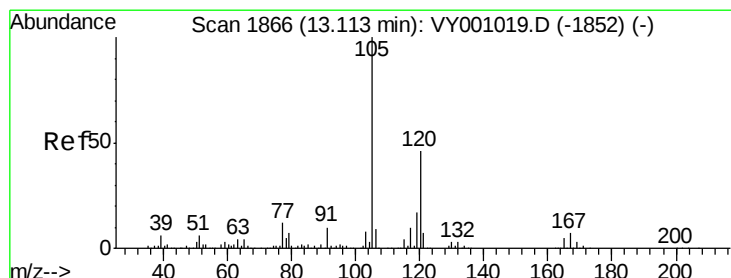
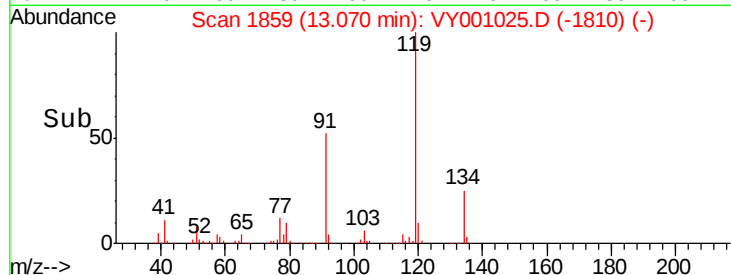
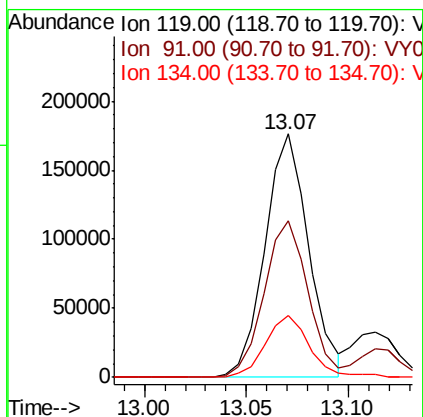
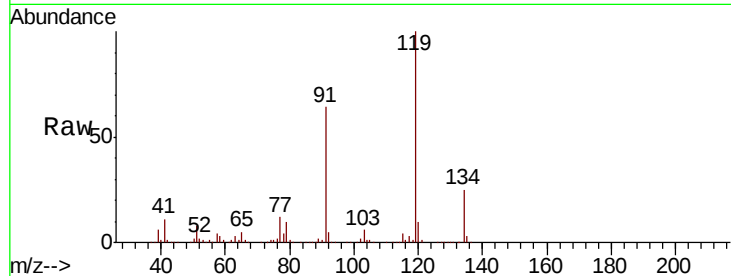




#83
tert-Butylbenzene
Concen: 20.033 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

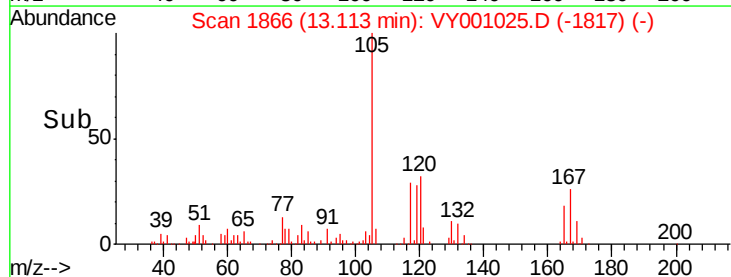
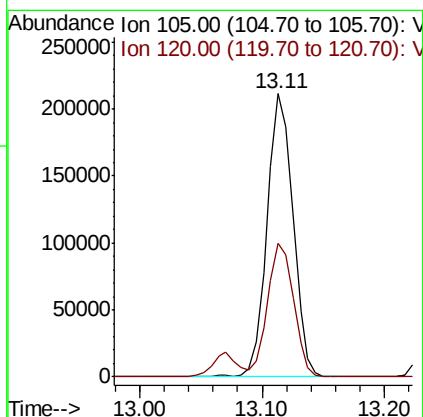
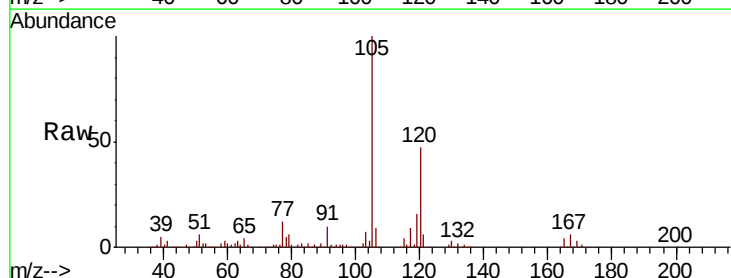
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

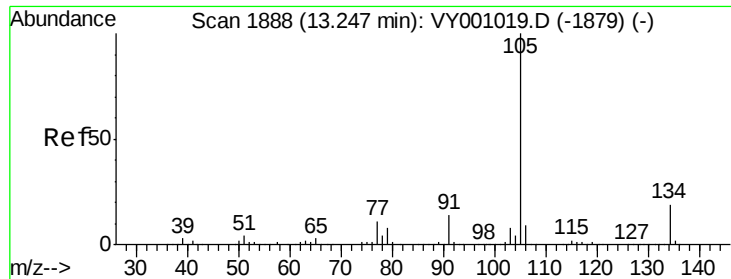
Tot Ion:119 Resp: 263061
Ion Ratio Lower Upper
119 100
91 64.5 31.9 95.7
134 25.9 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 19.939 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion:105 Resp: 313428
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.2





#85

sec-Butylbenzene

Concen: 20.360 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

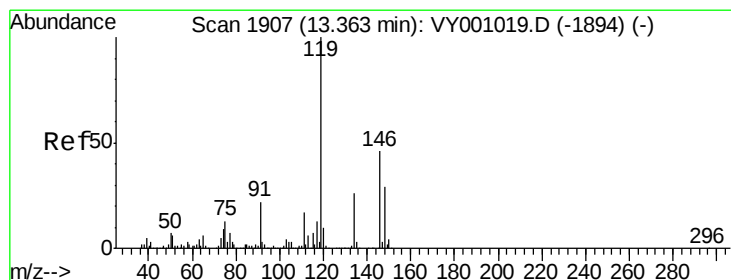
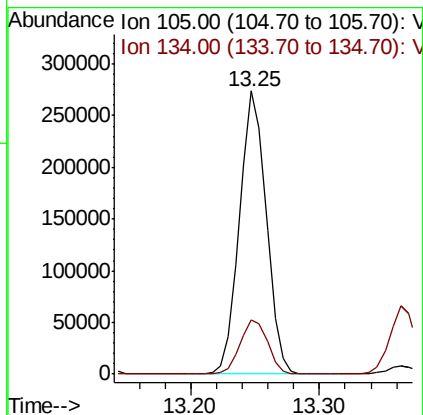
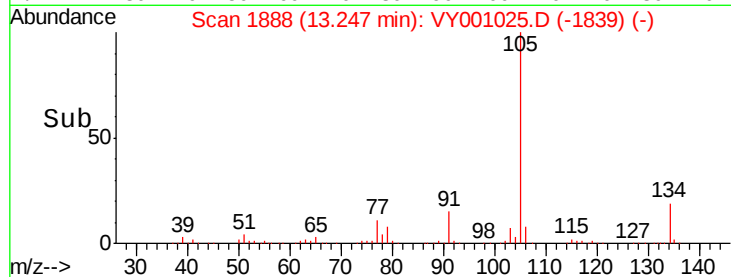
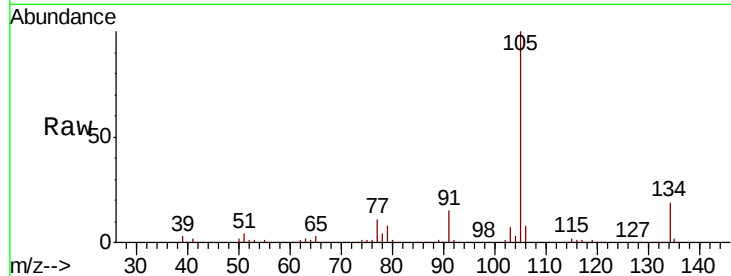
VY1223SBS01

Tot Ion:105 Resp: 394152

Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0



#86

p-Isopropyltoluene

Concen: 20.317 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

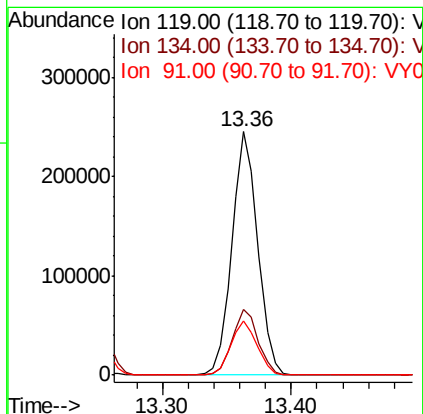
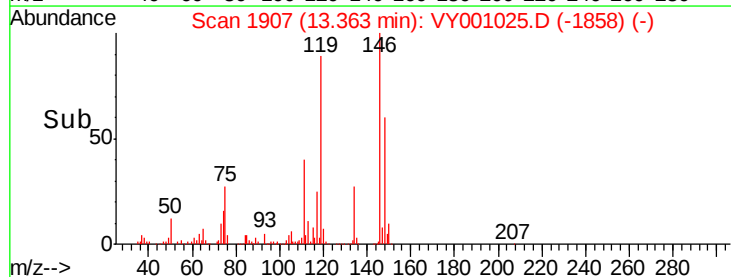
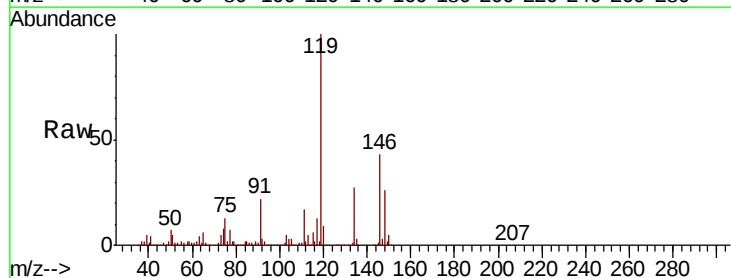
Tgt Ion:119 Resp: 340328

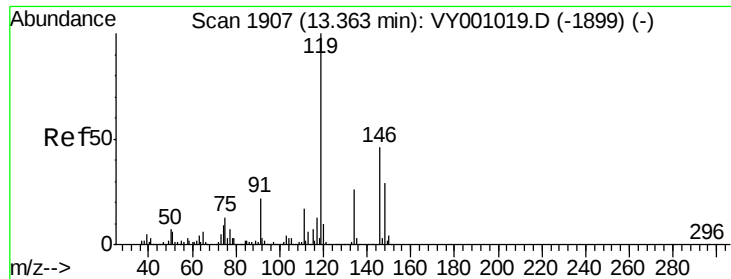
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.910 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

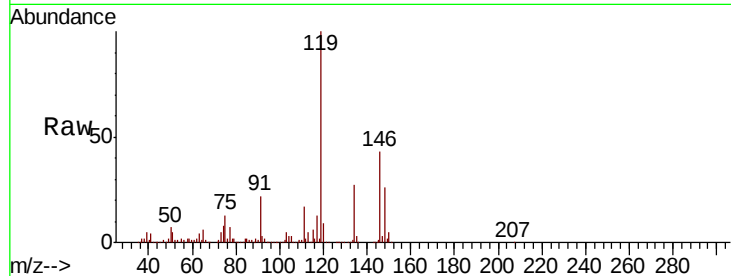
Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBSD01

Tot Ion:146 Resp: 164122

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	61.9	31.9	95.5

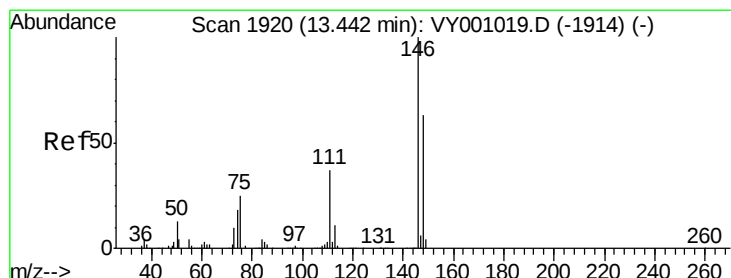
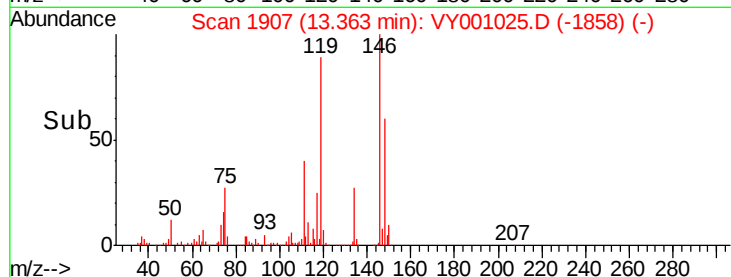
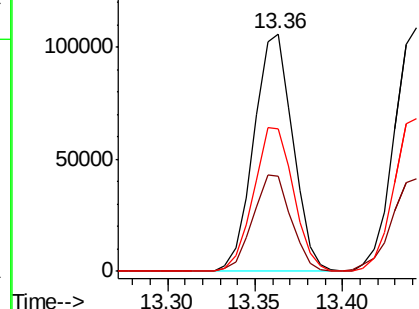


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.094 ug/l

RT: 13.44 min Scan# 1920

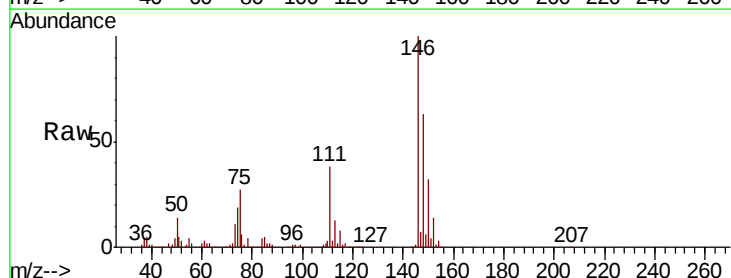
Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Tgt Ion:146 Resp: 167094

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	64.0	31.8	95.3

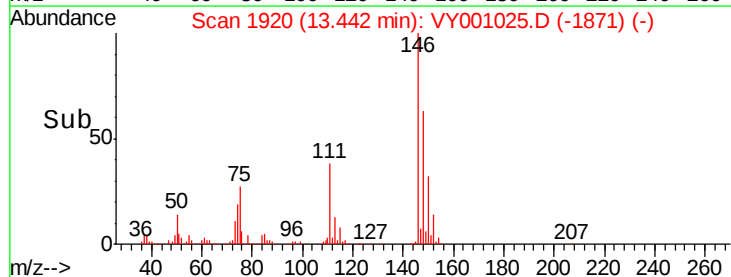
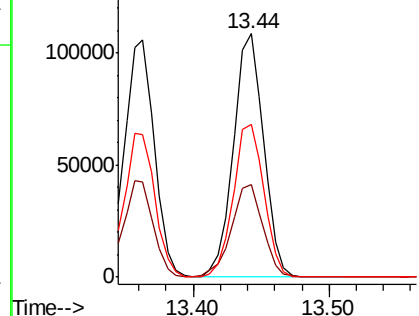


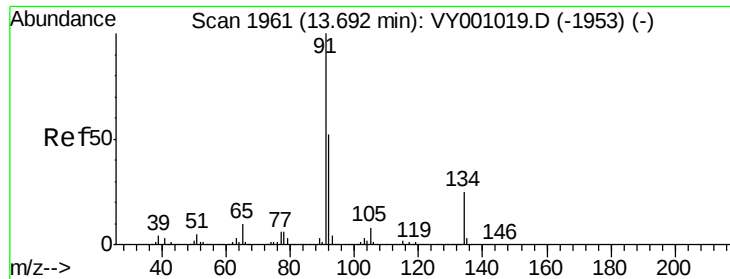
Abundance

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





#89

n-Butylbenzene

Concen: 20.421 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

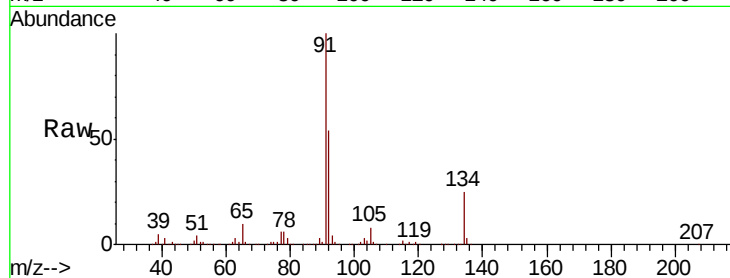
Tot Ion: 91 Resp: 344164

Ion Ratio Lower Upper

91 100

92 53.2 26.9 80.7

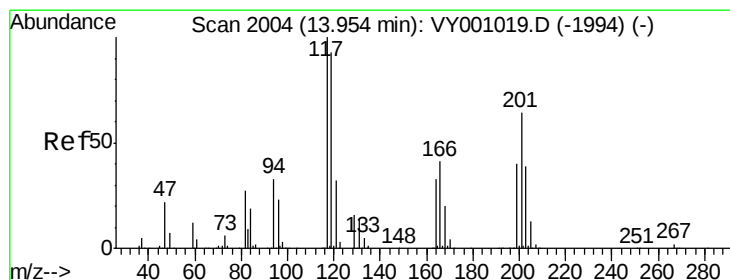
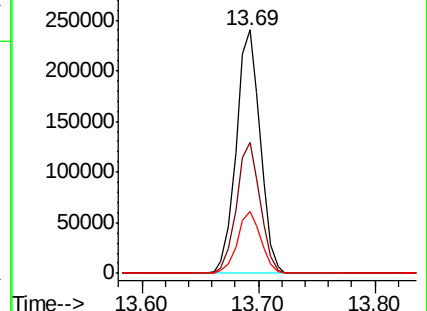
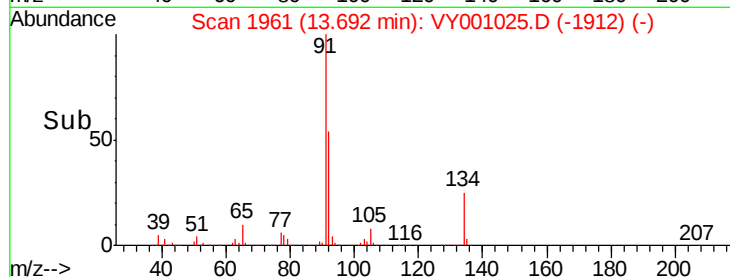
134 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VY001019.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY001019.D (-1953) (-)



#90

Hexachloroethane

Concen: 20.125 ug/l

RT: 13.95 min Scan# 2004

Delta R.T. 0.00 min

Lab File: VY001025.D

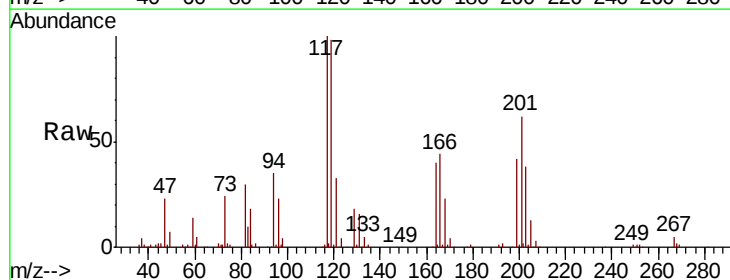
Acq: 23 Dec 2019 14:01

Tgt Ion: 117 Resp: 63512

Ion Ratio Lower Upper

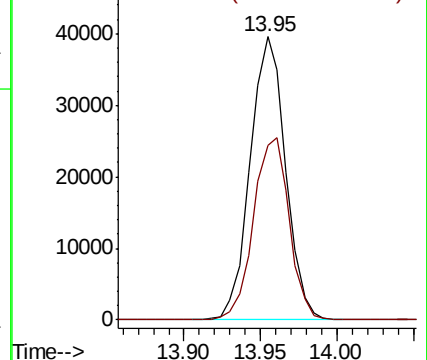
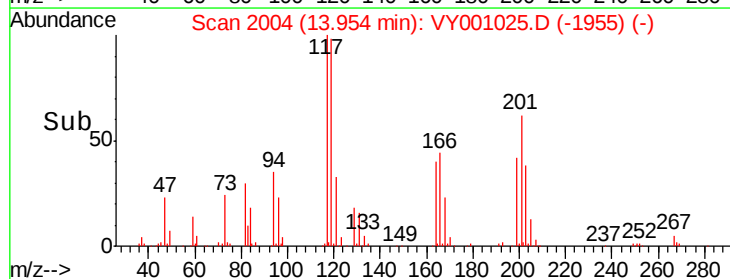
117 100

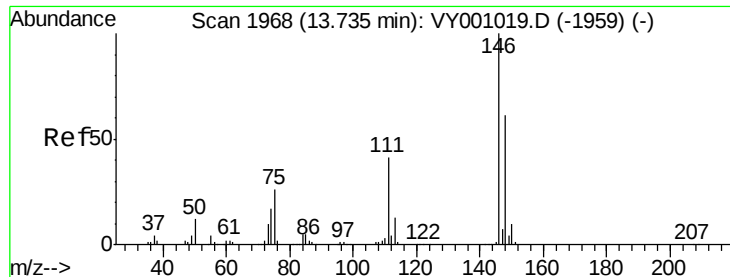
201 65.1 33.7 101.1



Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1994) (-)

Ion 200.70 (200.40 to 201.40): VY001019.D (-1994) (-)





#91

1,2-Dichlorobenzene

Concen: 19.624 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBS01

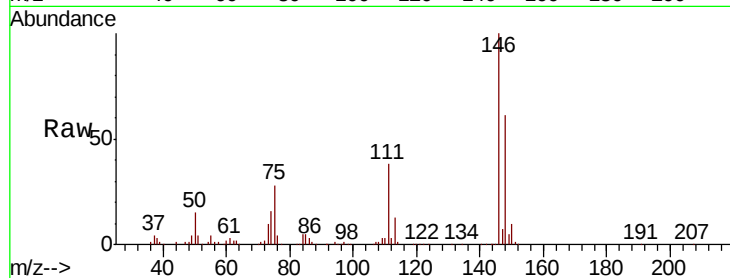
Tot Ion:146 Resp: 149222

Ion Ratio Lower Upper

146 100

111 40.2 20.6 61.9

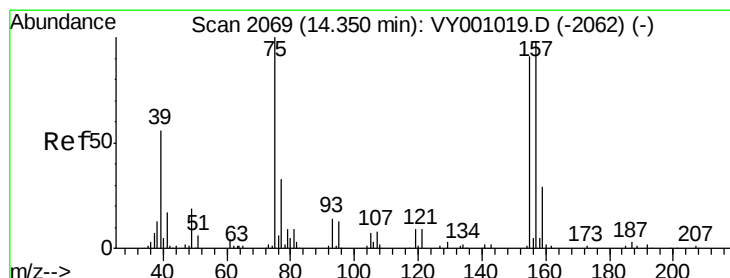
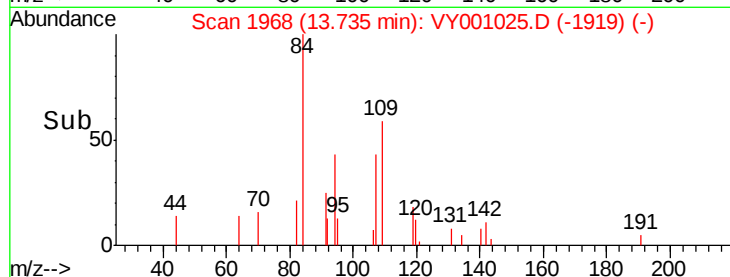
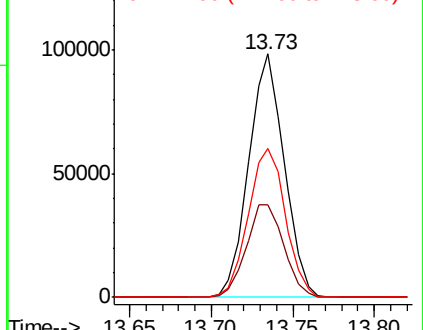
148 63.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.408 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY001025.D

Acq: 23 Dec 2019 14:01

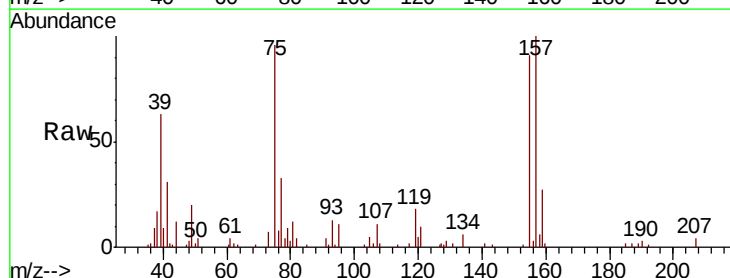
Tgt Ion: 75 Resp: 11579

Ion Ratio Lower Upper

75 100

155 95.4 46.3 138.9

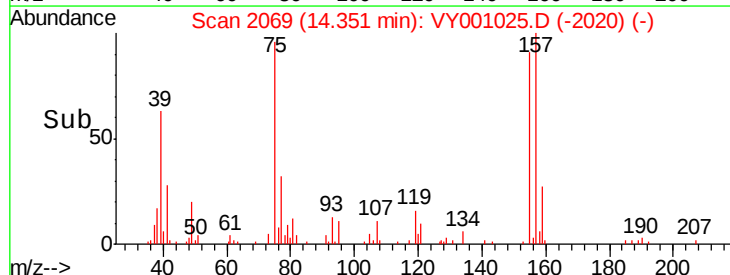
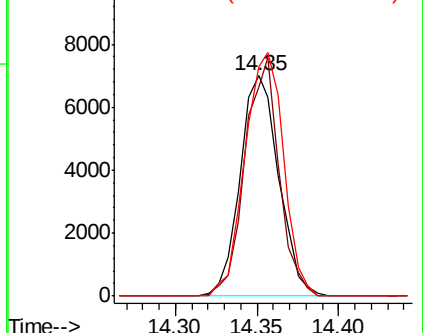
157 110.3 58.1 174.4

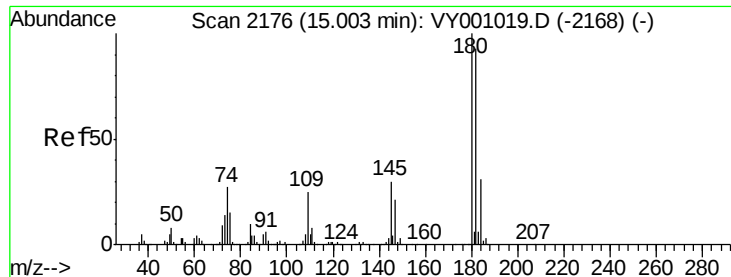


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

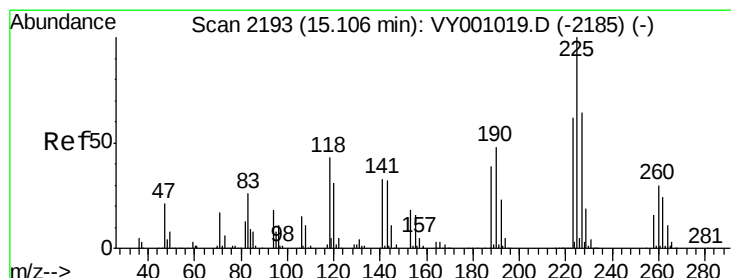
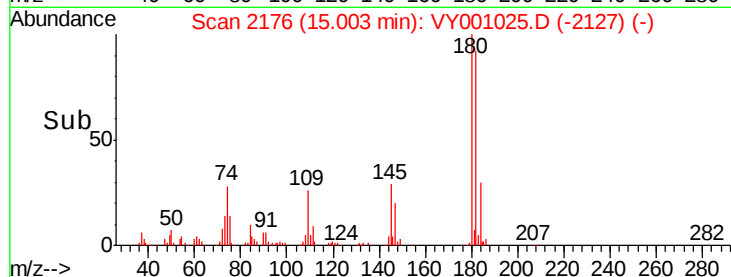
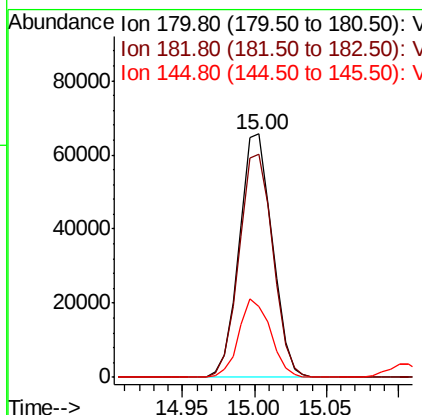
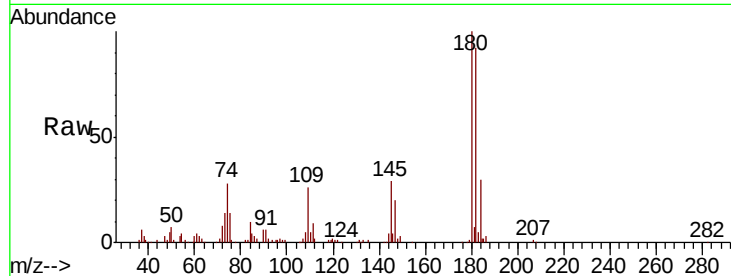




#93
 1,2,4-Trichlorobenzene
 Concen: 20.353 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

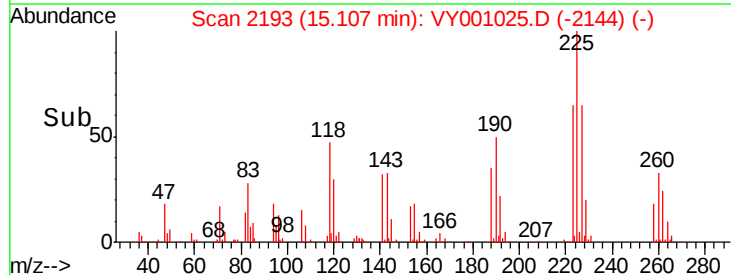
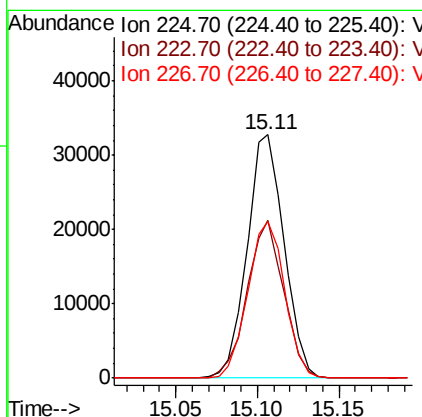
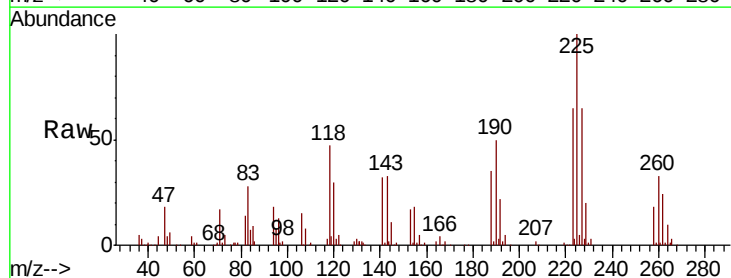
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

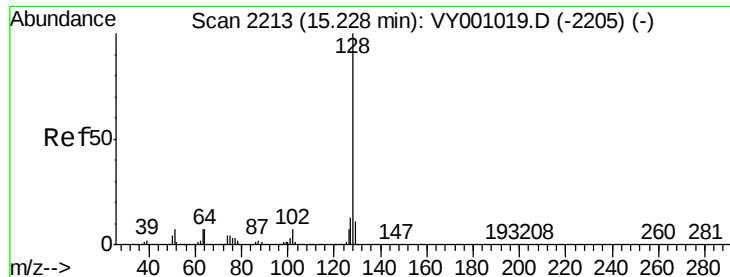
Tot Ion:180 Resp: 104465
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.8 140.3
 145 31.1 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 21.150 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001025.D
 Acq: 23 Dec 2019 14:01

Tgt Ion:225 Resp: 51657
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 94.8
 227 64.2 31.9 95.5

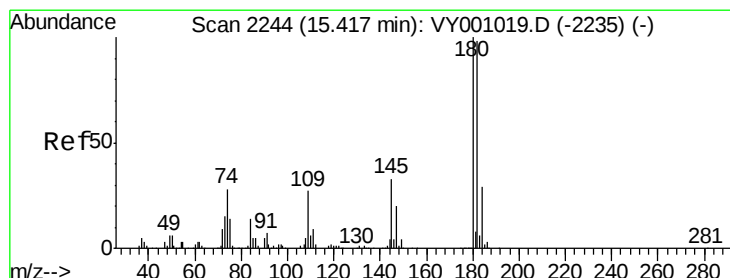
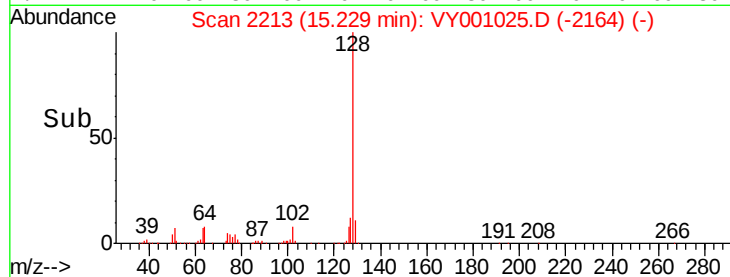
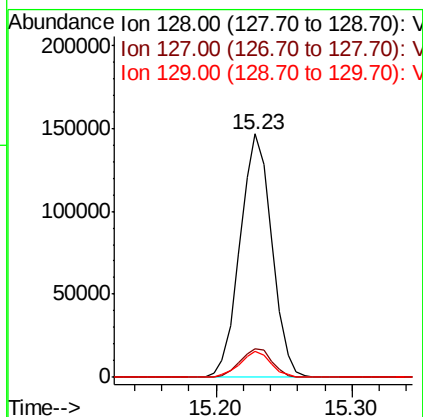
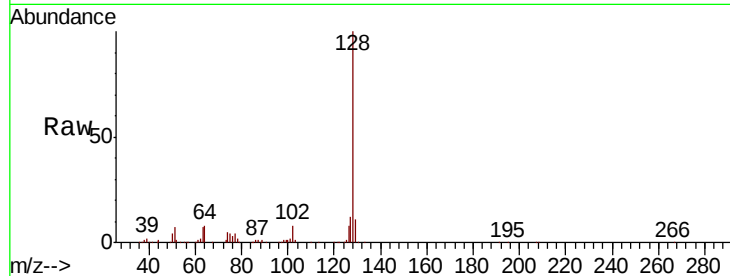




#95
Naphthalene
Concen: 19.867 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.5	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.570 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001025.D
Acq: 23 Dec 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.9	143.8
145	33.4	16.3	48.9

