

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
 Data File : VY000133.D
 Acq On : 23 Sep 2019 15:54
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Quant Time: Sep 24 05:21:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	111580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	221538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	193886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	65556	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.71	113	59717	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.18	98	256394	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.48	95	87591	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	25754	23.267	ug/l	88
3) Chloromethane	2.11	50	33757	16.146	ug/l	98
4) Vinyl Chloride	2.25	62	35502	20.695	ug/l	99
5) Bromomethane	2.62	94	24427	22.988	ug/l	93
6) Chloroethane	2.78	64	22577	21.303	ug/l	94
7) Trichlorofluoromethane	3.12	101	40507	20.672	ug/l	97
8) Diethyl Ether	3.53	74	18596	22.139	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	25746	19.816	ug/l	98
10) Methyl Iodide	4.08	142	27426	16.454	ug/l	98
11) Tert butyl alcohol	4.96	59	7475	56.448	ug/l	98
12) 1,1-Dichloroethene	3.86	96	28490	21.231	ug/l	90
13) Acrolein	3.73	56	8401	156.144	ug/l #	83
14) Allyl chloride	4.47	41	40681	21.477	ug/l	98
15) Acrylonitrile	5.16	53	45871	112.659	ug/l	98
16) Acetone	3.95	43	27199	109.085	ug/l	98
17) Carbon Disulfide	4.18	76	96220	20.811	ug/l #	94
18) Methyl Acetate	4.47	43	21580	23.626	ug/l	94
19) Methyl tert-butyl Ether	5.21	73	72699	20.849	ug/l	96
20) Methylene Chloride	4.71	84	51806	30.918	ug/l #	92
21) trans-1,2-Dichloroethene	5.21	96	32512	21.484	ug/l	99
22) Diisopropyl ether	6.12	45	82263	20.369	ug/l	97
23) Vinyl Acetate	6.06	43	277148	102.975	ug/l	100
24) 1,1-Dichloroethane	6.01	63	49905	20.743	ug/l	97
25) 2-Butanone	6.99	43	49083	106.102	ug/l	96
26) 2,2-Dichloropropane	6.98	77	42421	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	33808	20.072	ug/l	96
28) Bromochloromethane	7.34	49	18138	19.293	ug/l	94
29) Tetrahydrofuran	7.35	42	33106	105.679	ug/l	99
30) Chloroform	7.51	83	47824	19.745	ug/l	97
31) Cyclohexane	7.78	56	51861	20.788	ug/l	87
32) 1,1,1-Trichloroethane	7.70	97	41514	20.834	ug/l	98
36) 1,1-Dichloropropene	7.91	75	40978	19.977	ug/l	97
37) Ethyl Acetate	7.08	43	21704	20.035	ug/l	94
38) Carbon Tetrachloride	7.90	117	34671	19.694	ug/l	93

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 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Quant Time: Sep 24 05:21:55 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	56486	20.022	ug/l	95
40) Benzene	8.16	78	126560	19.991	ug/l	97
41) Methacrylonitrile	7.34	41	30221	56.662	ug/l #	50
42) 1,2-Dichloroethane	8.23	62	31286	19.379	ug/l	99
43) Isopropyl Acetate	8.28	43	42658	19.687	ug/l	99
44) Trichloroethene	8.94	130	30625	19.482	ug/l	99
45) 1,2-Dichloropropane	9.22	63	30881	20.195	ug/l #	85
46) Dibromomethane	9.31	93	17225	20.255	ug/l	95
47) Bromodichloromethane	9.49	83	38606	19.827	ug/l #	97
48) Methyl methacrylate	9.29	41	18454	19.930	ug/l	99
49) 1,4-Dioxane	9.30	88	5994	446.464	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	115115	104.258	ug/l	100
52) Toluene	10.24	92	78488	20.063	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	41122	19.367	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	48353	19.642	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	23533	19.324	ug/l #	89
56) Ethyl methacrylate	10.51	69	36404	21.222	ug/l	94
57) 1,3-Dichloropropane	10.79	76	41976	19.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	83381	98.454	ug/l	99
59) 2-Hexanone	10.83	43	79548	102.855	ug/l	99
60) Dibromochloromethane	10.98	129	24326	19.112	ug/l	95
61) 1,2-Dibromoethane	11.09	107	23850	20.838	ug/l	99
64) Tetrachloroethene	10.71	164	28810	19.521	ug/l	92
65) Chlorobenzene	11.51	112	77343	19.651	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	24891	19.681	ug/l	97
67) Ethyl Benzene	11.59	91	142061	19.856	ug/l	98
68) m/p-Xylenes	11.70	106	109585	39.720	ug/l	98
69) o-Xylene	12.02	106	51692	19.600	ug/l	99
70) Styrene	12.04	104	87500	19.636	ug/l	98
71) Bromoform	12.20	173	14175	19.851	ug/l #	99
73) Isopropylbenzene	12.32	105	134129	20.121	ug/l	100
74) N-amyl acetate	12.14	43	37721	20.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	26977	20.269	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	39009	44.460	ug/l #	100
77) Bromobenzene	12.60	156	28507	20.451	ug/l	97
78) n-propylbenzene	12.66	91	163091	19.783	ug/l	100
79) 2-Chlorotoluene	12.75	91	89570	19.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	110996	19.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	11316	21.200	ug/l #	79
82) 4-Chlorotoluene	12.85	91	93367	20.002	ug/l	96
83) tert-Butylbenzene	13.07	119	91838	20.097	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	110625	19.871	ug/l	99
85) sec-Butylbenzene	13.25	105	135813	19.882	ug/l	99
86) p-Isopropyltoluene	13.37	119	114679	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	54286	19.904	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	54570	19.602	ug/l	99
89) n-Butylbenzene	13.69	91	118964	19.913	ug/l	98
90) Hexachloroethane	13.96	117	22244	19.285	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	51525	20.025	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5372	21.960	ug/l	80

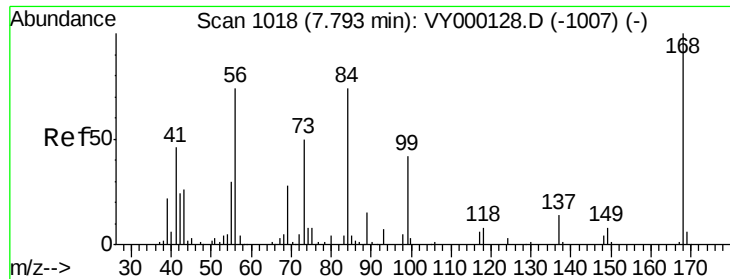
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
Data File : VY000133.D
Acq On : 23 Sep 2019 15:54
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Instrument :
MSVOA_Y
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VY0923SBS01

Quant Time: Sep 24 05:21:55 2019
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Quant Title : SW846 8260
QLast Update : Tue Sep 24 05:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32569	19.687	ug/l	99
94) Hexachlorobutadiene	15.11	225	14896	20.259	ug/l	97
95) Naphthalene	15.23	128	86834	20.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	31031	21.032	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

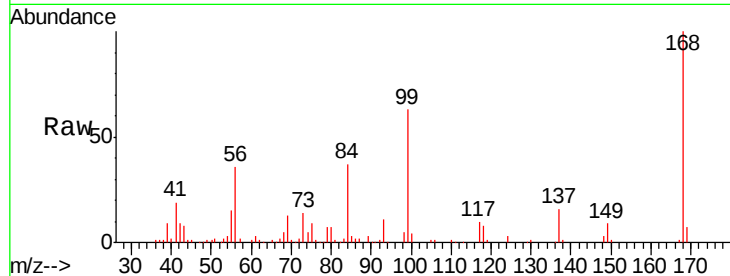
VY0923SBS01

Tgt Ion:168 Resp: 111580

Ion Ratio Lower Upper

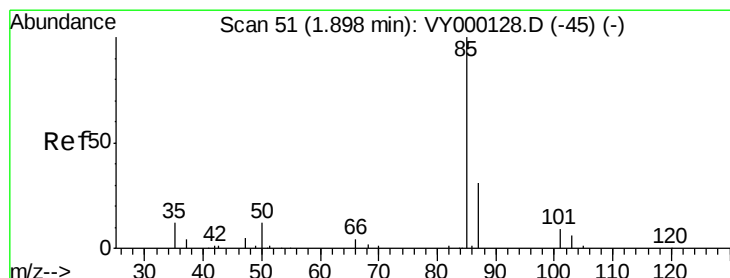
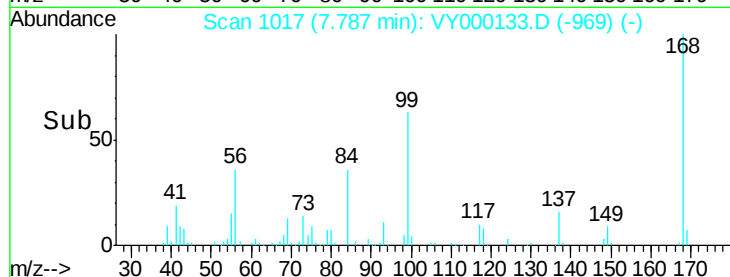
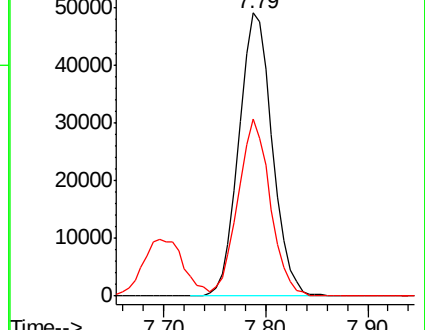
168 100

99 62.5 49.9 74.9



Abundance Ion 167.90 (167.60 to 168.60): VY000128.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000128.D (-1007) (-)



#2

Dichlorodifluoromethane

Concen: 23.267 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000133.D

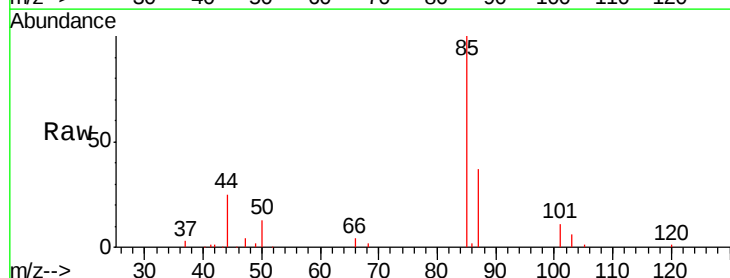
Acq: 23 Sep 2019 15:54

Tgt Ion: 85 Resp: 25754

Ion Ratio Lower Upper

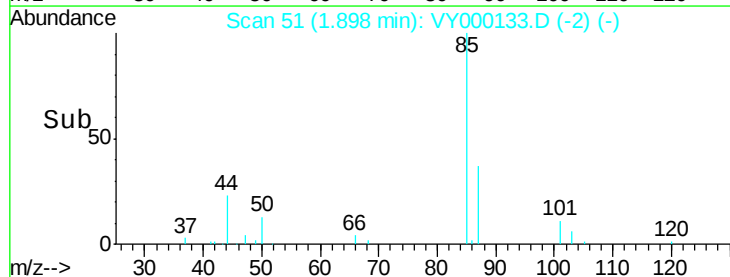
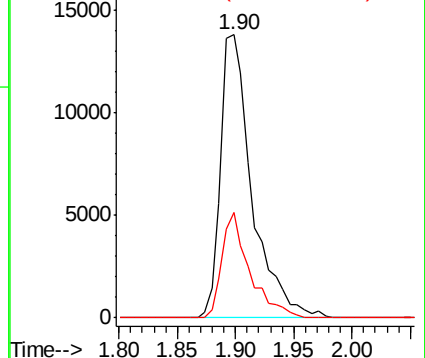
85 100

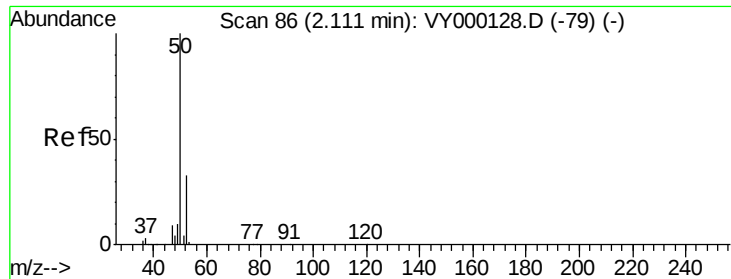
87 37.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VY000128.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000128.D (-45) (-)





#3

Chloromethane

Concen: 16.146 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

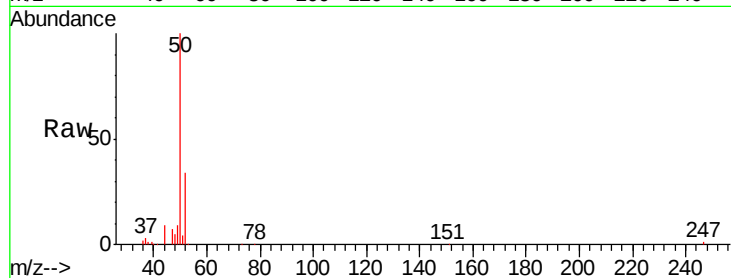
VY0923SBS01

Tgt Ion: 50 Resp: 33757

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

20000

15000

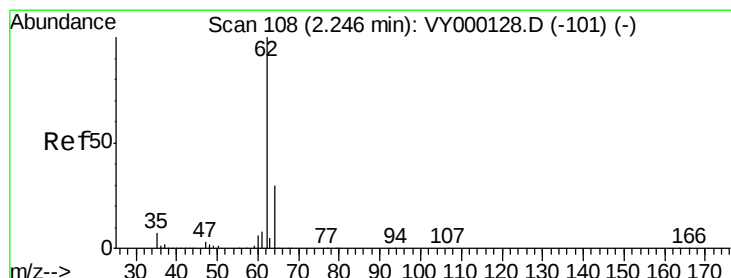
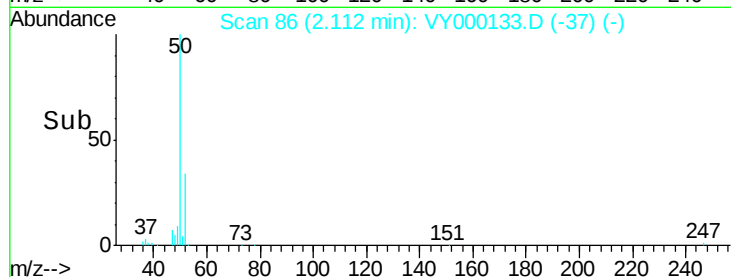
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 20.695 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000133.D

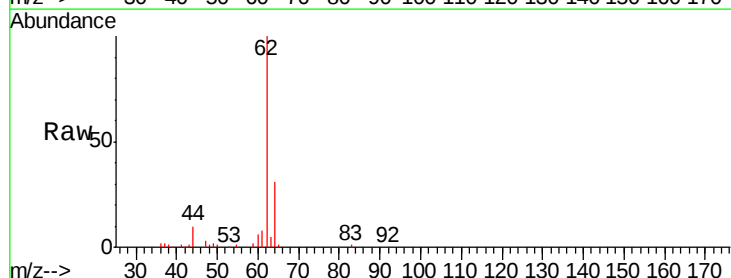
Acq: 23 Sep 2019 15:54

Tgt Ion: 62 Resp: 35502

Ion Ratio Lower Upper

62 100

64 31.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

25000

20000

15000

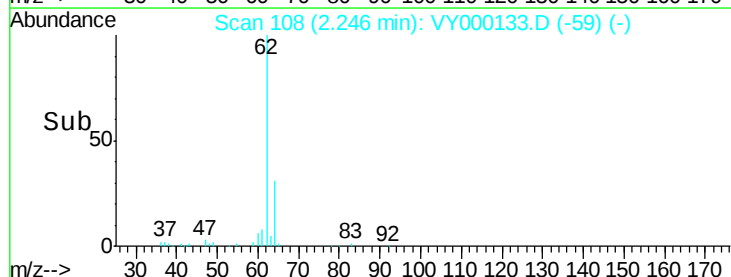
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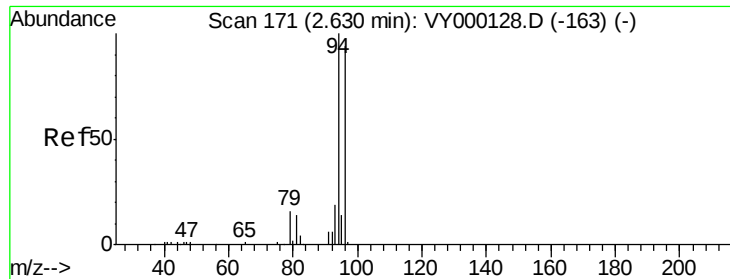
5000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 22.988 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

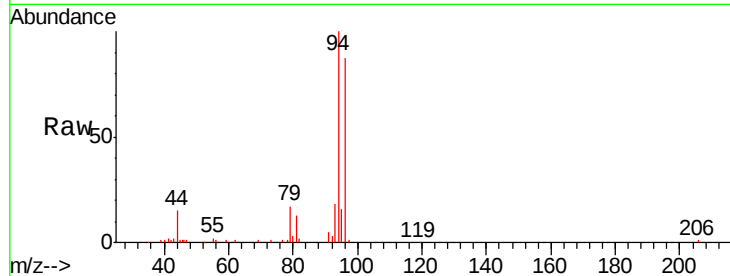
VY0923SBS01

Tgt Ion: 94 Resp: 24427

Ion Ratio Lower Upper

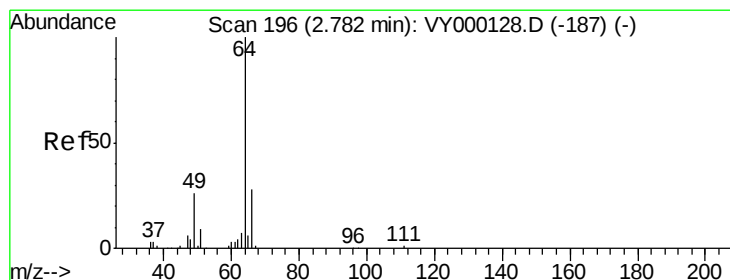
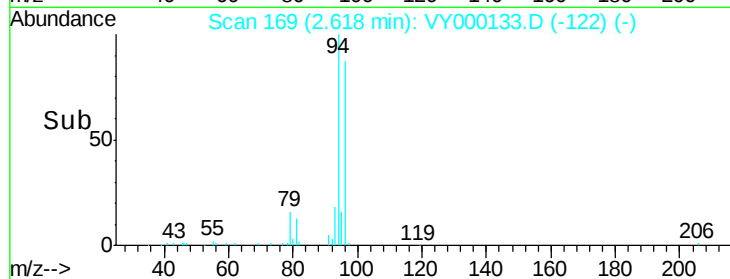
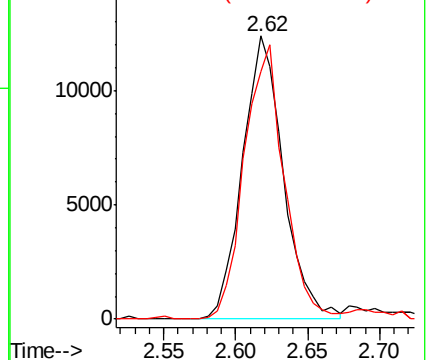
94 100

96 87.4 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.303 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000133.D

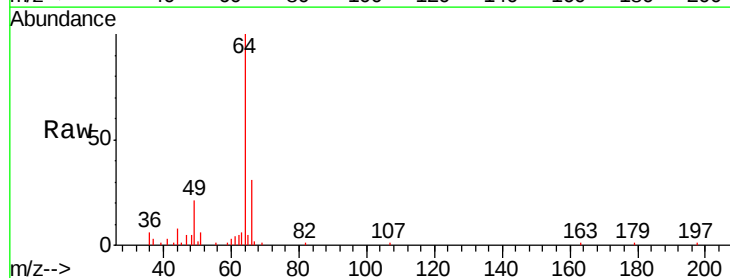
Acq: 23 Sep 2019 15:54

Tgt Ion: 64 Resp: 22577

Ion Ratio Lower Upper

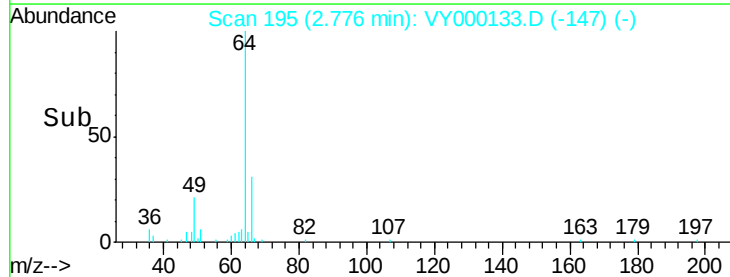
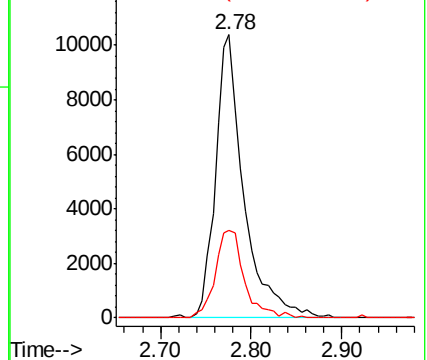
64 100

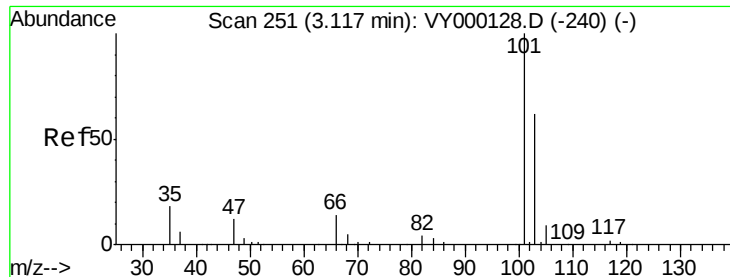
66 31.0 22.4 33.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



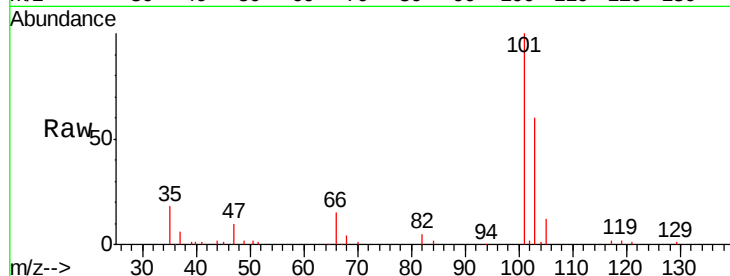


#7

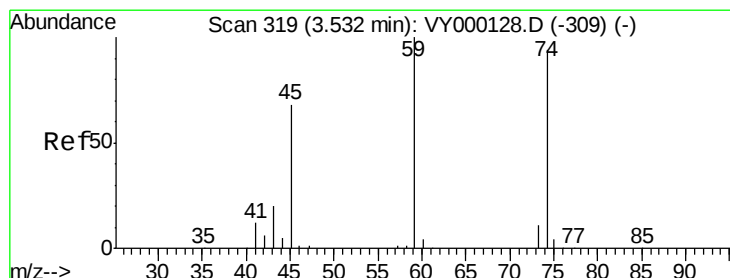
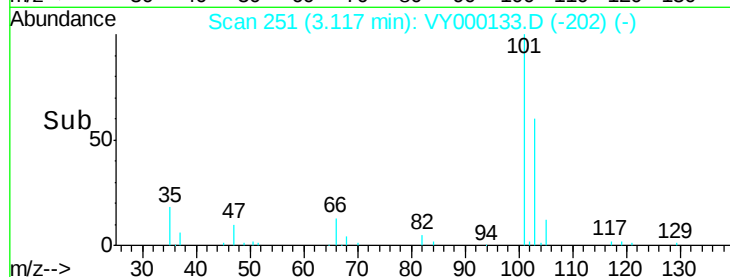
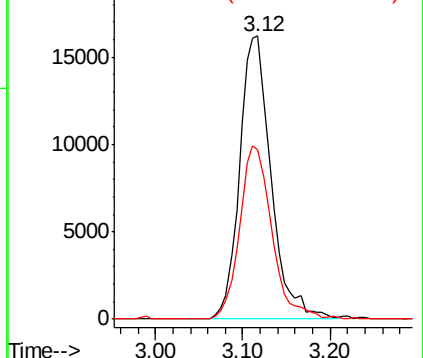
Trichlorofluoromethane
Concen: 20.672 ug/l
RT: 3.12 min Scan# 251
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tgt Ion: 101 Resp: 40507
Ion Ratio Lower Upper
101 100
103 60.0 49.9 74.9



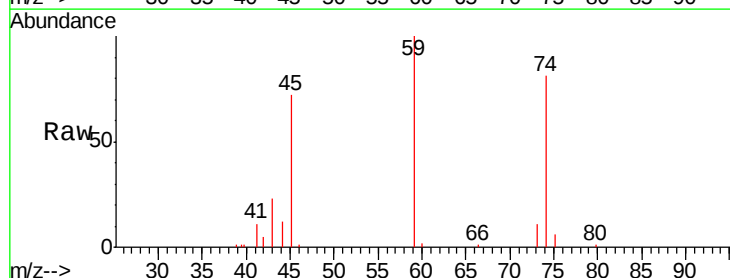
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



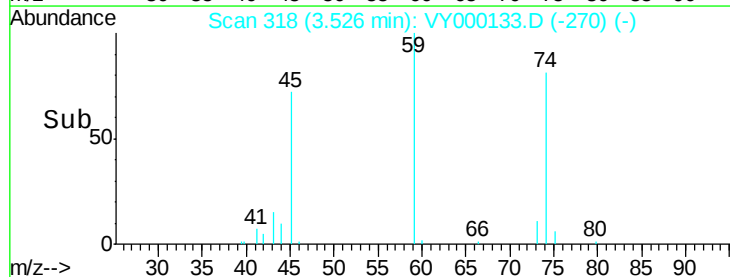
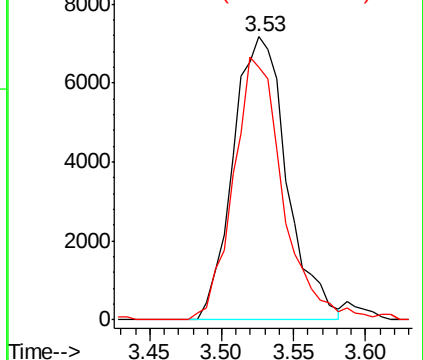
#8

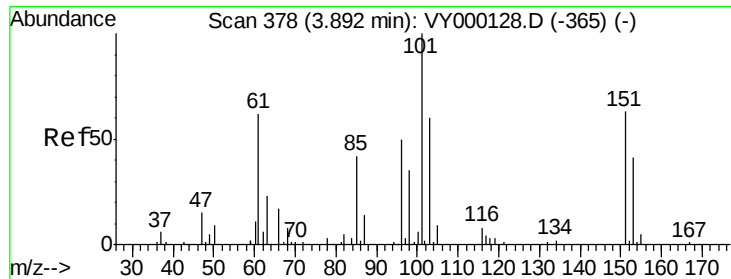
Diethyl Ether
Concen: 22.139 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 74 Resp: 18596
Ion Ratio Lower Upper
74 100
45 86.0 40.1 120.2



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.816 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

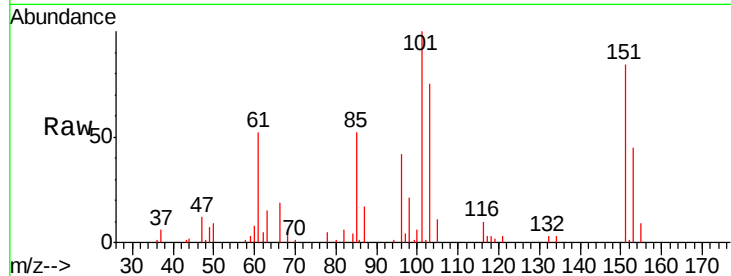
Tgt Ion:101 Resp: 25746

Ion Ratio Lower Upper

101 100

85 47.4 36.7 55.1

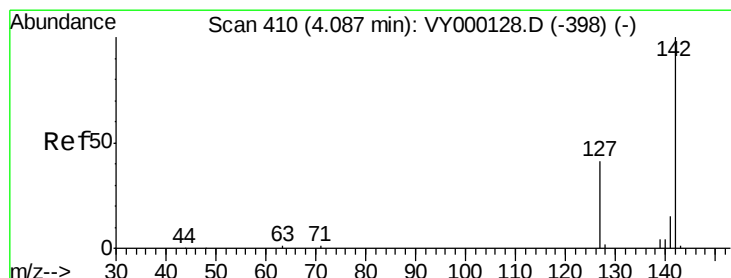
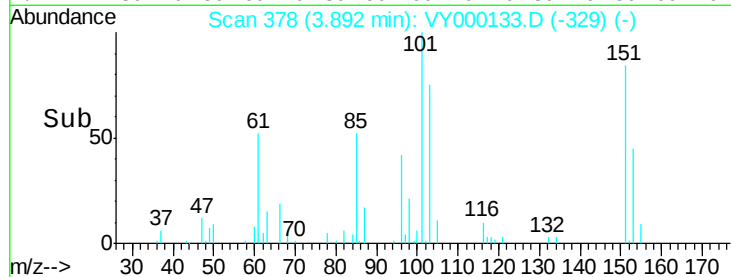
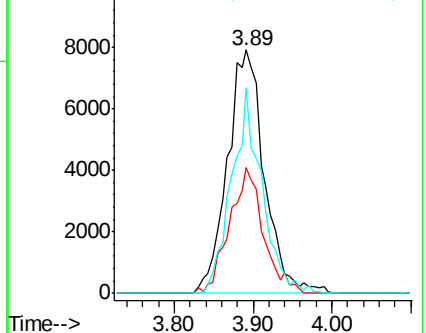
151 69.3 53.9 80.9



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: 16.454 ug/l

RT: 4.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

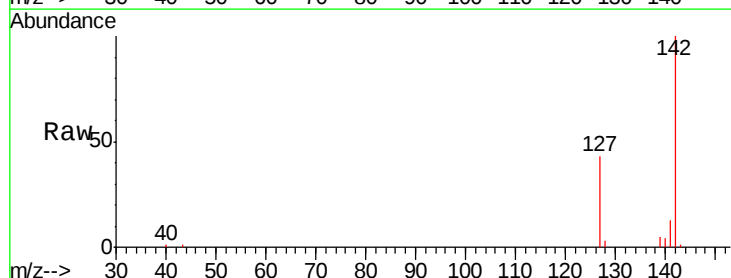
Tgt Ion:142 Resp: 27426

Ion Ratio Lower Upper

142 100

127 39.7 32.8 49.2

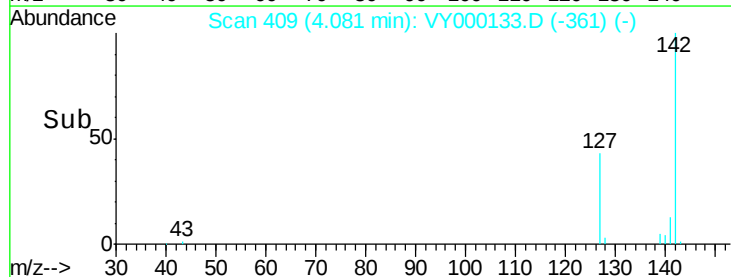
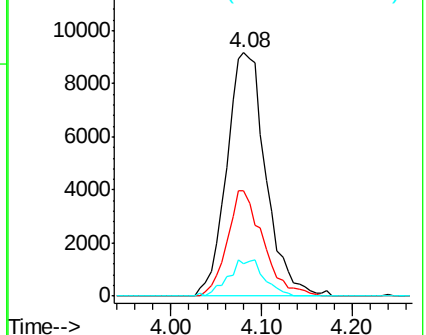
141 13.8 10.8 16.2

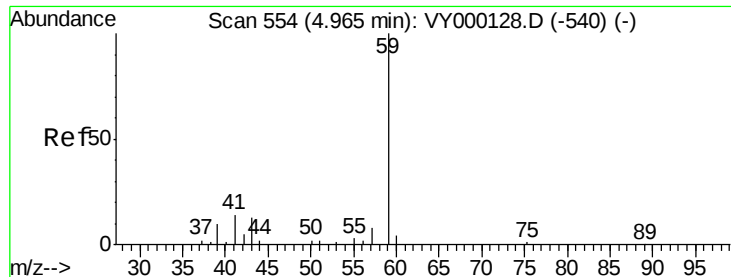


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



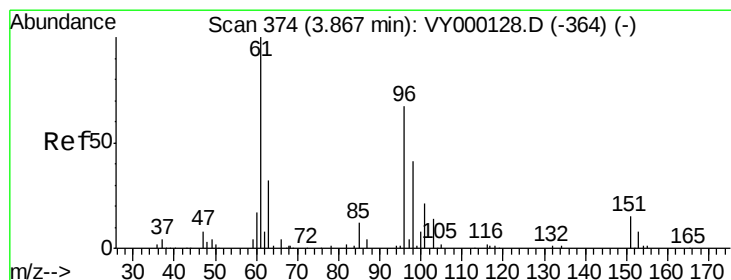
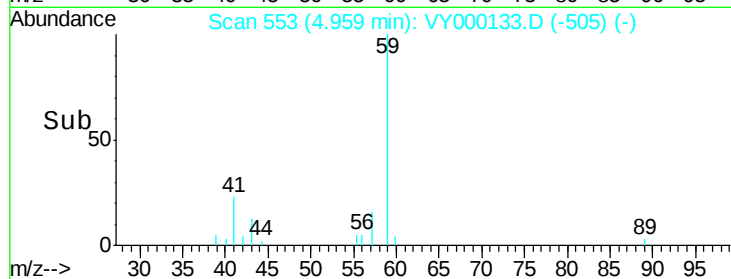
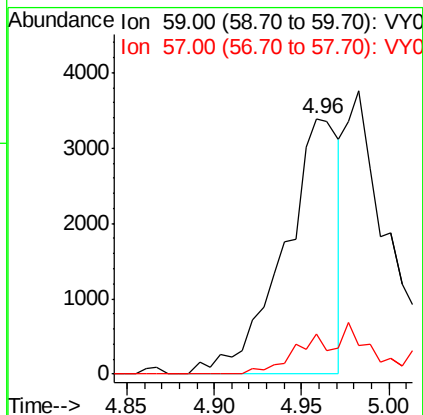
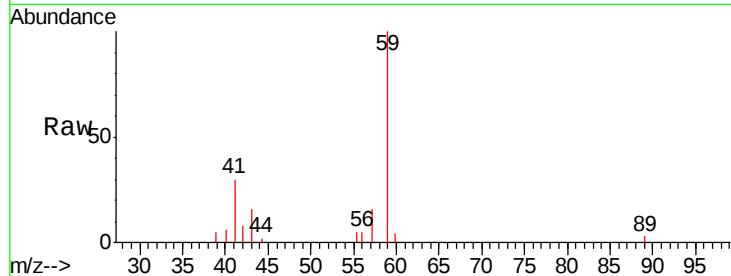


#11

Tert butyl alcohol
Concen: 56.448 ug/l
RT: 4.96 min Scan# 553
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

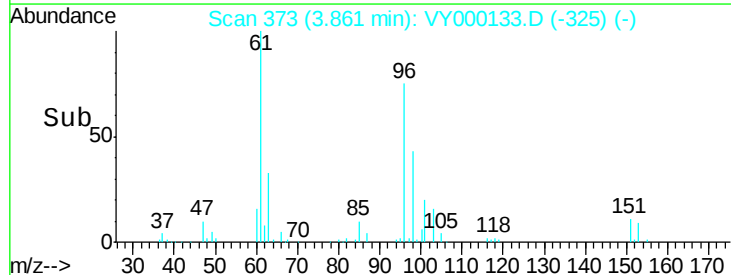
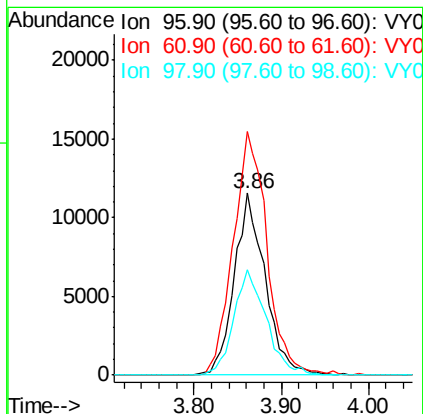
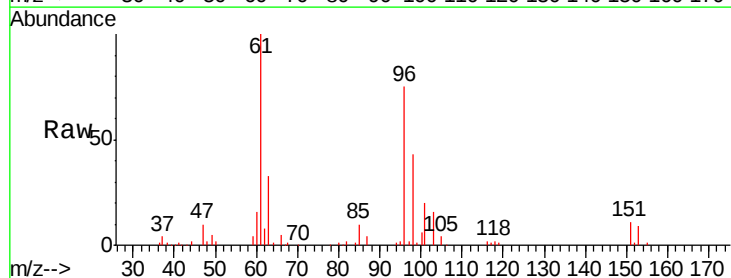
Tgt Ion: 59 Resp: 7475
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4

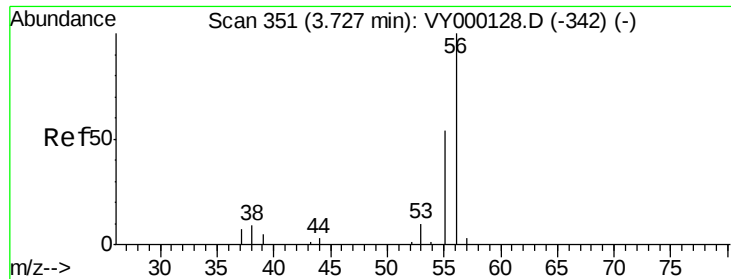


#12

1,1-Dichloroethene
Concen: 21.231 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 96 Resp: 28490
Ion Ratio Lower Upper
96 100
61 133.9 119.8 179.6
98 58.2 48.8 73.2

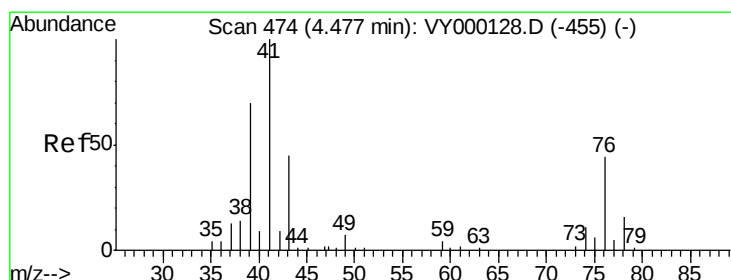
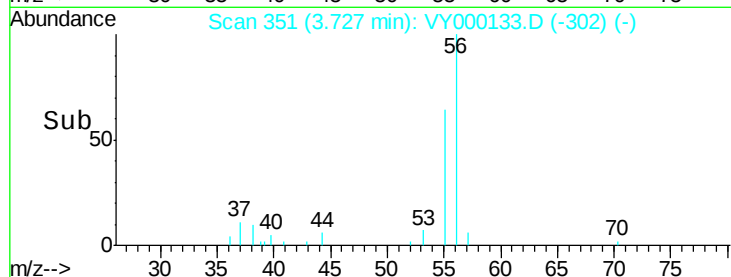
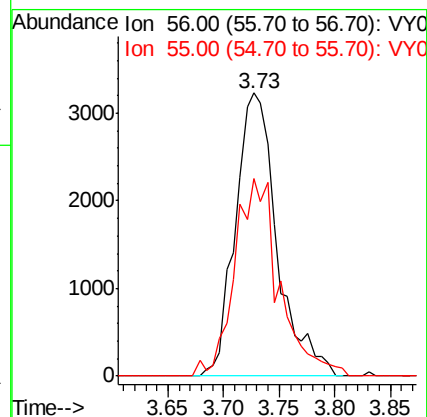
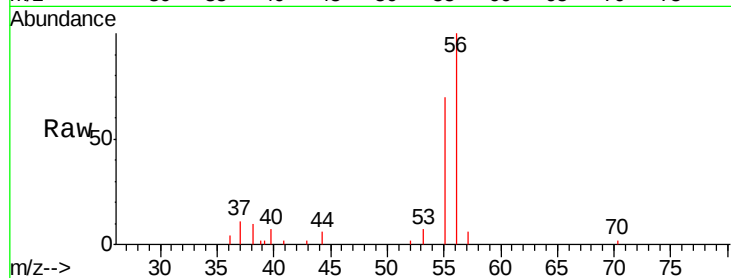




#13
Acrolein
Concen: 156.144 ug/l
RT: 3.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

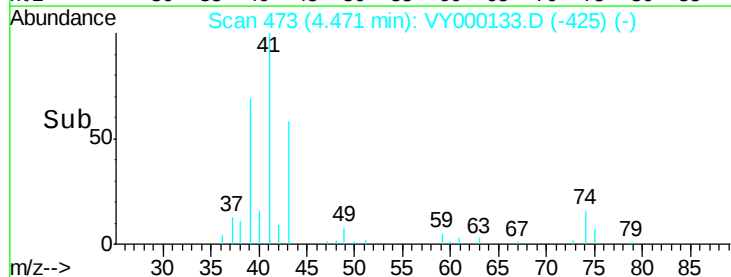
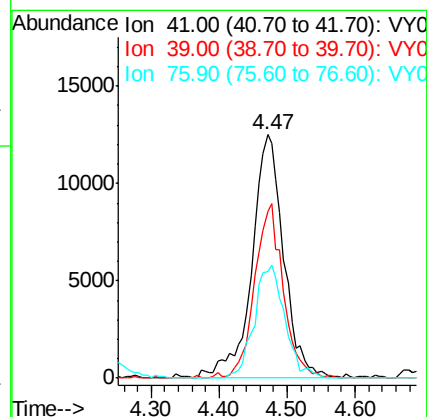
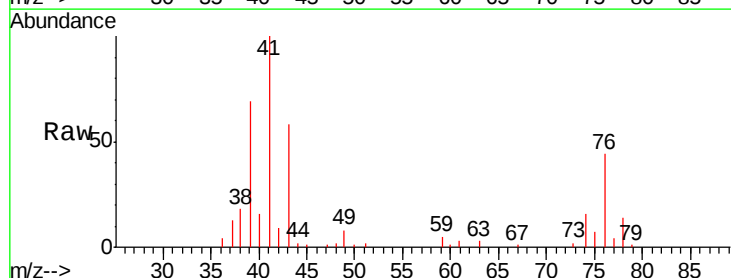
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

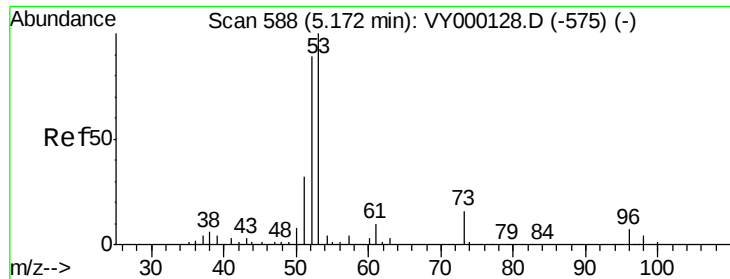
Tgt Ion: 56 Resp: 8401
Ion Ratio Lower Upper
56 100
55 74.5 49.4 74.0#



#14
Allyl chloride
Concen: 21.477 ug/l
RT: 4.47 min Scan# 473
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 41 Resp: 40681
Ion Ratio Lower Upper
41 100
39 64.2 52.7 79.1
76 44.7 36.6 55.0





#15

Acrylonitrile

Concen: 112.659 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

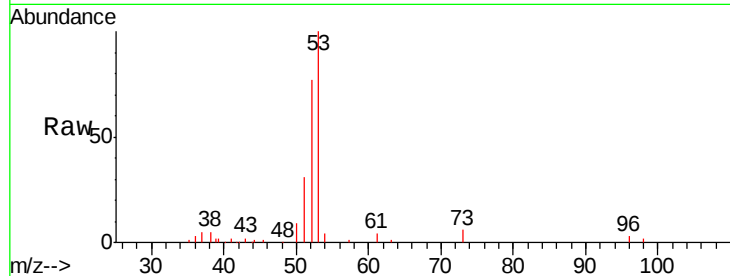
Tgt Ion: 53 Resp: 45871

Ion Ratio Lower Upper

53 100

52 77.9 63.8 95.8

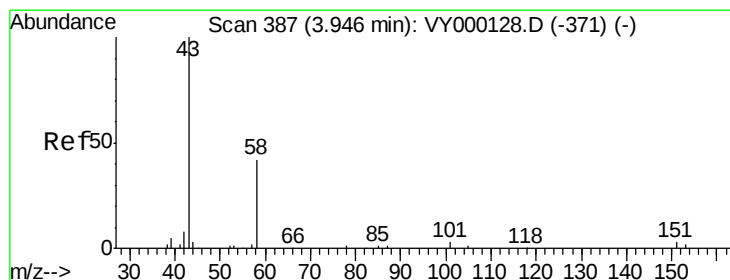
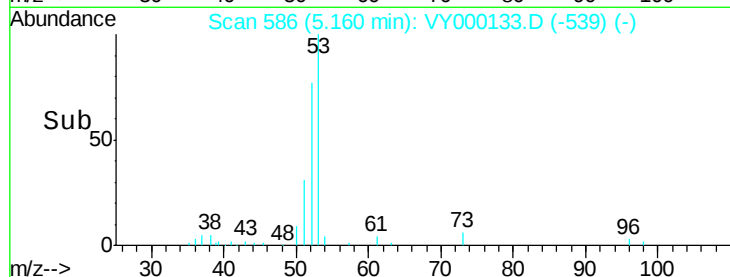
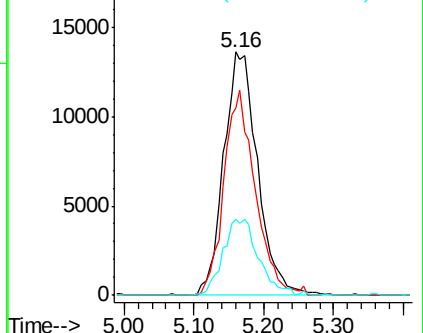
51 32.7 26.6 40.0



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: 109.085 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000133.D

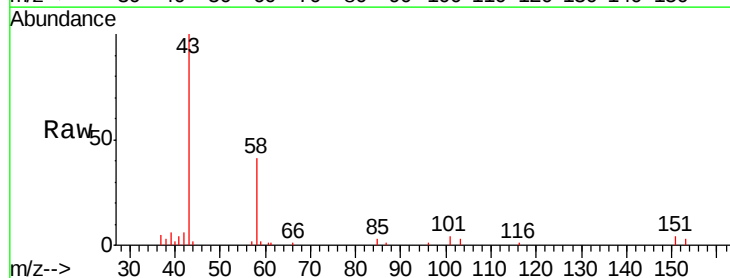
Acq: 23 Sep 2019 15:54

Tgt Ion: 43 Resp: 27199

Ion Ratio Lower Upper

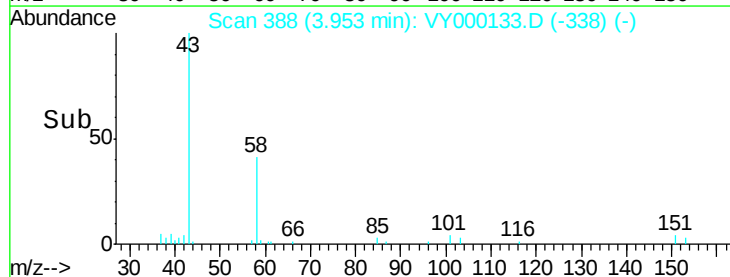
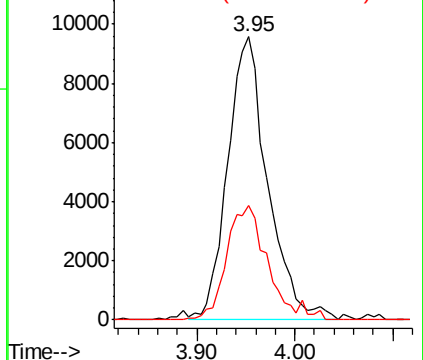
43 100

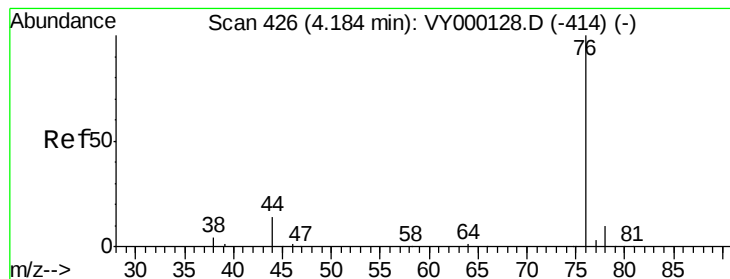
58 40.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 20.811 ug/l

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

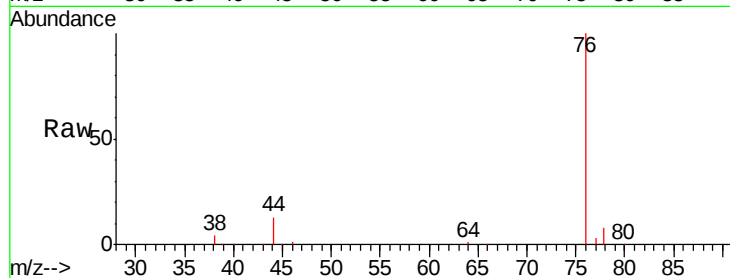
VY0923SBS01

Tgt Ion: 76 Resp: 96220

Ion Ratio Lower Upper

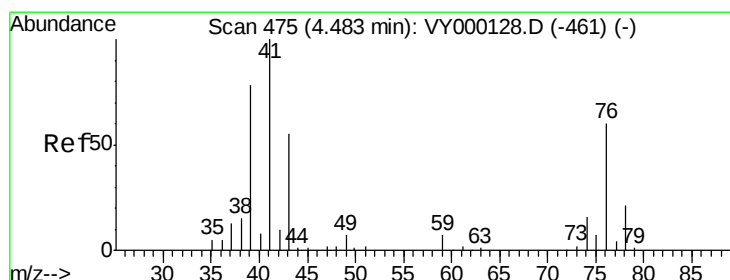
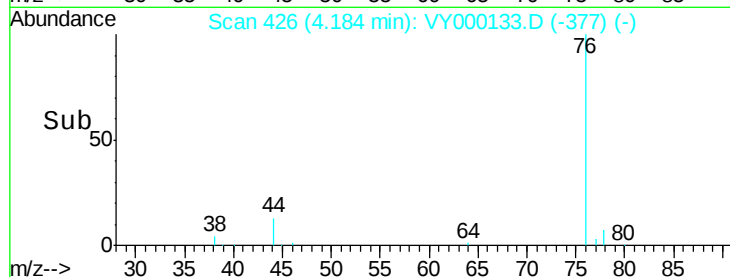
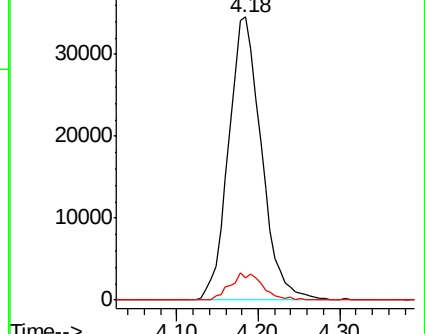
76 100

78 7.7 7.9 11.9#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 23.626 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000133.D

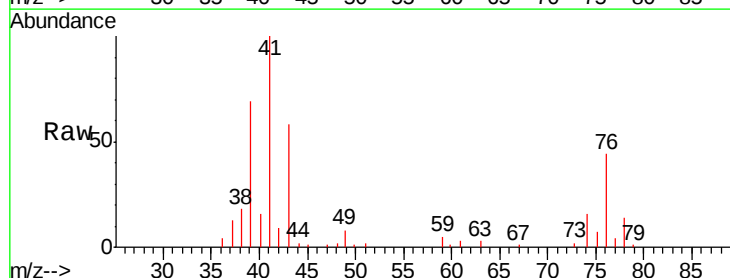
Acq: 23 Sep 2019 15:54

Tgt Ion: 43 Resp: 21580

Ion Ratio Lower Upper

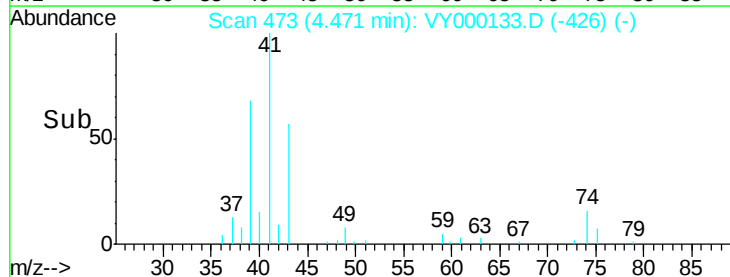
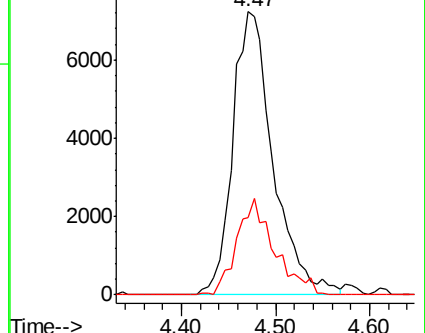
43 100

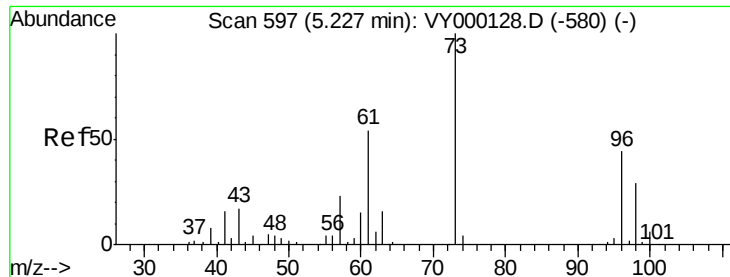
74 31.8 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

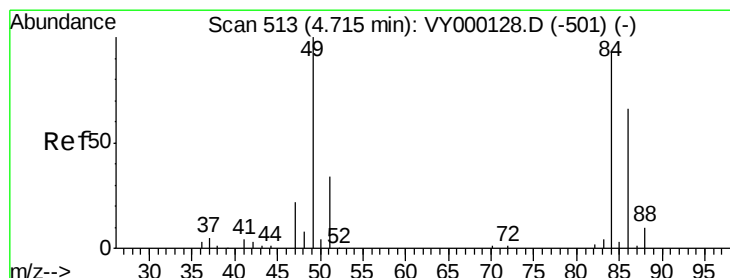
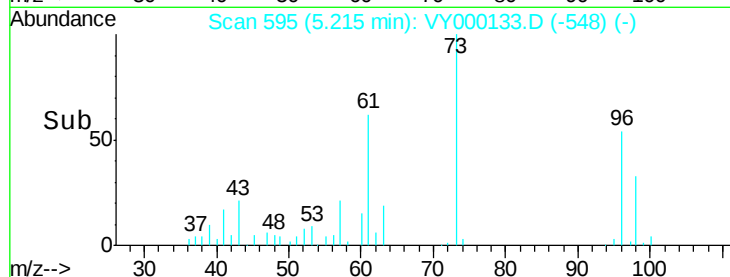
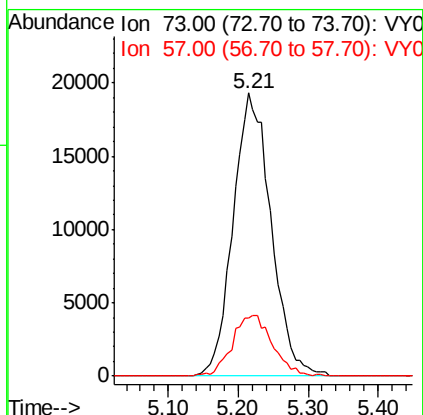
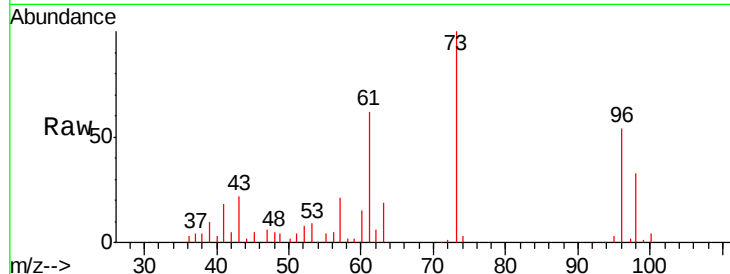




#19
Methyl tert-butyl Ether
Concen: 20.849 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

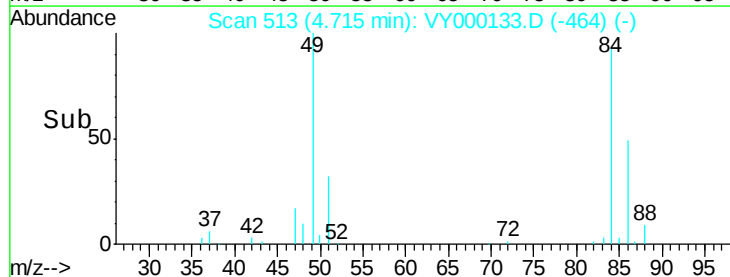
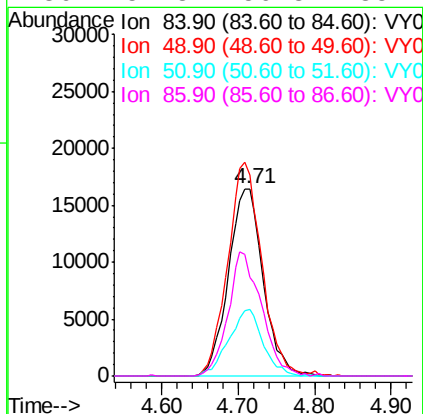
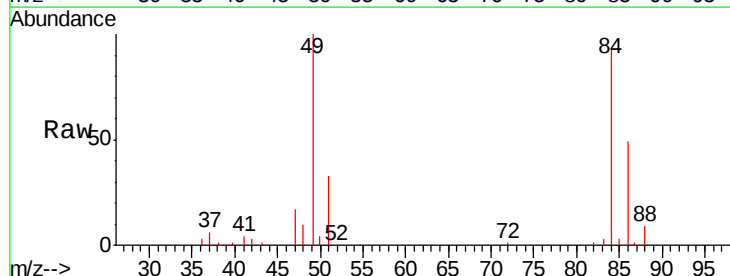
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

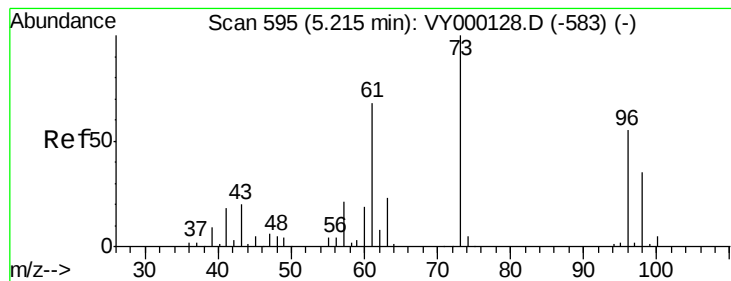
Tgt Ion: 73 Resp: 72699
Ion Ratio Lower Upper
73 100
57 20.7 18.3 27.5



#20
Methylene Chloride
Concen: 30.918 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 84 Resp: 51806
Ion Ratio Lower Upper
84 100
49 107.3 85.8 128.6
51 35.4 29.2 43.8
86 52.8 56.8 85.2#





#21

trans-1,2-Dichloroethene

Concen: 21.484 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

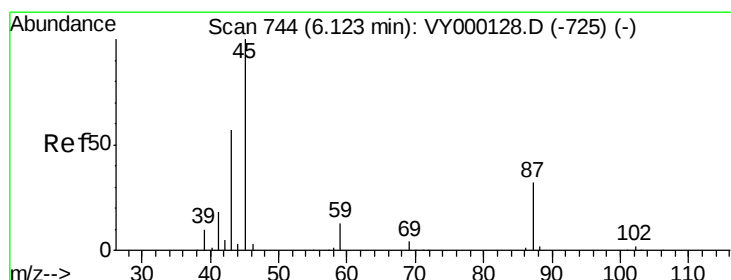
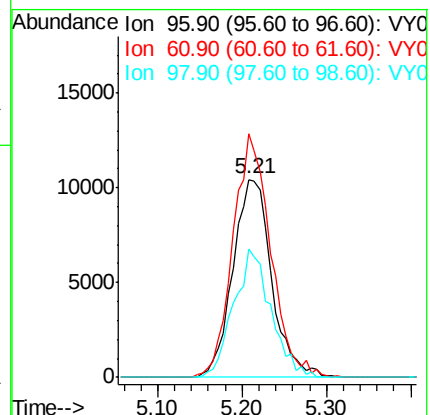
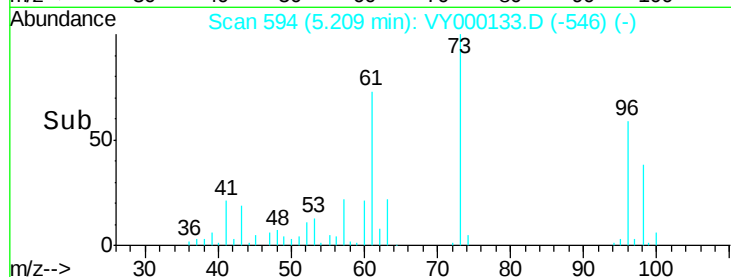
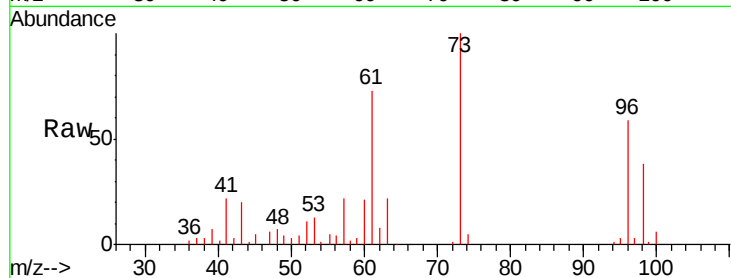
Tgt Ion: 96 Resp: 32512

Ion Ratio Lower Upper

96 100

61 123.2 99.0 148.6

98 64.7 51.0 76.4



#22

Diisopropyl ether

Concen: 20.369 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion: 45 Resp: 82263

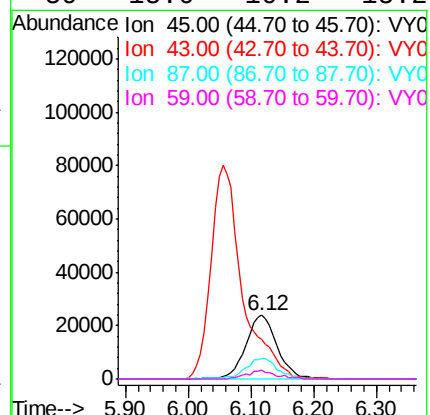
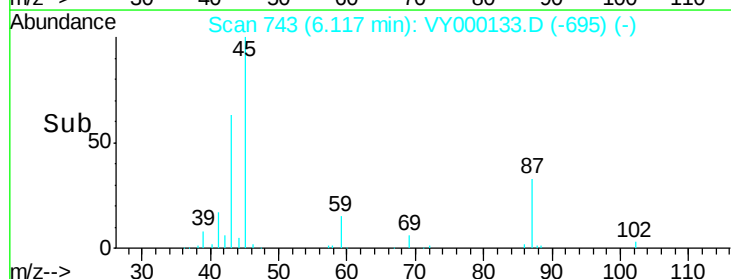
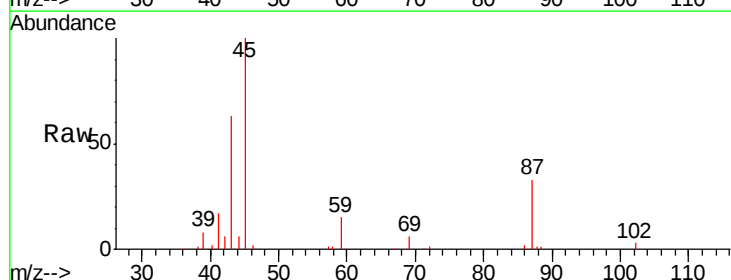
Ion Ratio Lower Upper

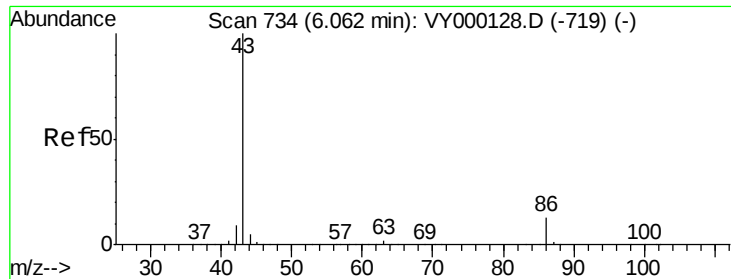
45 100

43 62.9 48.2 72.4

87 33.1 25.9 38.9

59 15.0 10.2 15.2

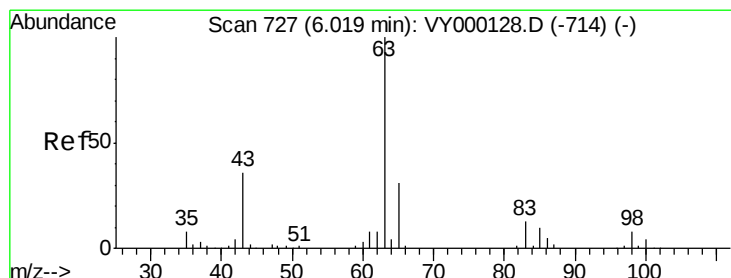
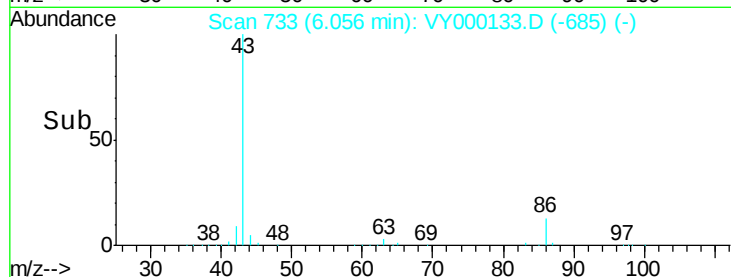
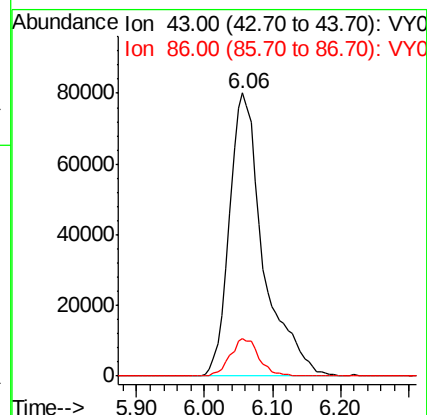
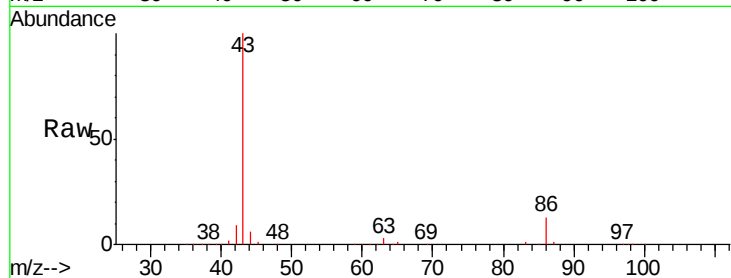




#23
 Vinyl Acetate
 Concen: 102.975 ug/l
 RT: 6.06 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

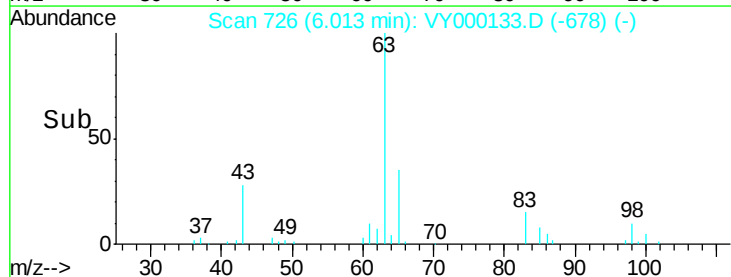
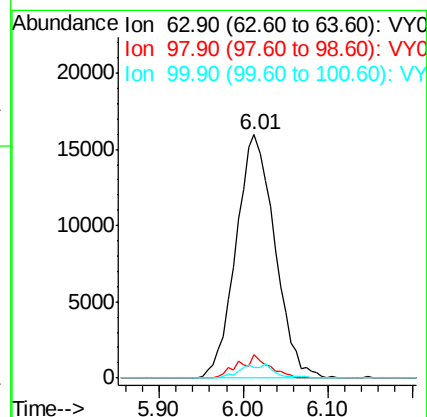
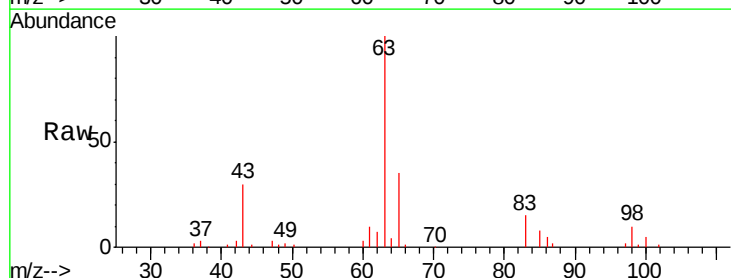
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

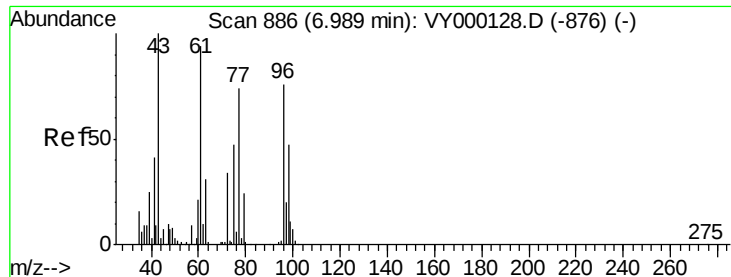
Tgt Ion: 43 Resp: 277148
 Ion Ratio Lower Upper
 43 100
 86 13.2 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 20.743 ug/l
 RT: 6.01 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 63 Resp: 49905
 Ion Ratio Lower Upper
 63 100
 98 9.6 3.9 11.7
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 106.102 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

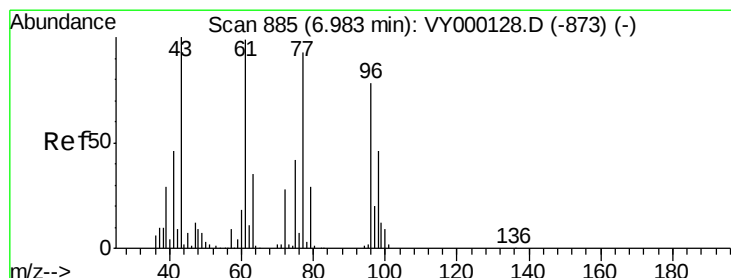
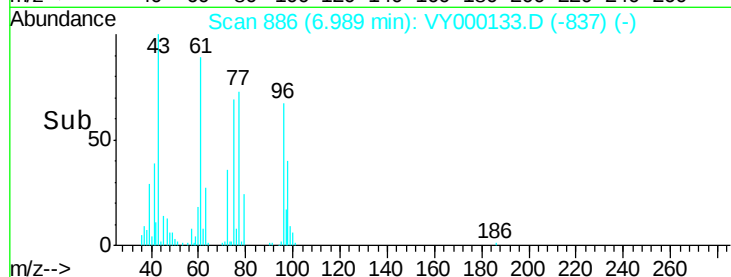
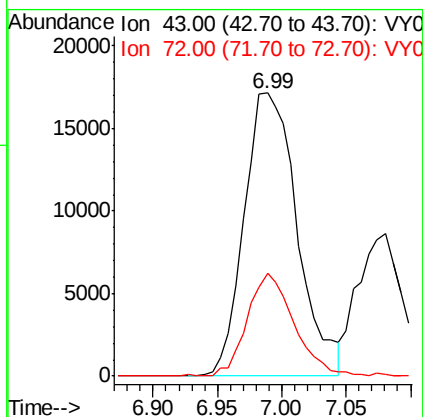
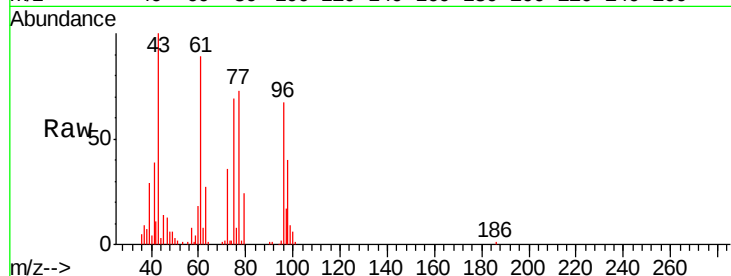
VY0923SBS01

Tgt Ion: 43 Resp: 49083

Ion Ratio Lower Upper

43 100

72 35.9 27.0 40.6



#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000133.D

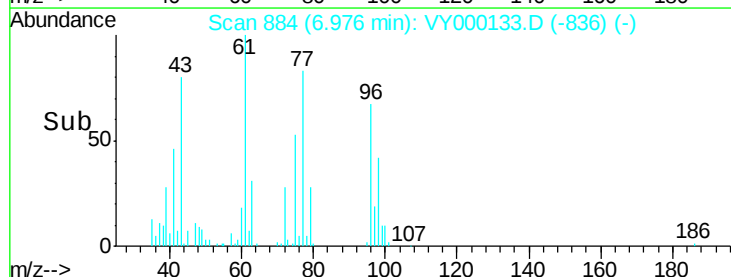
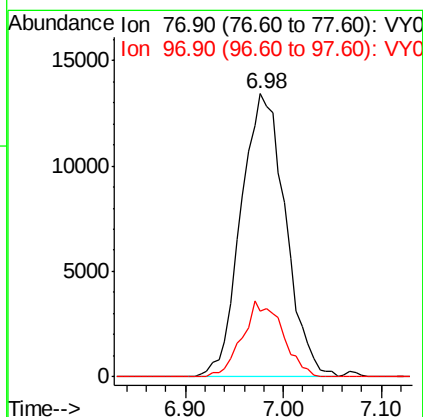
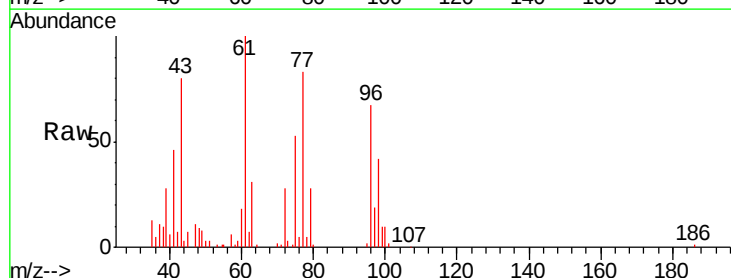
Acq: 23 Sep 2019 15:54

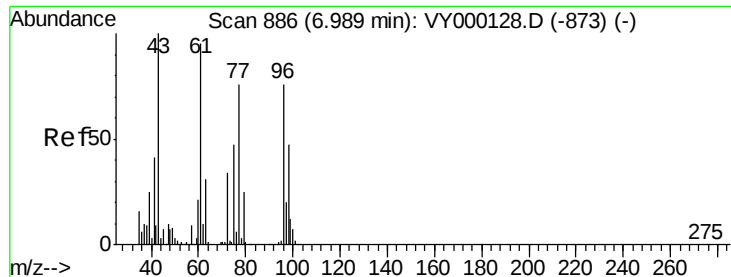
Tgt Ion: 77 Resp: 42421

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0



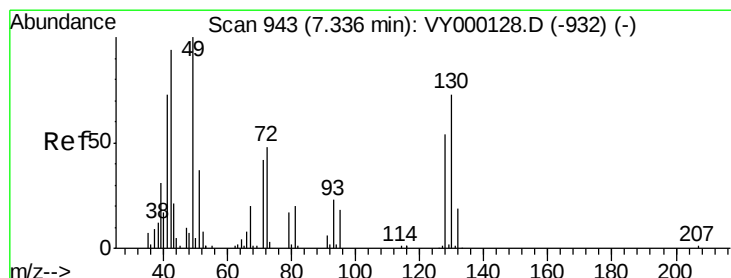
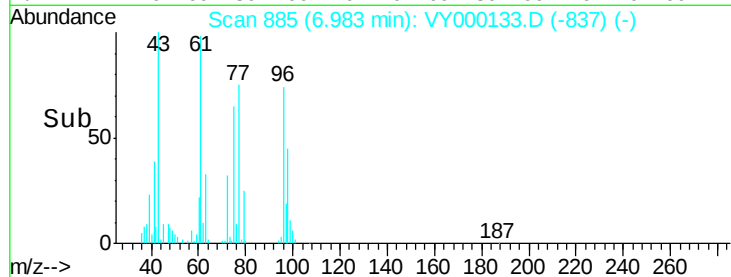
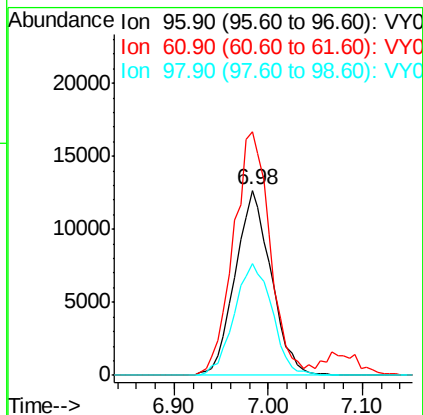
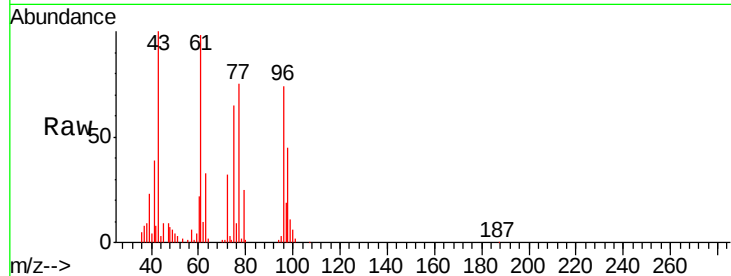


#27

cis-1,2-Dichloroethene
 Concen: 20.072 ug/l
 RT: 6.98 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

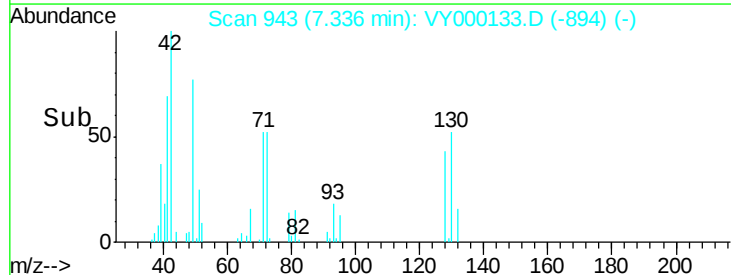
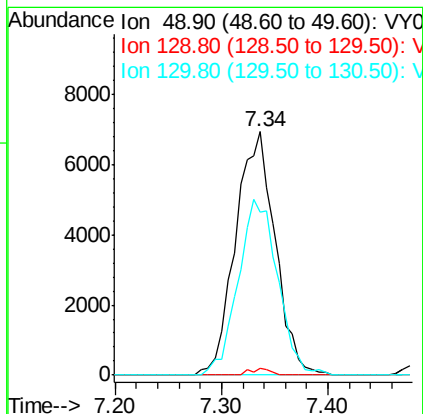
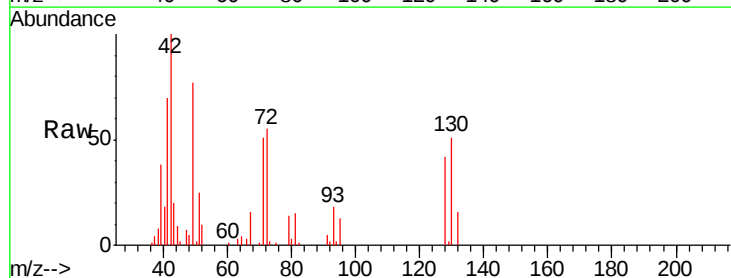
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	254.8
98	63.7	0.0	127.8

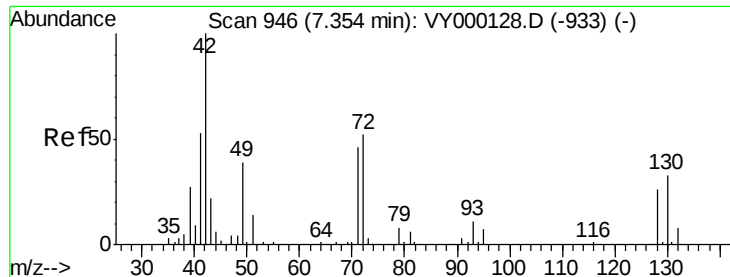


#28

Bromochloromethane
 Concen: 19.293 ug/l
 RT: 7.34 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	72.2	62.0	93.0

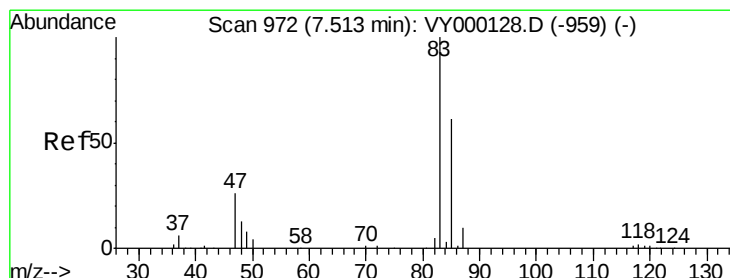
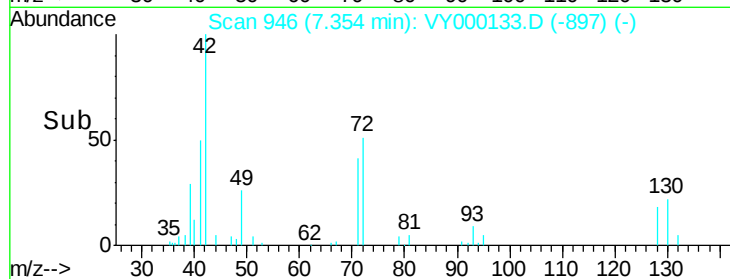
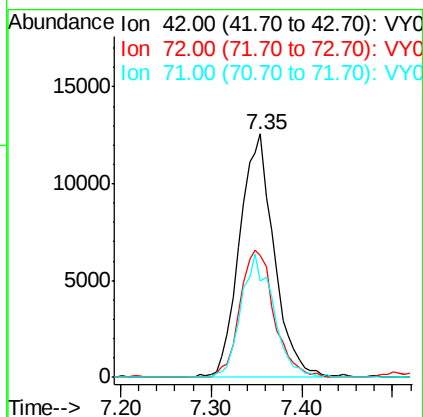
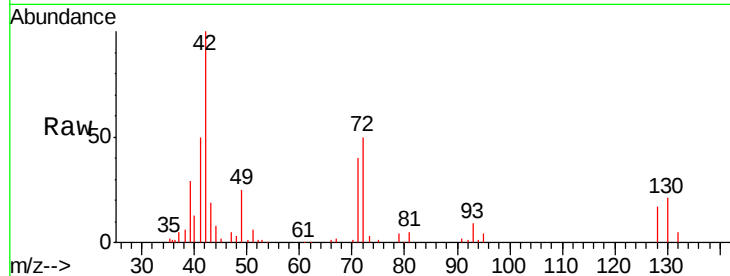




#29
Tetrahydrofuran
Concen: 105.679 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

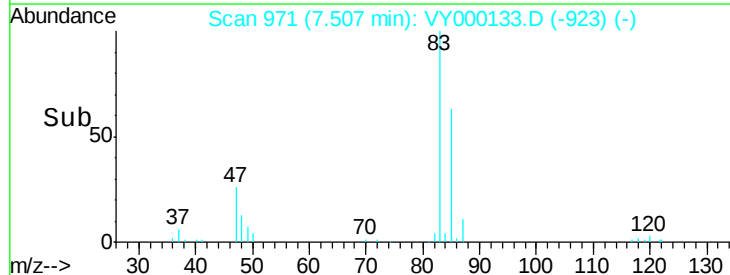
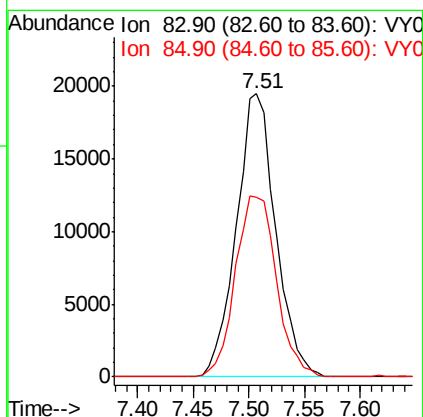
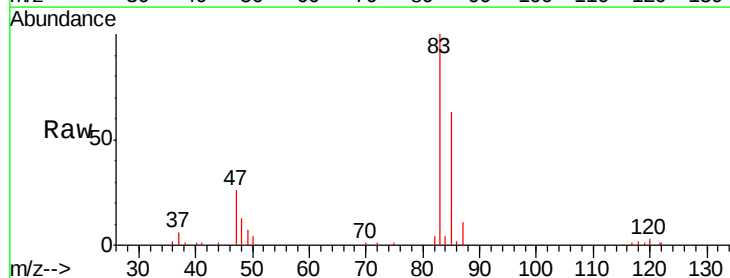
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

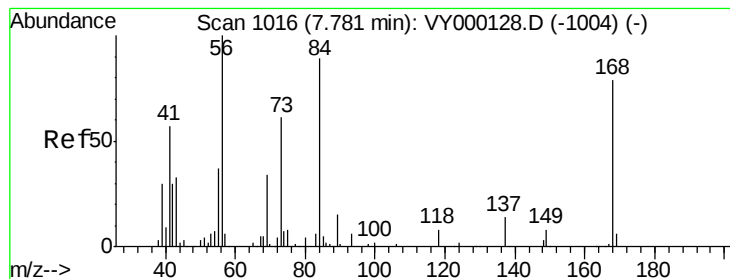
Tgt Ion: 42 Resp: 33106
Ion Ratio Lower Upper
42 100
72 52.0 41.8 62.8
71 47.7 38.6 58.0



#30
Chloroform
Concen: 19.745 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 83 Resp: 47824
Ion Ratio Lower Upper
83 100
85 63.4 49.0 73.6





#31

Cyclohexane

Concen: 20.788 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampled :

VY0923SBS01

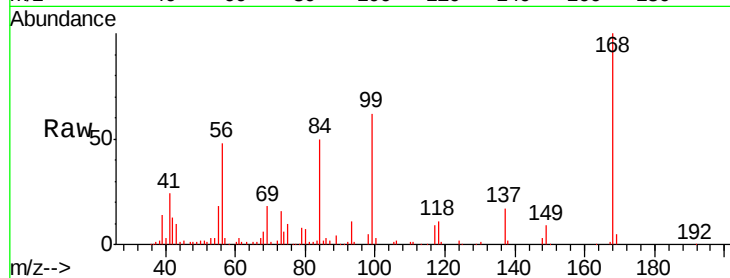
Tgt Ion: 56 Resp: 51861

Ion Ratio Lower Upper

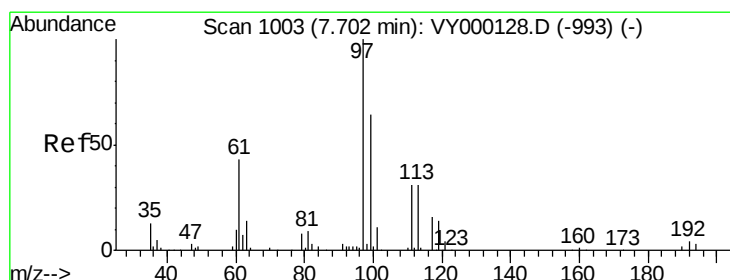
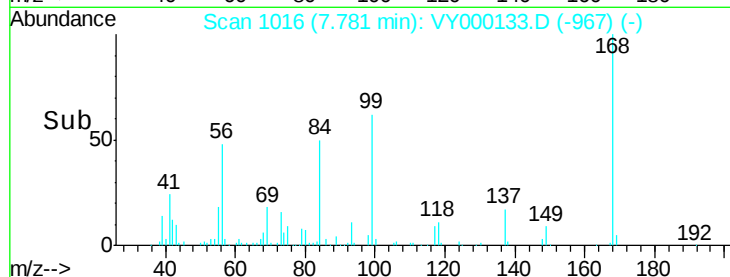
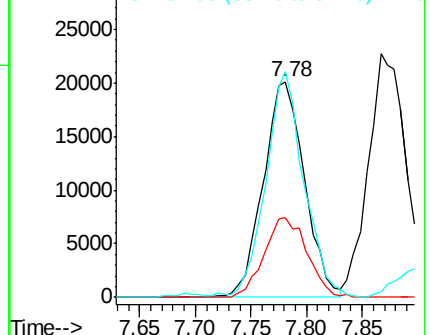
56 100

69 37.2 27.1 40.7

84 103.3 71.3 106.9



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



#32

1,1,1-Trichloroethane

Concen: 20.834 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

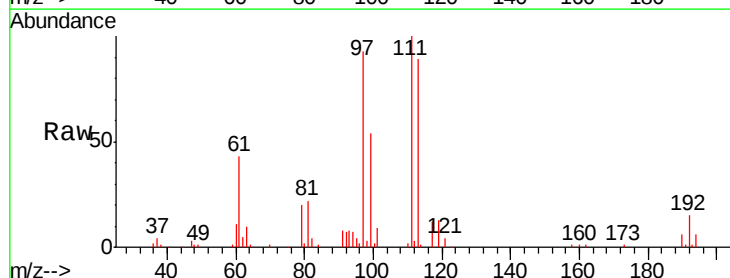
Tgt Ion: 97 Resp: 41514

Ion Ratio Lower Upper

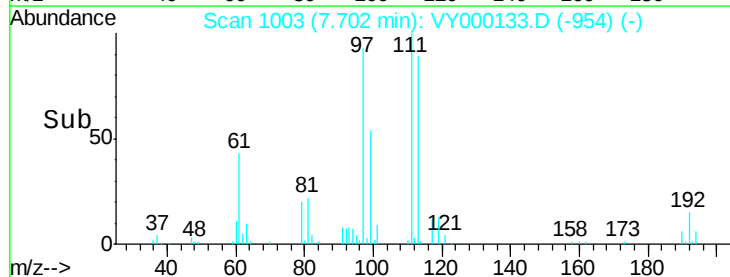
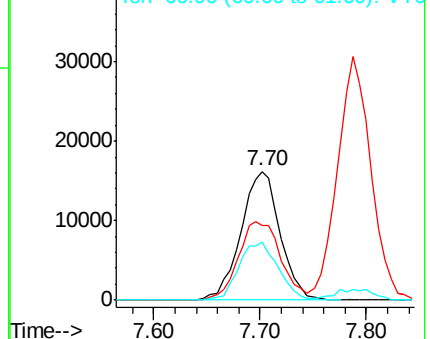
97 100

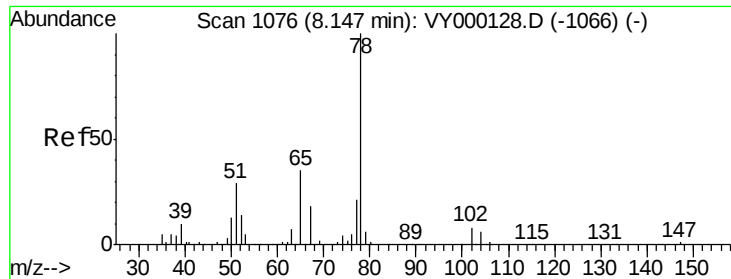
99 66.6 51.3 76.9

61 45.4 36.0 54.0



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





#33

1,2-Dichloroethane-d4

Concen: 51.111 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

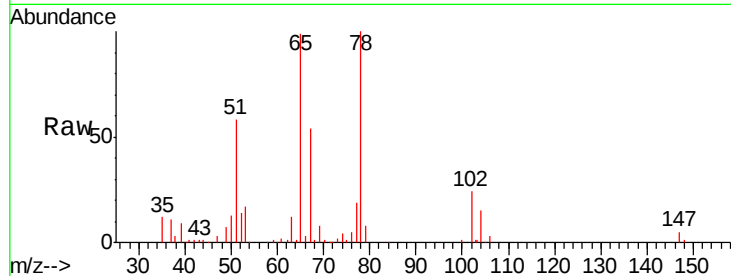
VY0923SBS01

Tgt Ion: 65 Resp: 65556

Ion Ratio Lower Upper

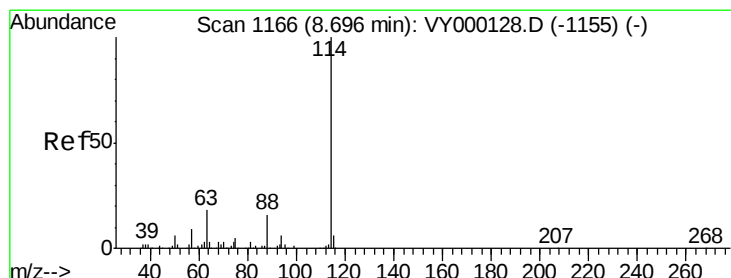
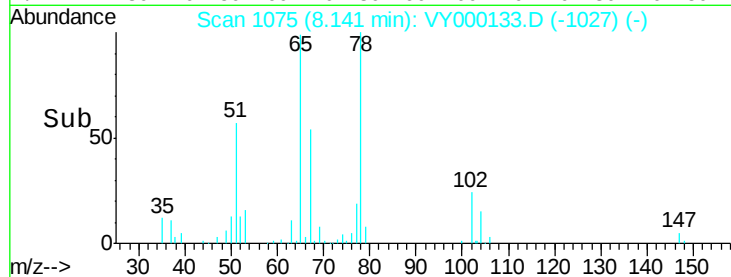
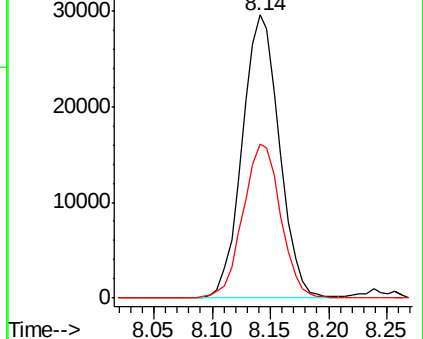
65 100

67 55.0 0.0 109.6



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# 1165

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

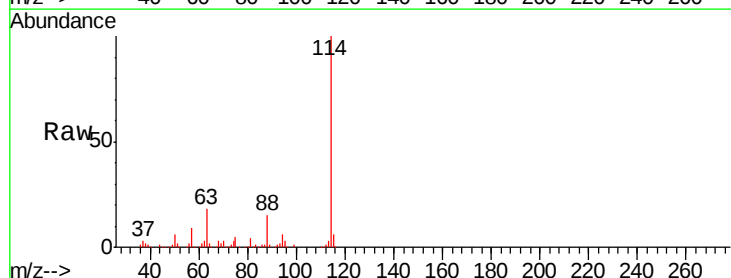
Tgt Ion: 114 Resp: 221538

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

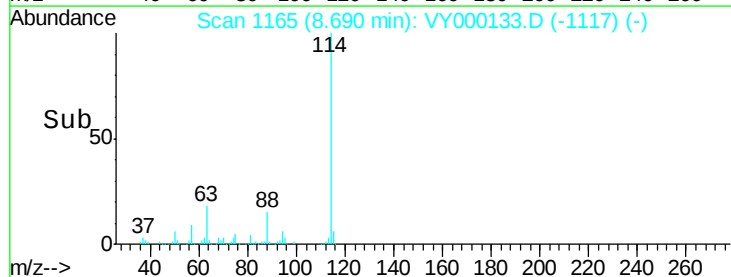
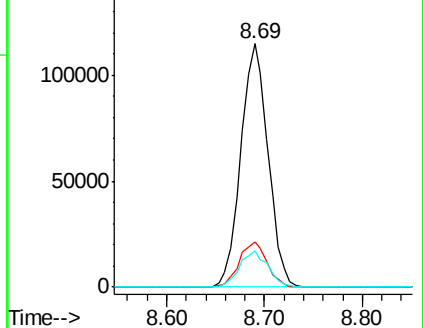
88 14.8 0.0 31.8

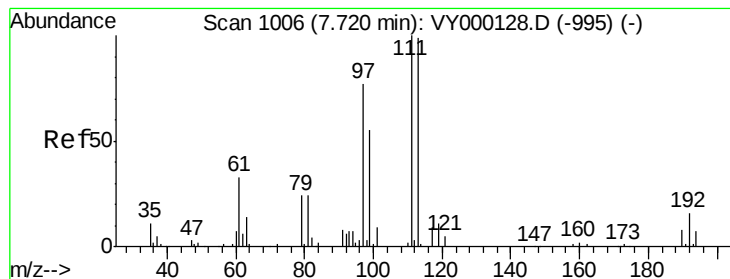


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 46.945 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

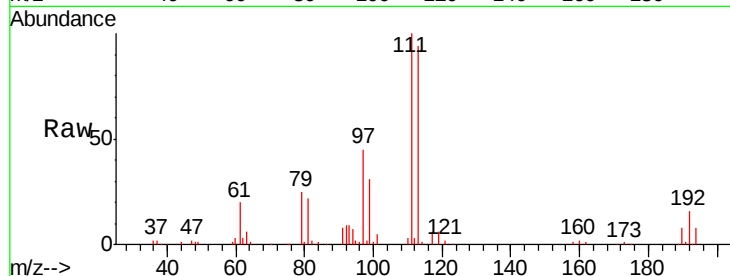
Tgt Ion:113 Resp: 59717

Ion Ratio Lower Upper

113 100

111 107.5 83.0 124.4

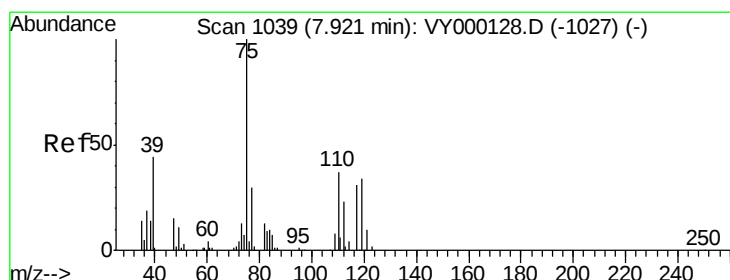
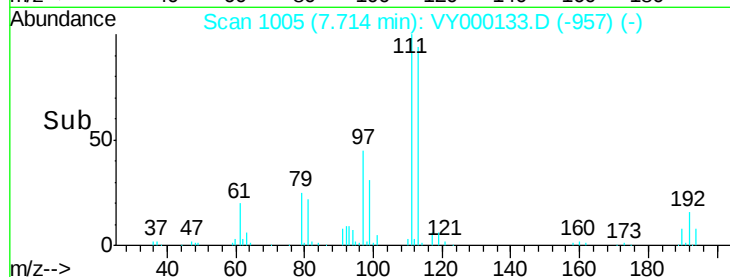
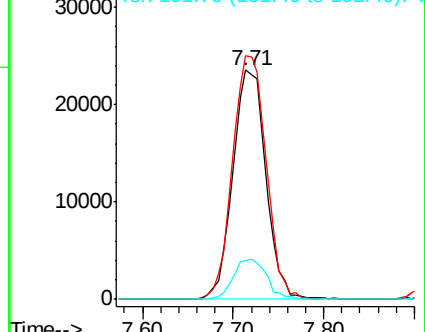
192 17.6 13.5 20.3



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: 19.977 ug/l

RT: 7.91 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

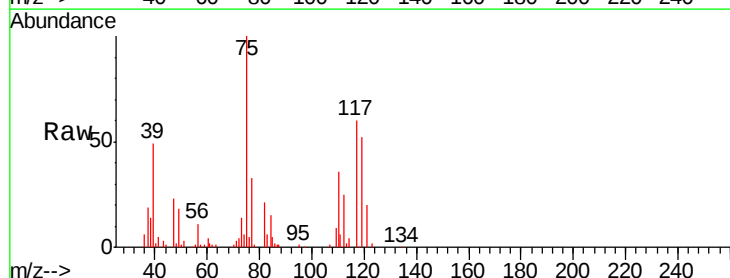
Tgt Ion: 75 Resp: 40978

Ion Ratio Lower Upper

75 100

110 36.0 19.1 57.3

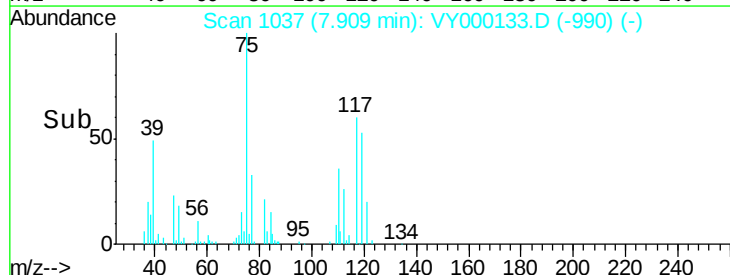
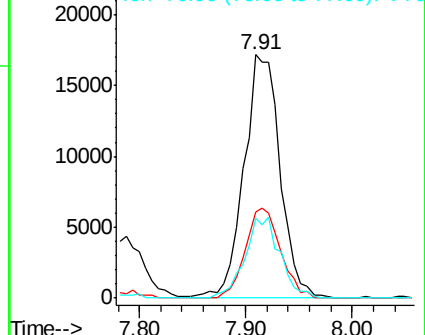
77 32.3 24.7 37.1

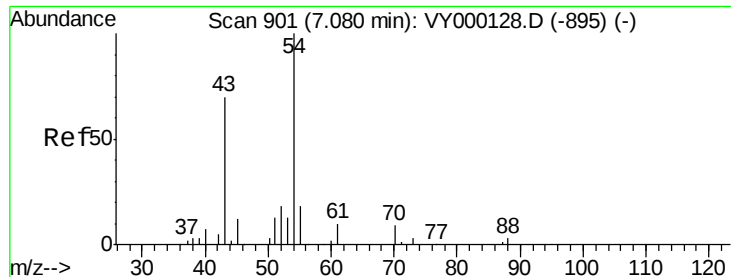


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

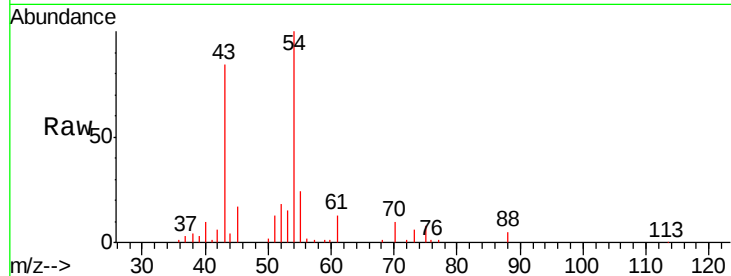




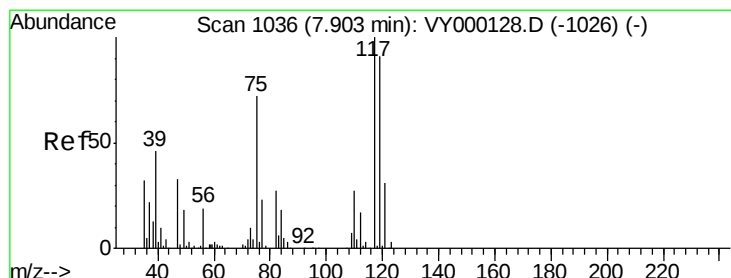
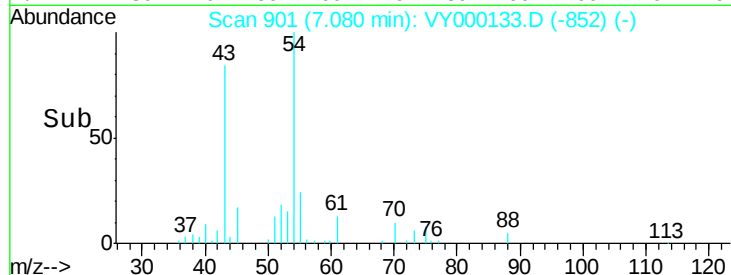
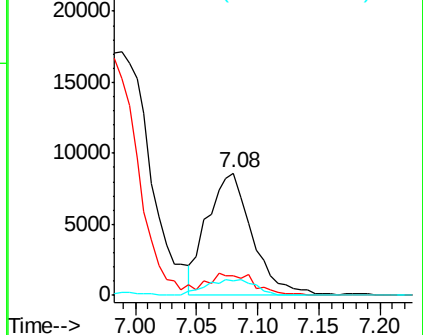
#37
Ethyl Acetate
Concen: 20.035 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tgt Ion: 43 Resp: 21704
Ion Ratio Lower Upper
43 100
61 18.1 12.1 18.1
70 14.2 10.0 15.0

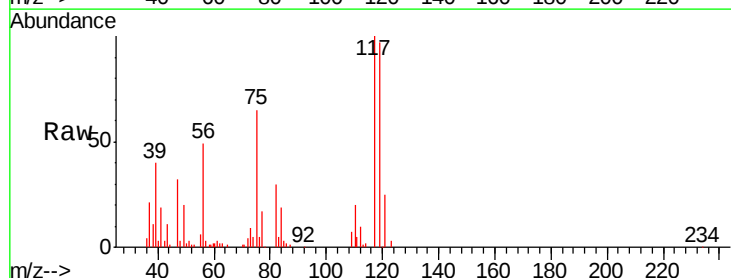


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

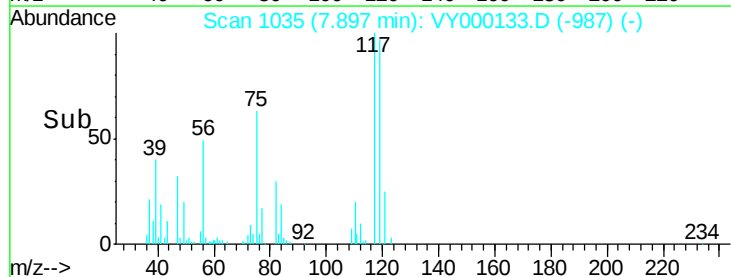
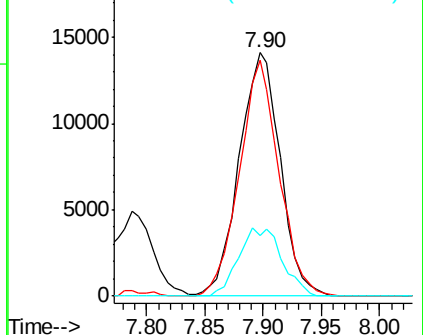


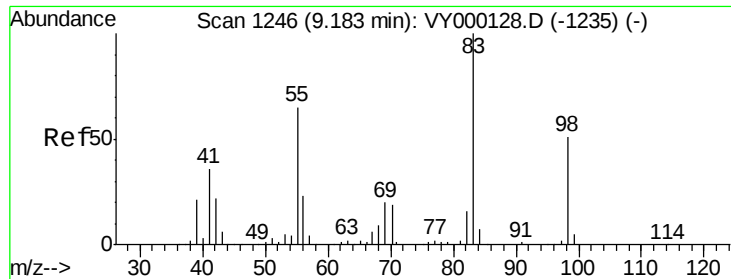
#38
Carbon Tetrachloride
Concen: 19.694 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 117 Resp: 34671
Ion Ratio Lower Upper
117 100
119 96.8 72.6 108.8
121 25.1 24.3 36.5



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

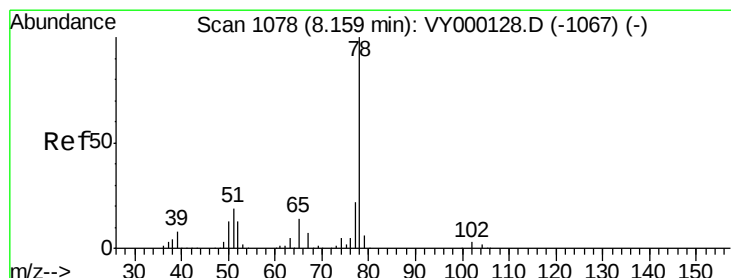
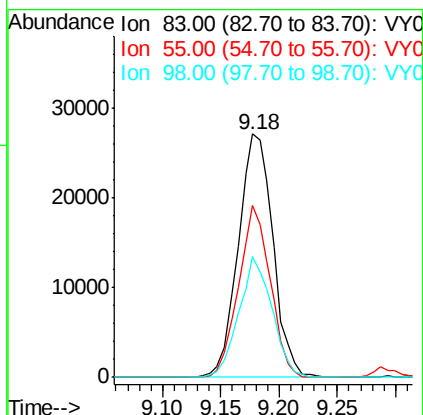
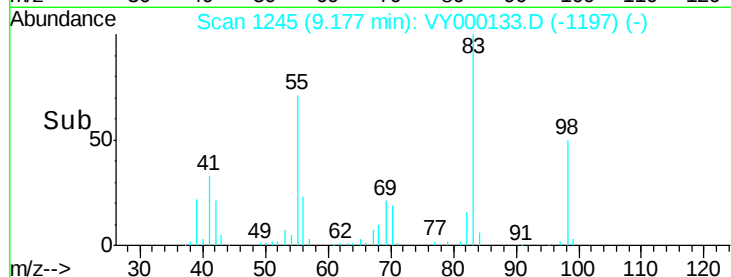
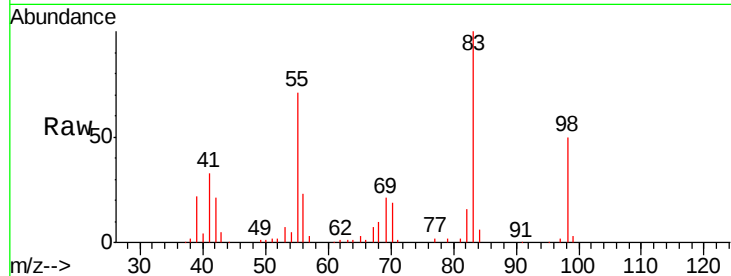




#39
Methylcyclohexane
Concen: 20.022 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

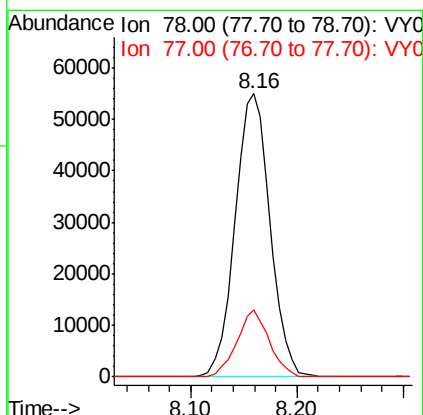
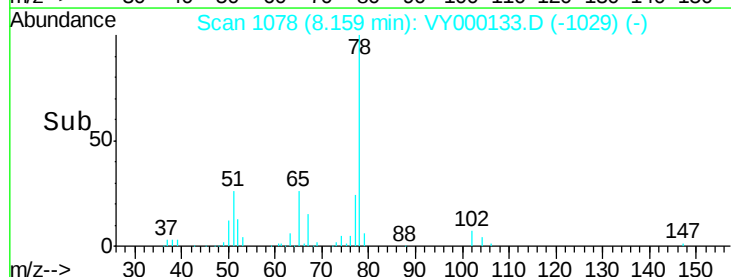
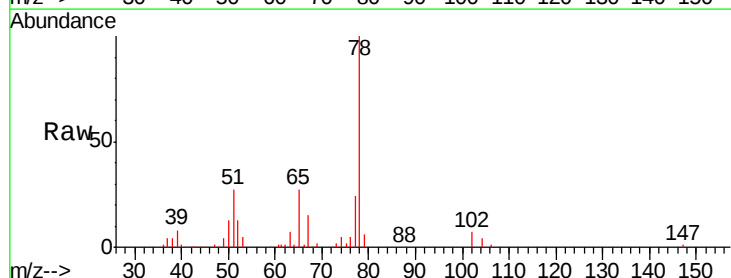
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

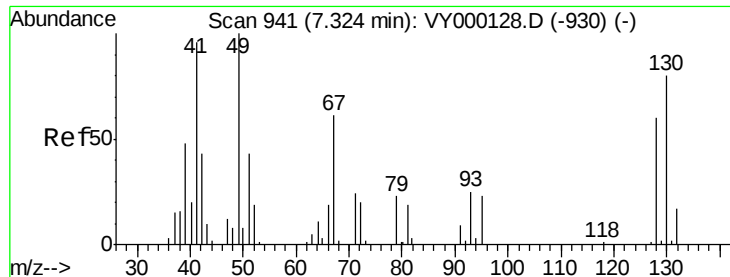
Tgt Ion: 83 Resp: 56486
Ion Ratio Lower Upper
83 100
55 70.7 52.3 78.5
98 49.6 40.6 61.0



#40
Benzene
Concen: 19.991 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 78 Resp: 126560
Ion Ratio Lower Upper
78 100
77 23.7 17.9 26.9

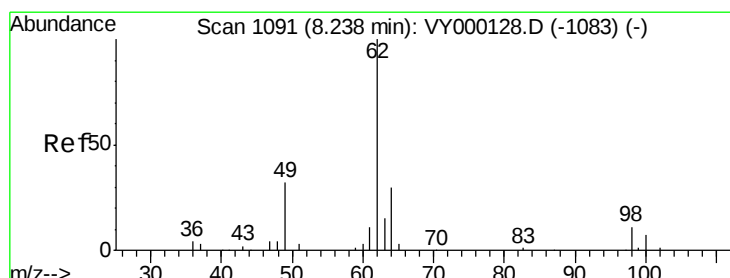
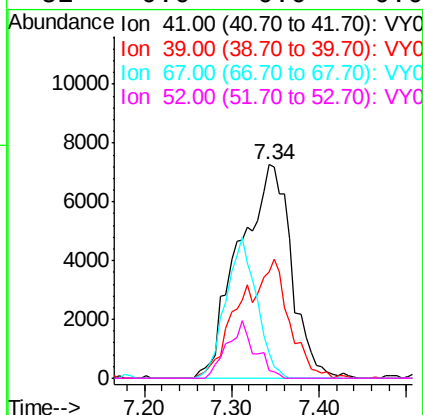
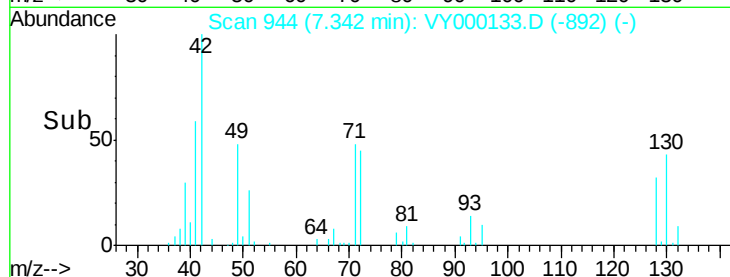
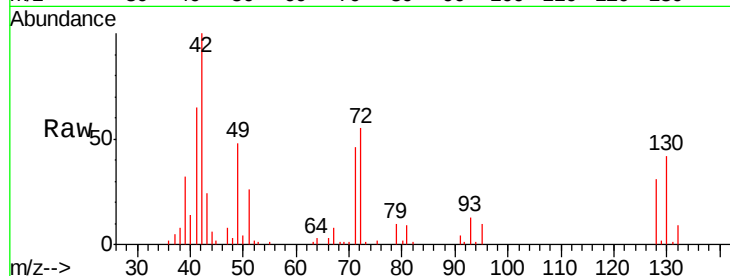




#41
Methacrylonitrile
Concen: 56.662 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

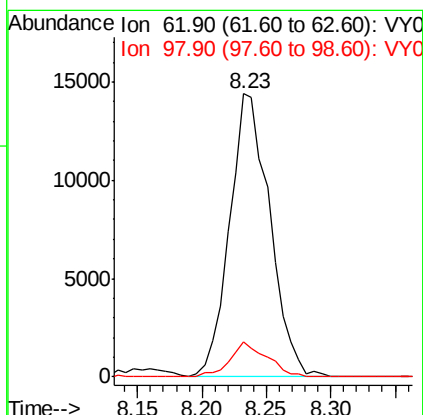
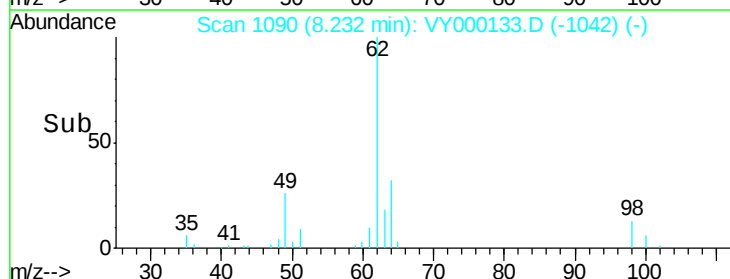
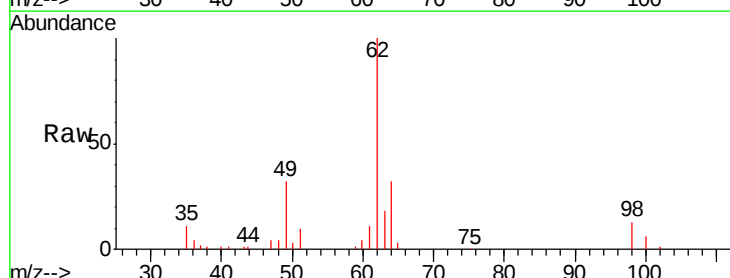
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

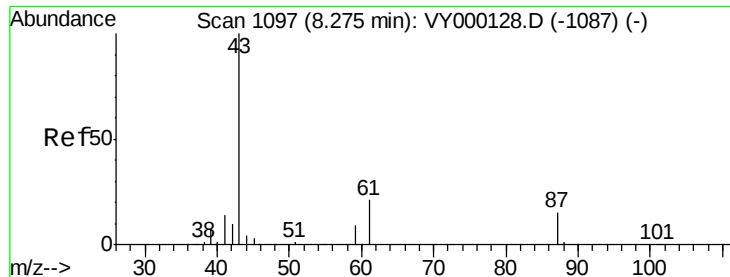
Tgt Ion: 41 Resp: 30221
Ion Ratio Lower Upper
41 100
39 27.1 53.4 80.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.379 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 62 Resp: 31286
Ion Ratio Lower Upper
62 100
98 11.4 0.0 22.4





#43

Isopropyl Acetate

Concen: 19.687 ug/l

RT: 8.28 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

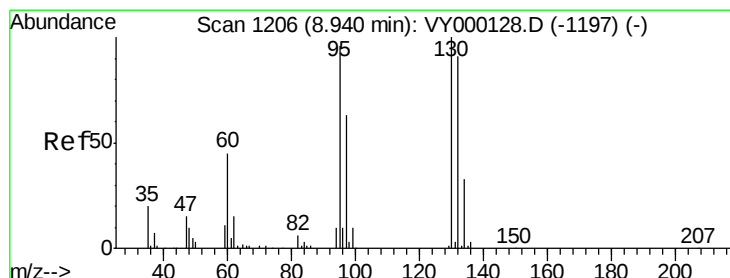
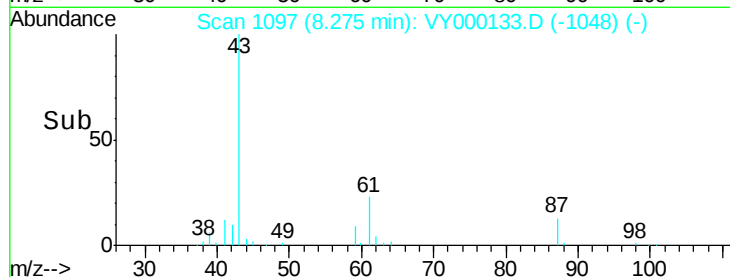
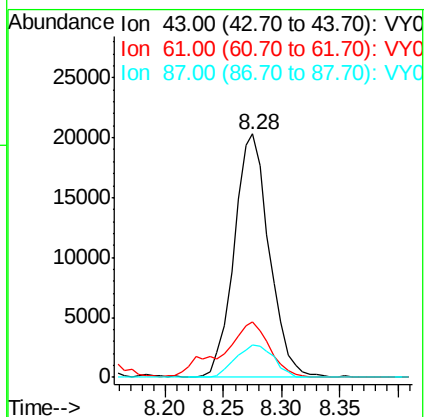
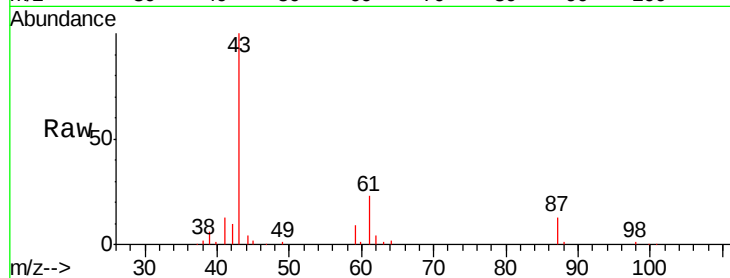
Tgt Ion: 43 Resp: 42658

Ion Ratio Lower Upper

43 100

61 30.8 24.6 37.0

87 14.5 12.5 18.7



#44

Trichloroethene

Concen: 19.482 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VY000133.D

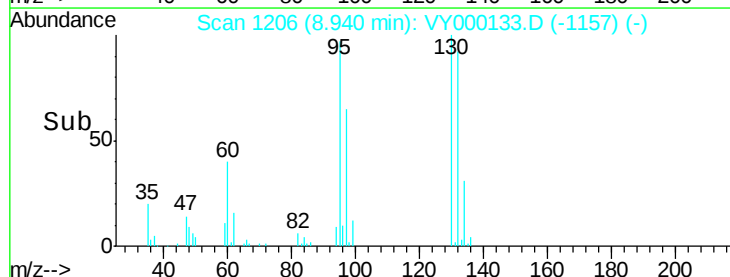
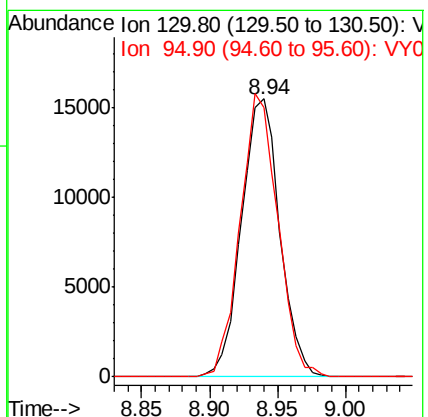
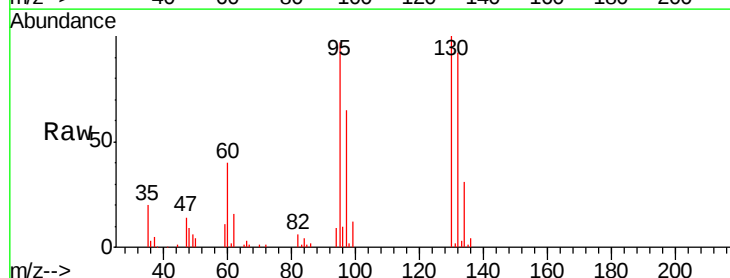
Acq: 23 Sep 2019 15:54

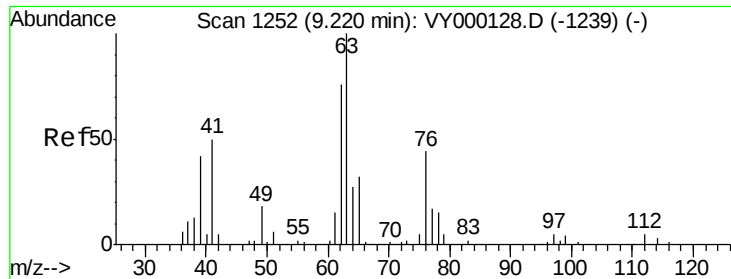
Tgt Ion: 130 Resp: 30625

Ion Ratio Lower Upper

130 100

95 97.2 0.0 192.0





#45

1,2-Dichloropropane

Concen: 20.195 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

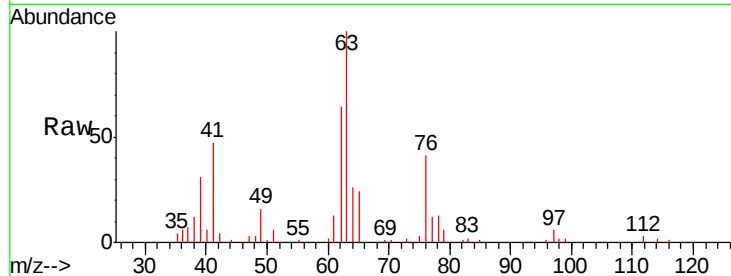
VY0923SBS01

Tgt Ion: 63 Resp: 30881

Ion Ratio Lower Upper

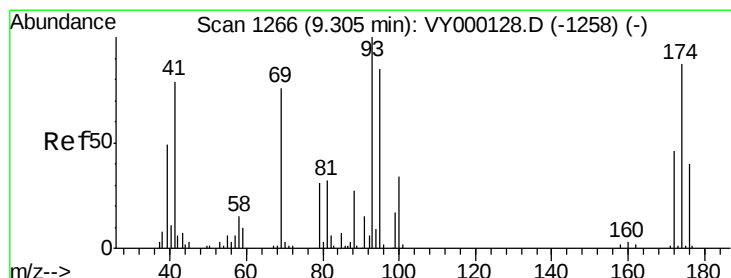
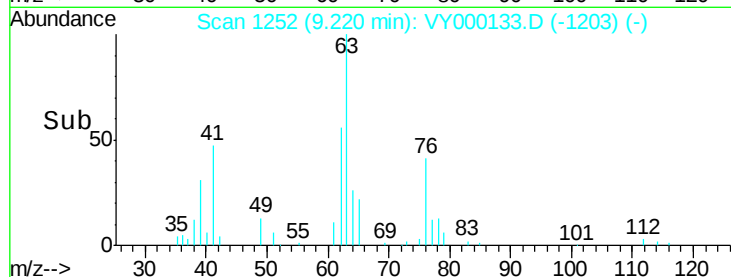
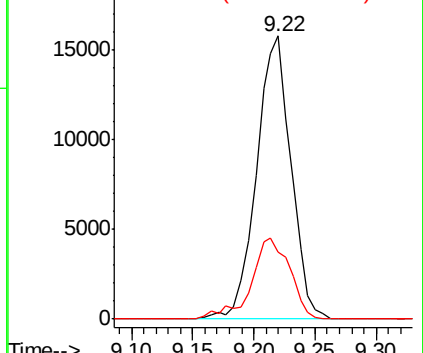
63 100

65 23.5 25.4 38.2#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.255 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

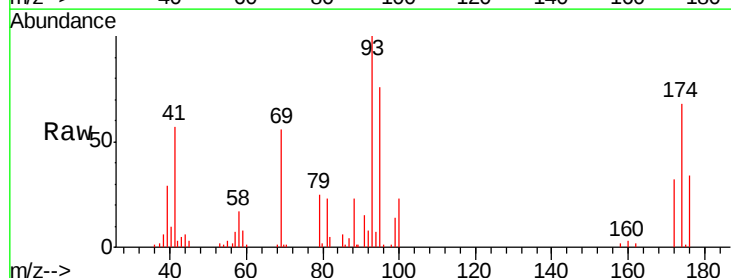
Tgt Ion: 93 Resp: 17225

Ion Ratio Lower Upper

93 100

95 83.6 68.6 103.0

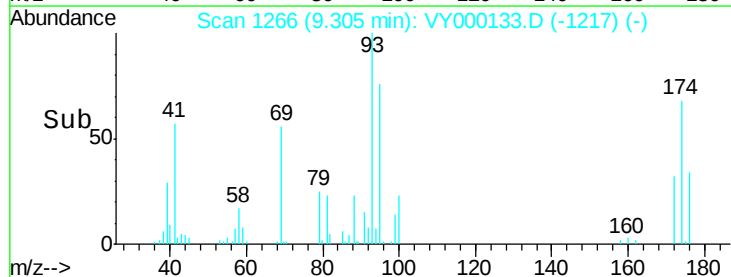
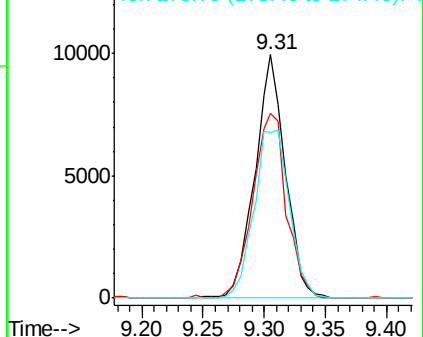
174 80.3 69.4 104.0

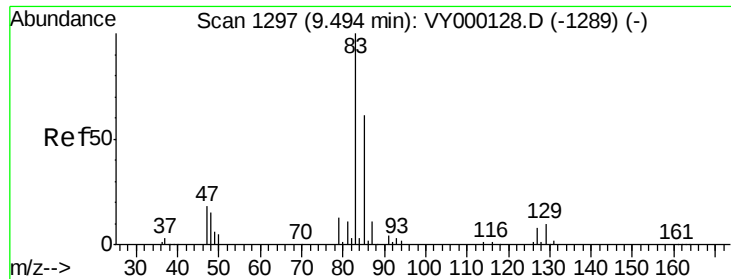


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 19.827 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

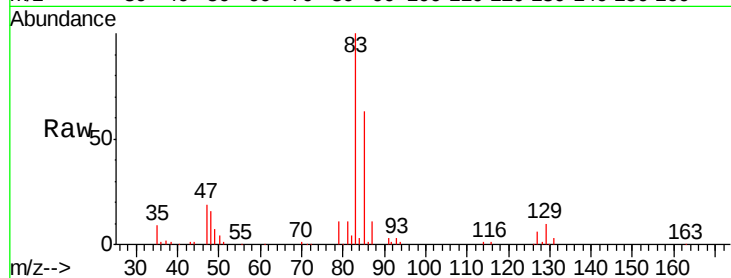
Tgt Ion: 83 Resp: 38606

Ion Ratio Lower Upper

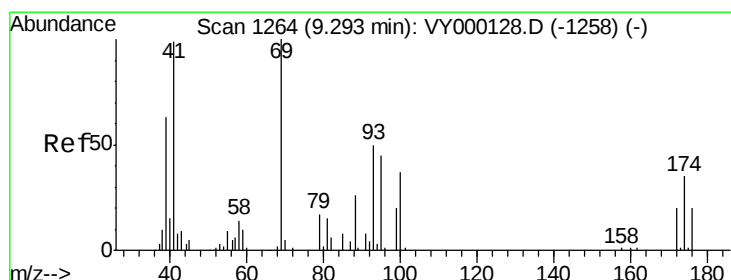
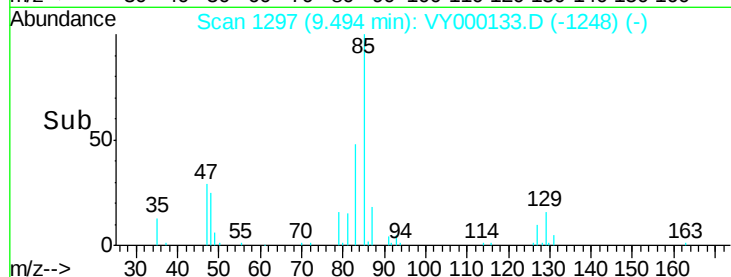
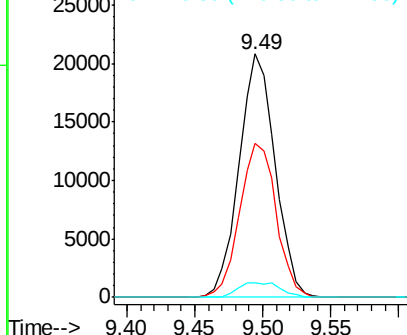
83 100

85 63.1 48.6 73.0

127 6.2 6.2 9.4#



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



#48

Methyl methacrylate

Concen: 19.930 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

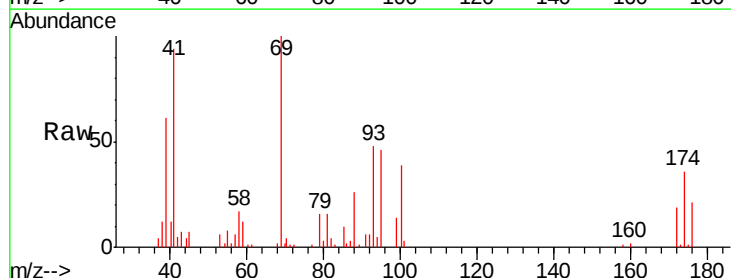
Tgt Ion: 41 Resp: 18454

Ion Ratio Lower Upper

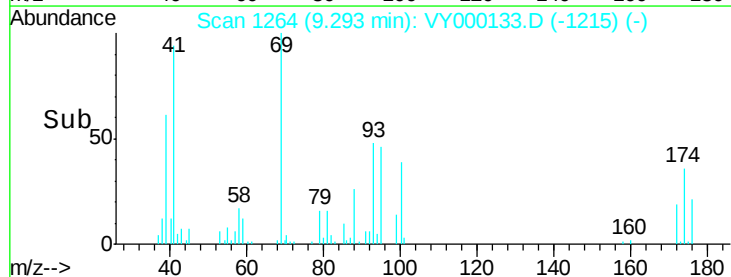
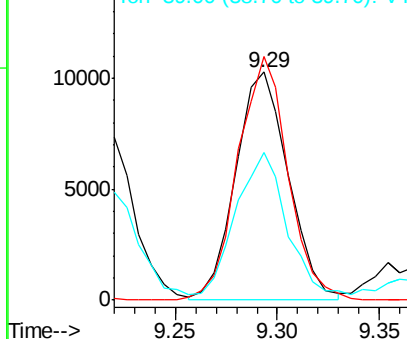
41 100

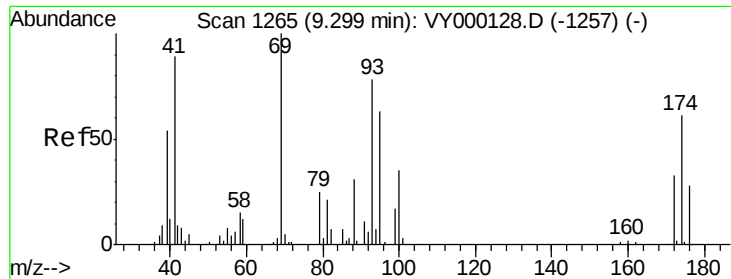
69 101.8 81.0 121.6

39 65.0 53.2 79.8



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





#49

1,4-Dioxane

Concen: 446.464 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

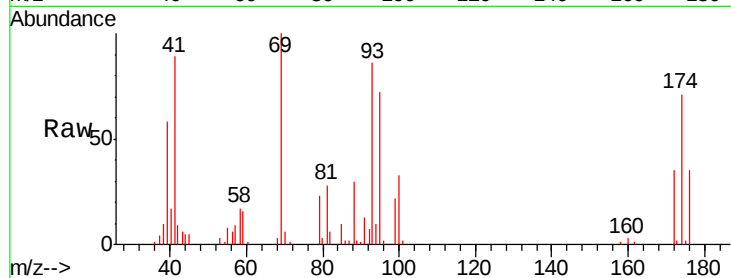
Tgt Ion: 88 Resp: 5994

Ion Ratio Lower Upper

88 100

43 24.9 22.6 33.8

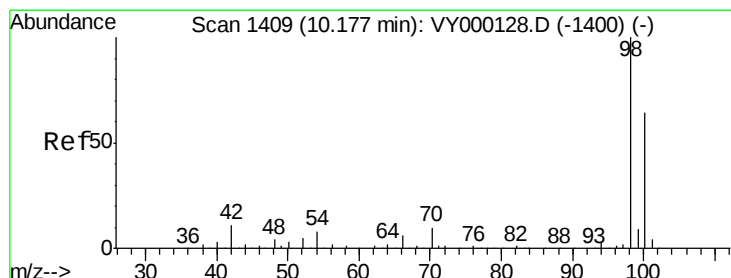
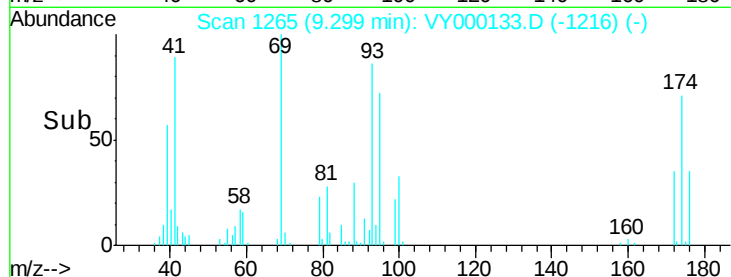
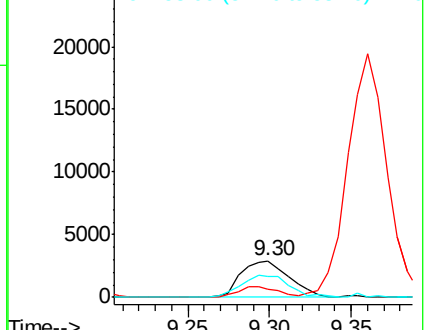
58 61.2 42.5 63.7



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 50.068 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VY000133.D

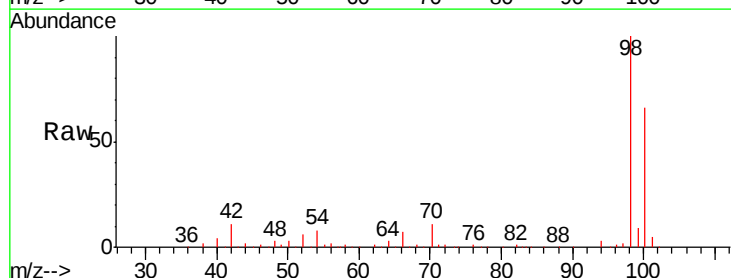
Acq: 23 Sep 2019 15:54

Tgt Ion: 98 Resp: 256394

Ion Ratio Lower Upper

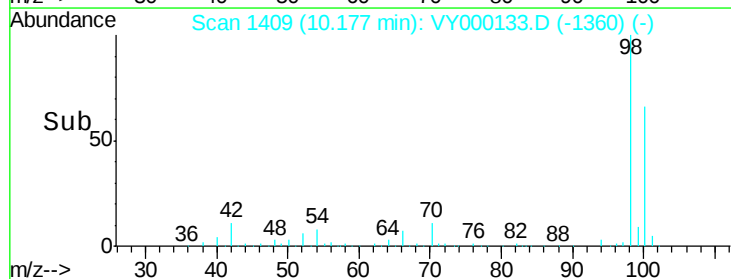
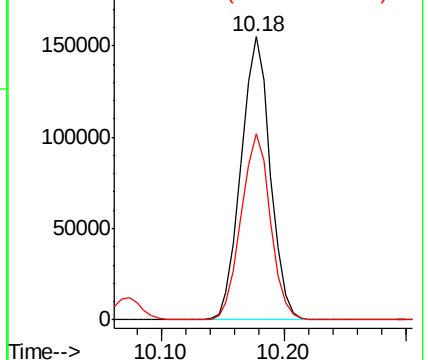
98 100

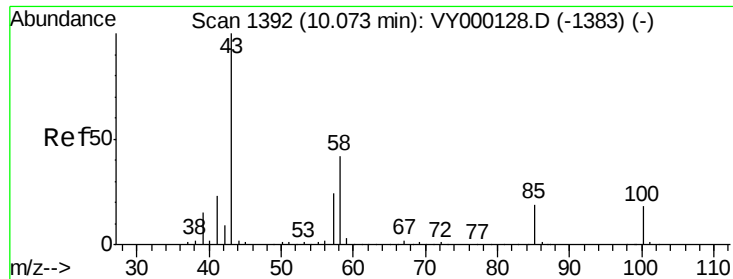
100 66.0 52.7 79.1



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: 104.258 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

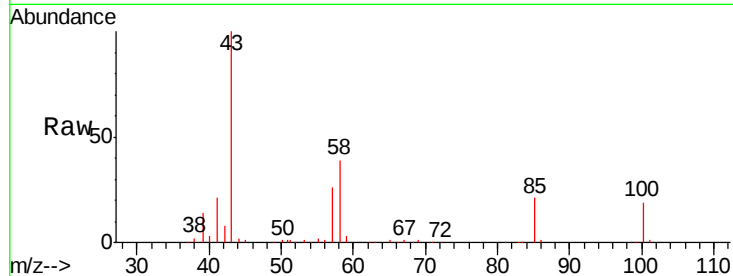
VY0923SBS01

Tgt Ion: 43 Resp: 115115

Ion Ratio Lower Upper

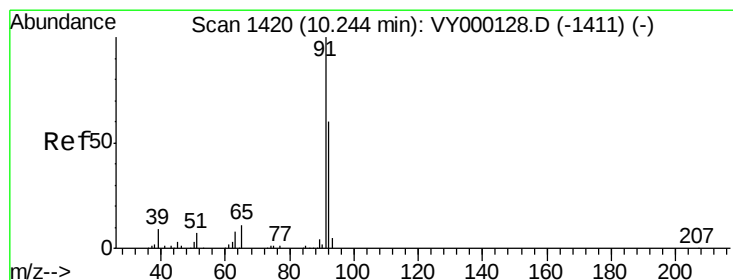
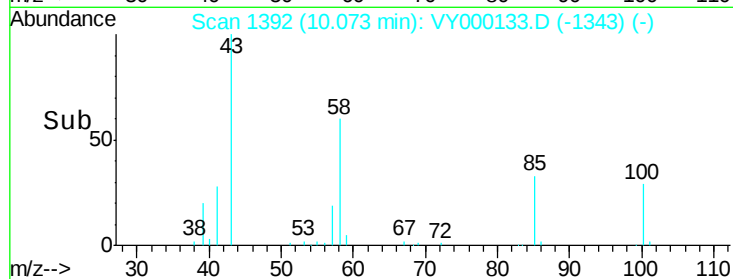
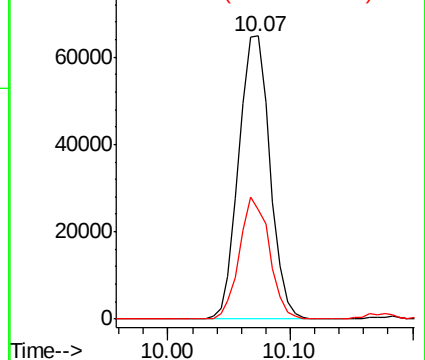
43 100

58 41.2 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.063 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VY000133.D

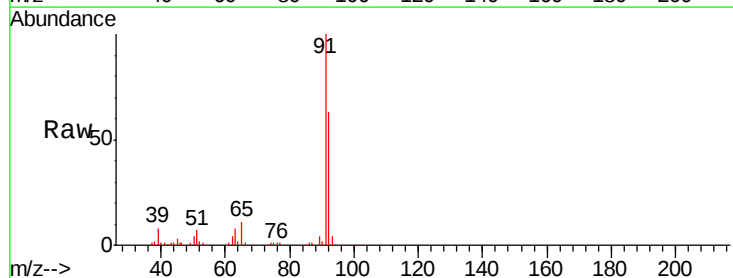
Acq: 23 Sep 2019 15:54

Tgt Ion: 92 Resp: 78488

Ion Ratio Lower Upper

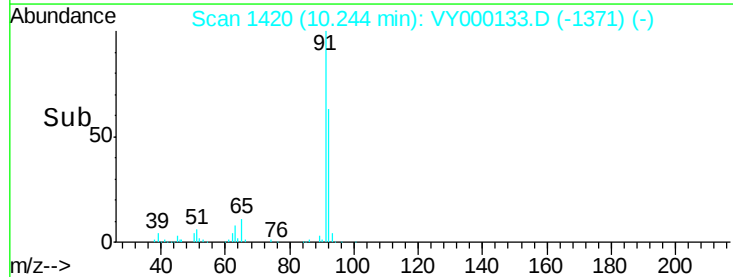
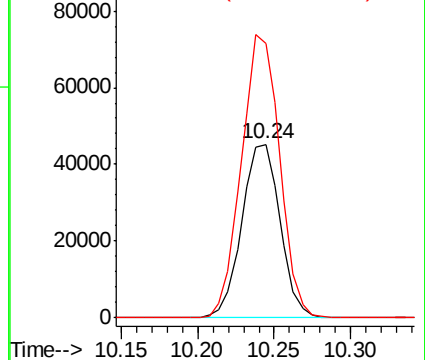
92 100

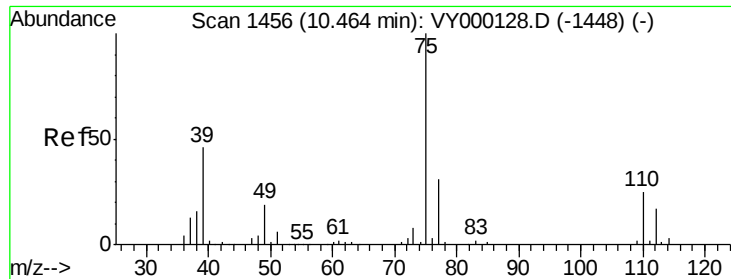
91 163.7 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

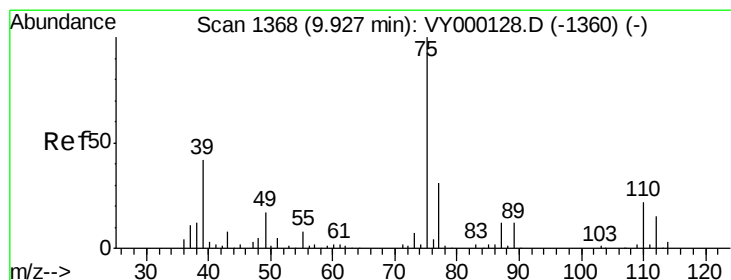
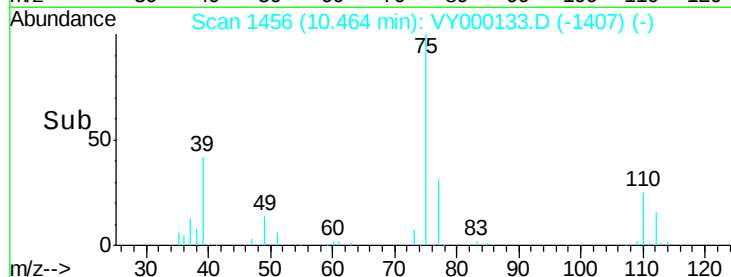
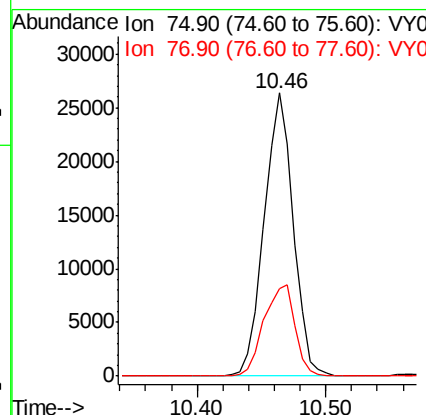
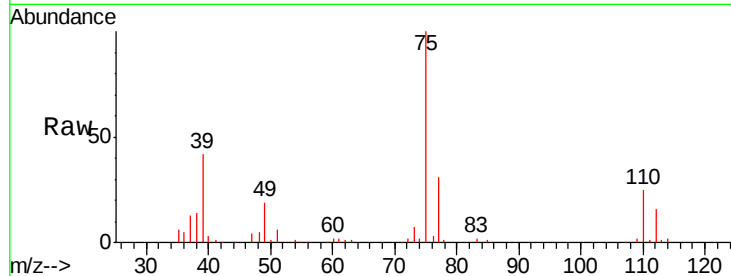




#53
t-1,3-Dichloropropene
Concen: 19.367 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

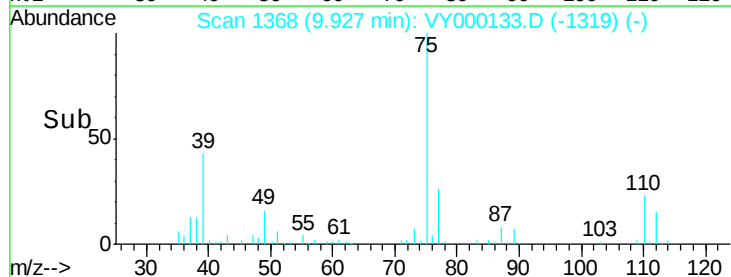
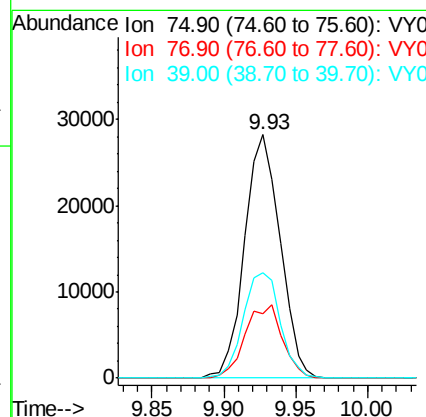
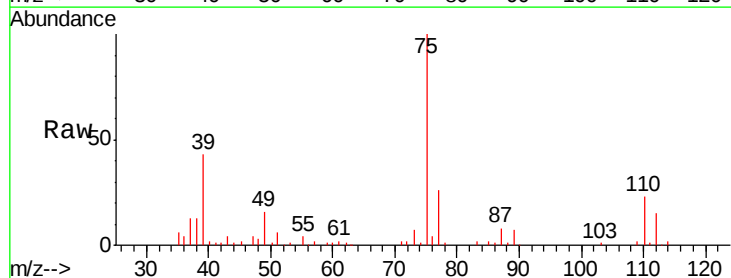
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

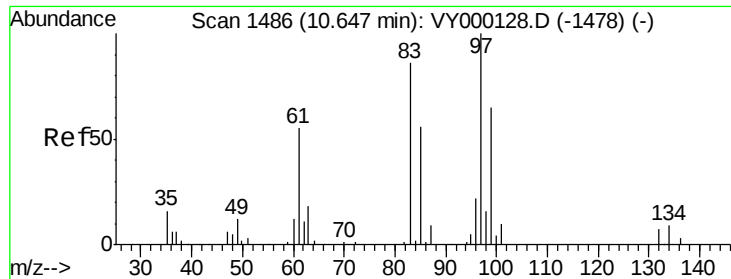
Tgt Ion: 75 Resp: 41122
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 19.642 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 75 Resp: 48353
Ion Ratio Lower Upper
75 100
77 26.2 24.6 37.0
39 43.2 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 19.324 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tgt Ion: 97 Resp: 23533

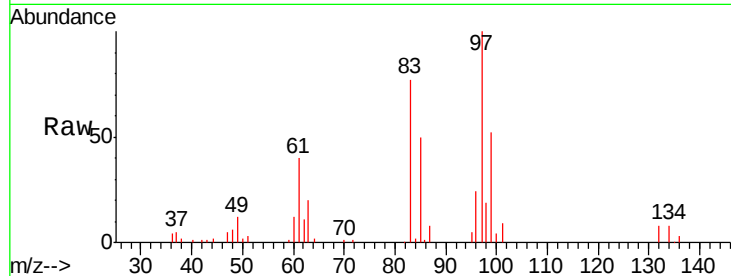
Ion Ratio Lower Upper

97 100

83 77.4 68.8 103.2

85 50.2 44.9 67.3

99 51.8 52.1 78.1#

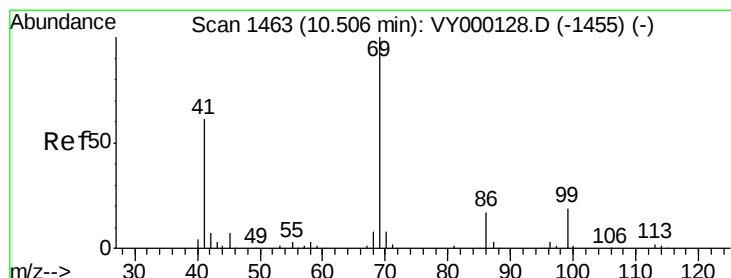
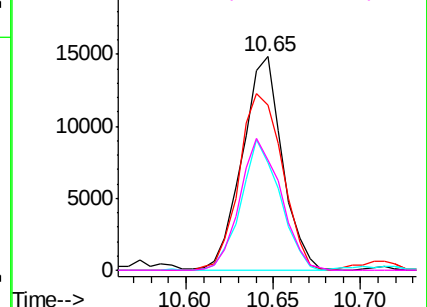
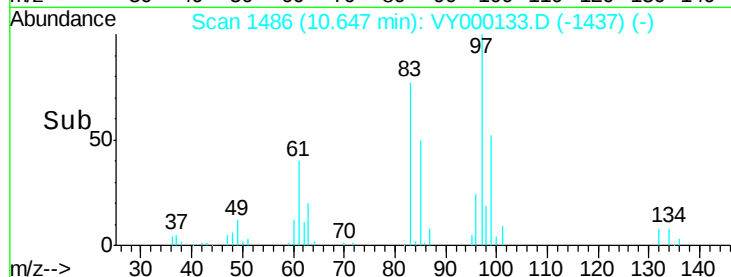


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 21.222 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

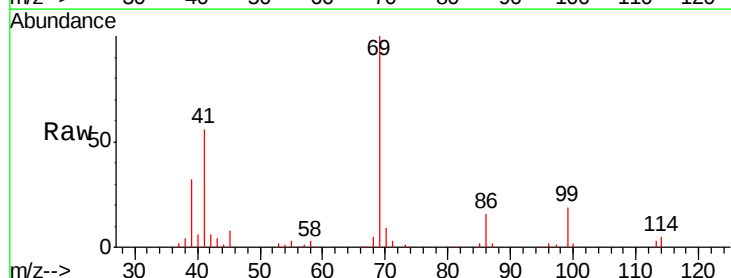
Tgt Ion: 69 Resp: 36404

Ion Ratio Lower Upper

69 100

41 55.4 47.9 71.9

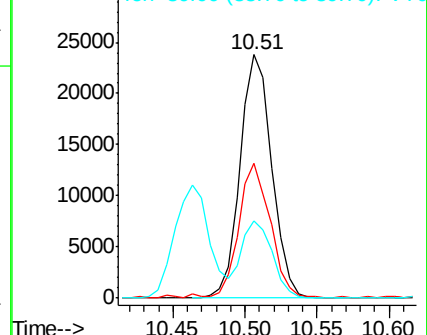
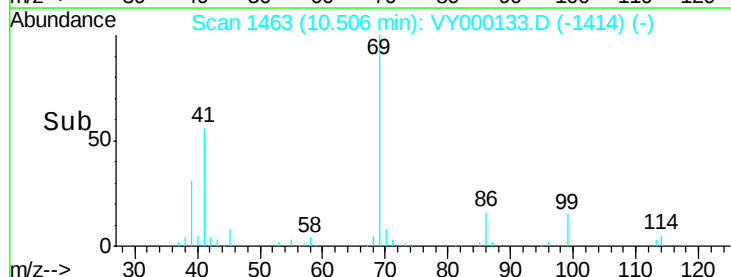
39 30.9 27.4 41.0

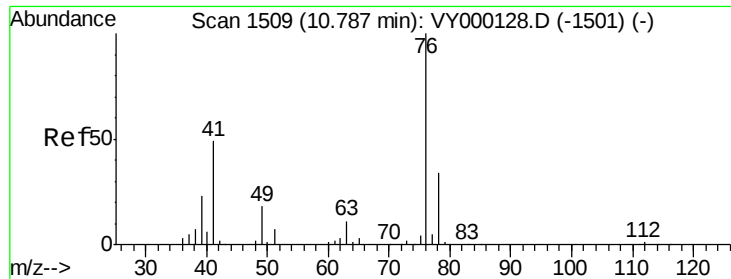


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

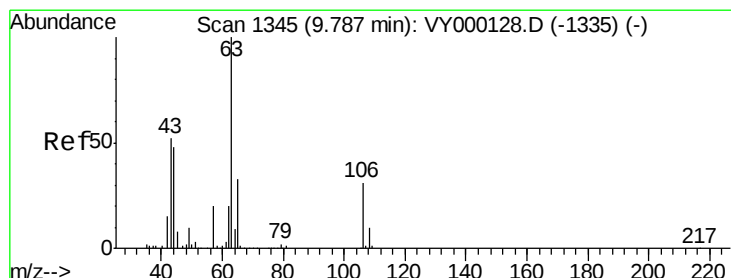
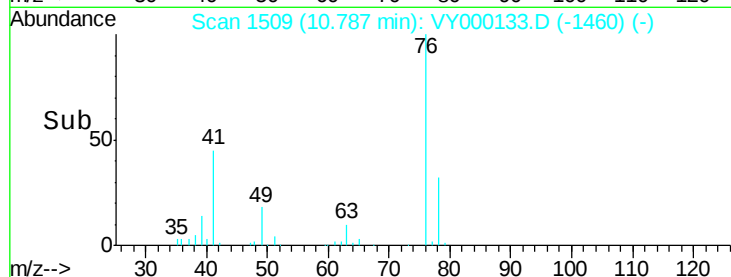
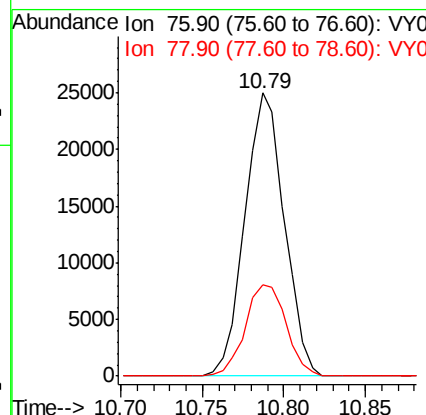
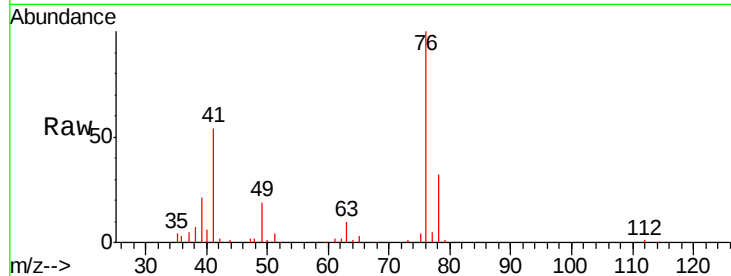




#57
 1,3-Dichloropropane
 Concen: 19.826 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

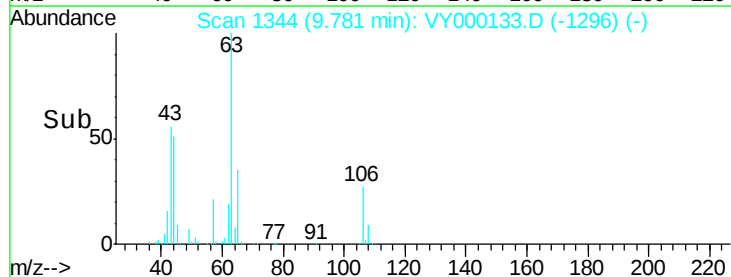
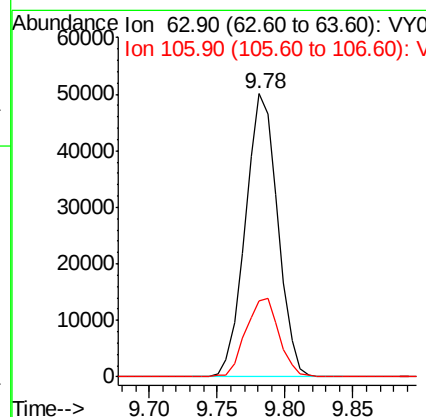
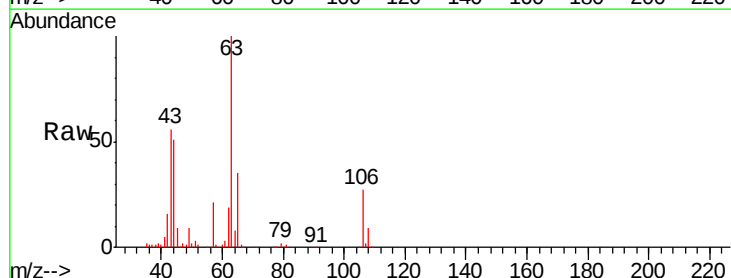
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

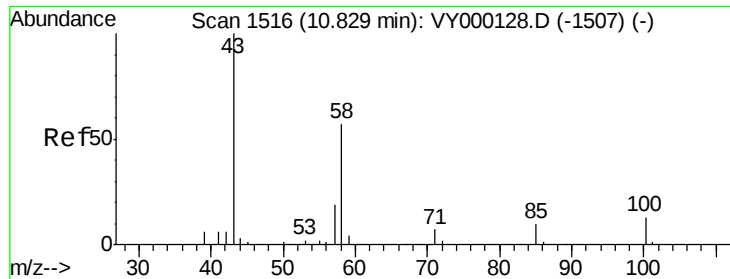
Tgt Ion: 76 Resp: 41976
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.454 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 63 Resp: 83381
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.2 34.8

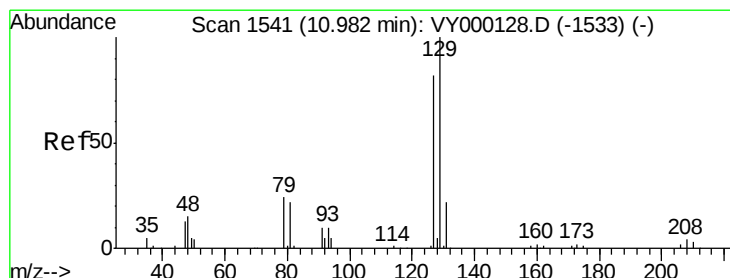
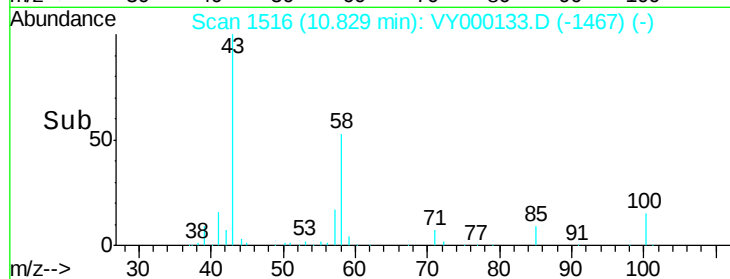
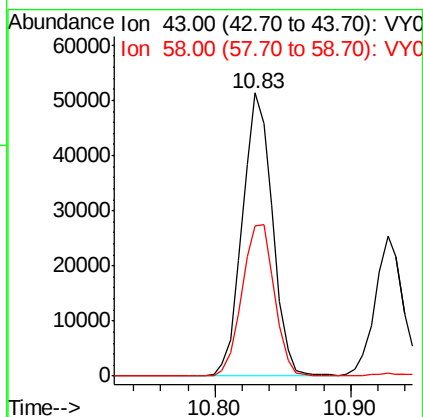
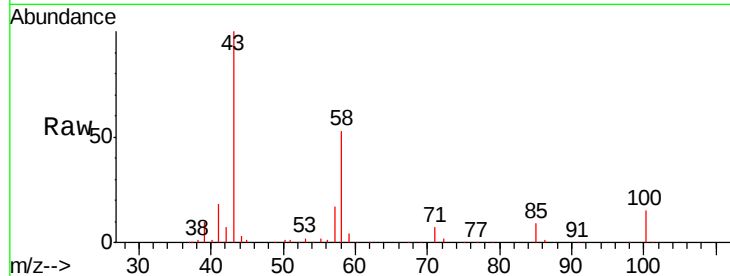




#59
2-Hexanone
Concen: 102.855 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

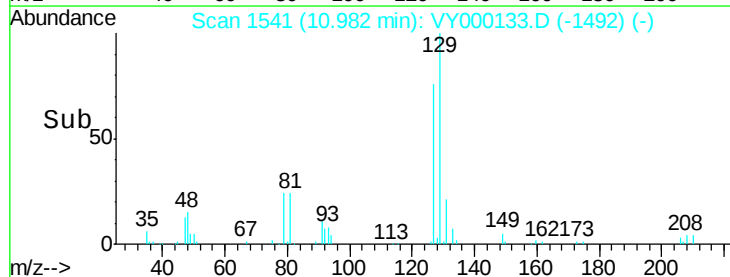
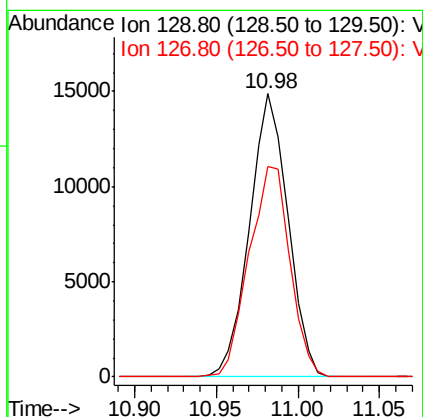
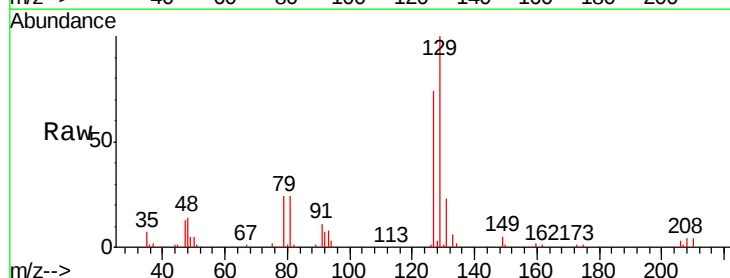
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

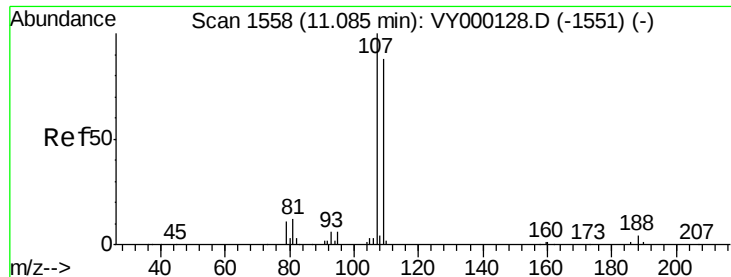
Tgt Ion: 43 Resp: 79548
Ion Ratio Lower Upper
43 100
58 57.3 29.1 87.3



#60
Dibromochloromethane
Concen: 19.112 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 129 Resp: 24326
Ion Ratio Lower Upper
129 100
127 79.3 37.5 112.3





#61

1,2-Dibromoethane

Concen: 20.838 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

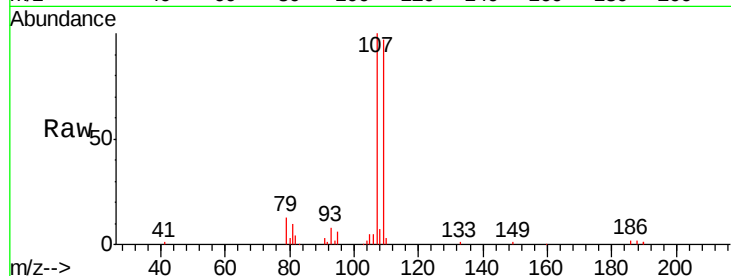
VY0923SBS01

Tgt Ion: 107 Resp: 23850

Ion Ratio Lower Upper

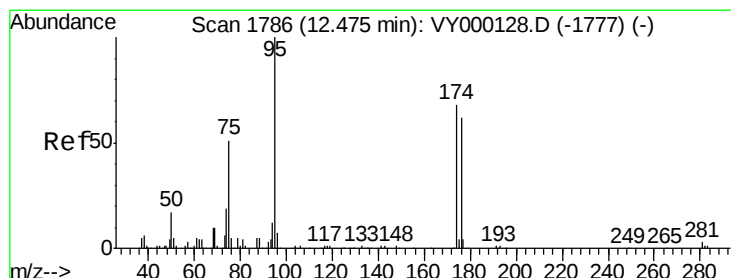
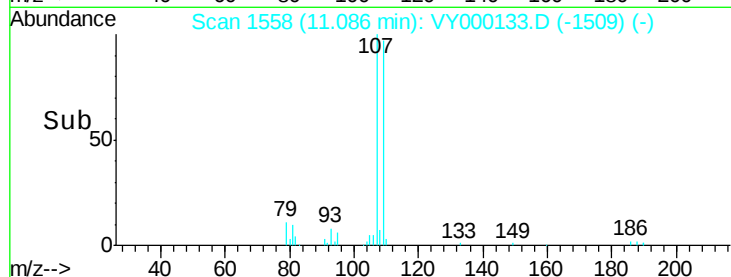
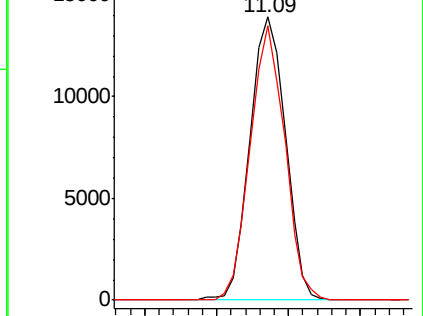
107 100

109 93.8 74.0 111.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.507 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

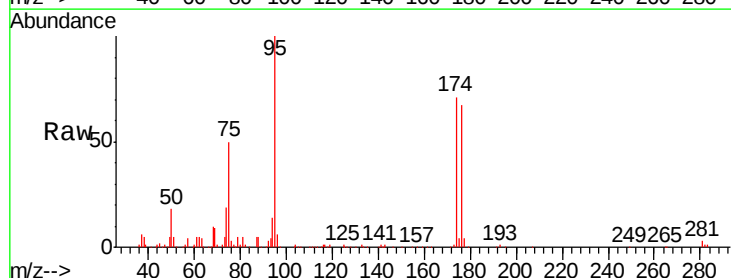
Tgt Ion: 95 Resp: 87591

Ion Ratio Lower Upper

95 100

174 69.5 0.0 140.8

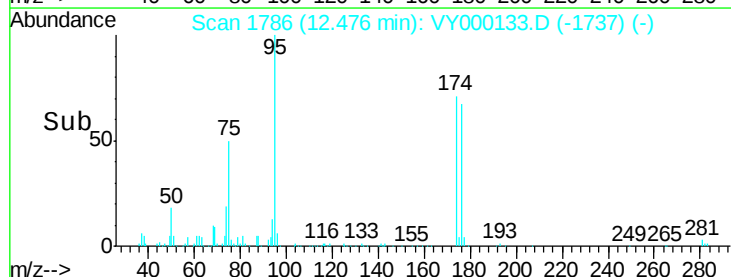
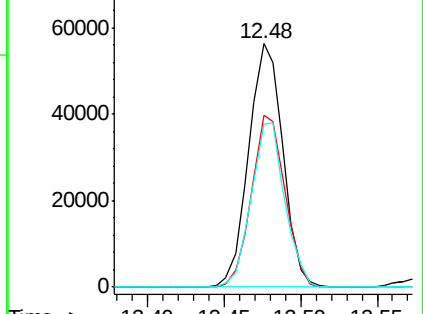
176 66.7 0.0 135.0

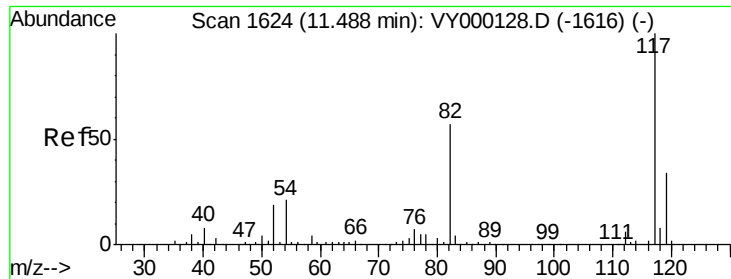


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

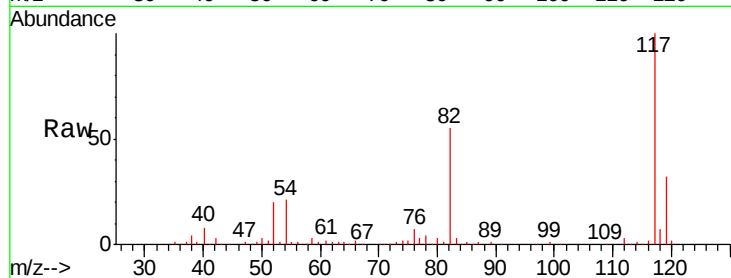




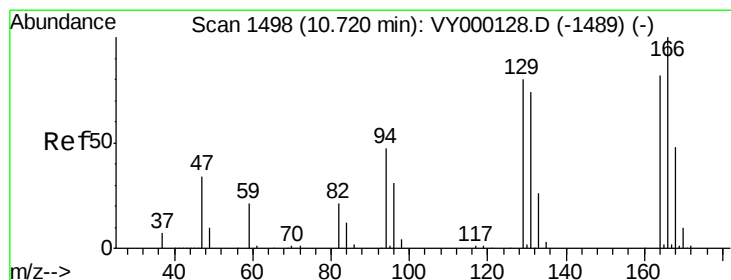
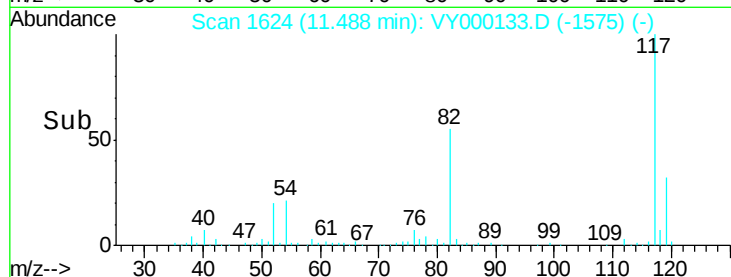
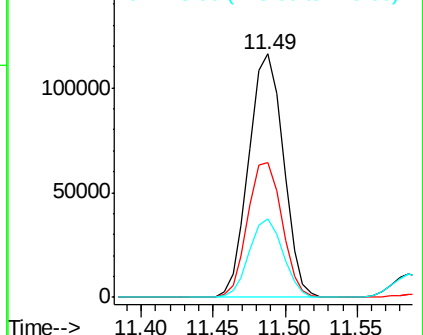
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tgt Ion:117 Resp: 193886
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 32.2 27.3 40.9

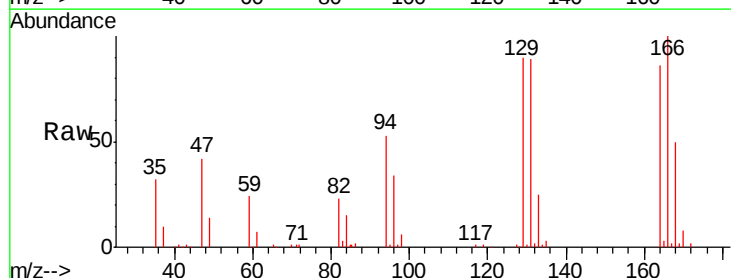


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

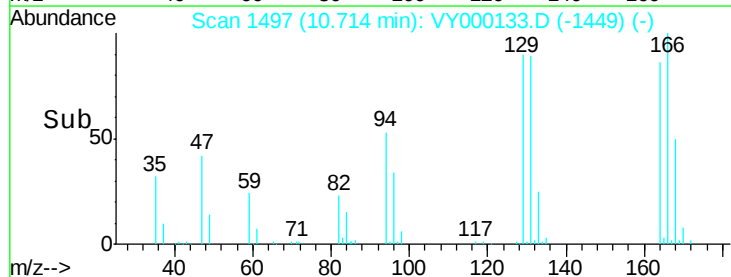
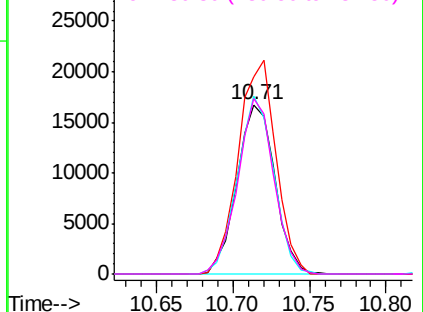


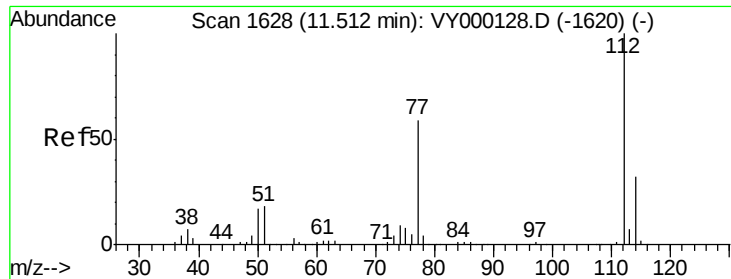
#64
Tetrachloroethene
Concen: 19.521 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion:164 Resp: 28810
Ion Ratio Lower Upper
164 100
166 116.6 97.0 145.6
129 104.9 77.6 116.4
131 103.4 72.1 108.1



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

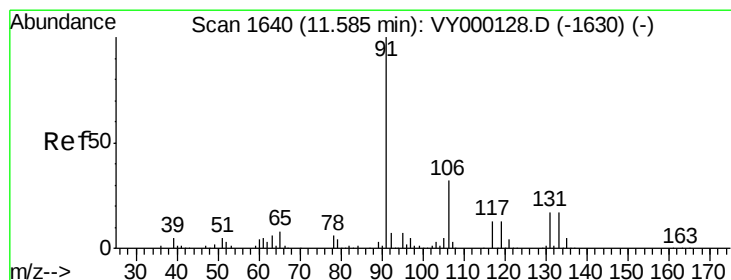
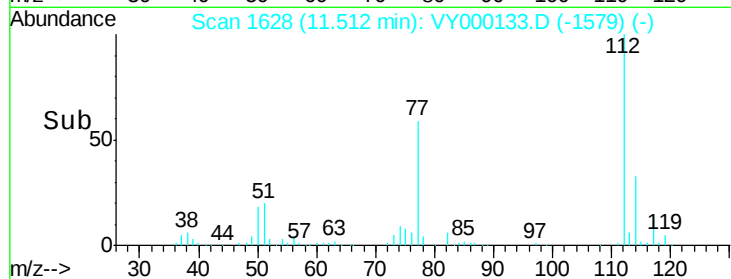
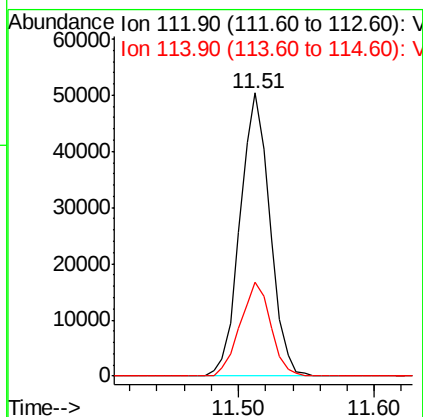
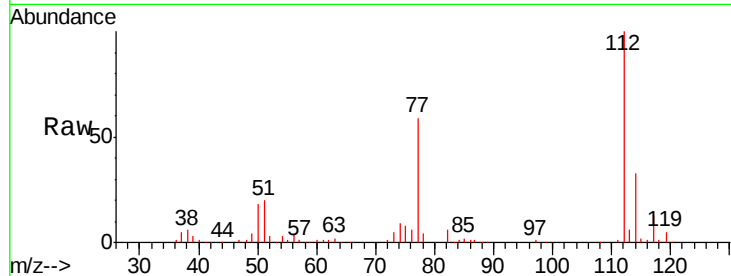




#65
Chlorobenzene
Concen: 19.651 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

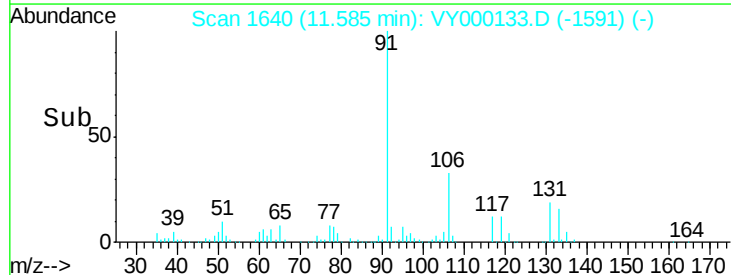
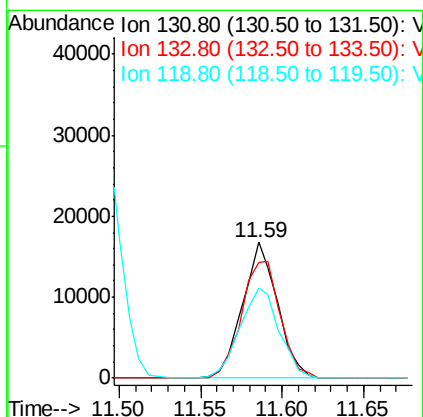
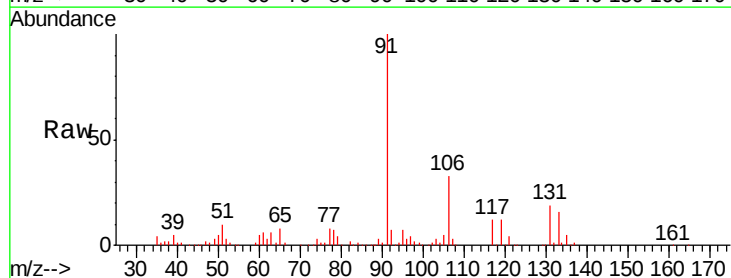
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

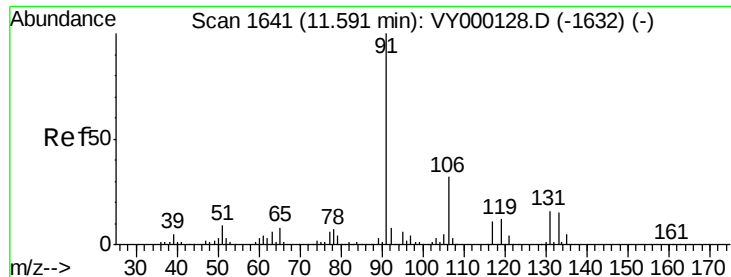
Tgt Ion:112 Resp: 77343
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.681 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion:131 Resp: 24891
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.5
119 74.3 35.4 106.2

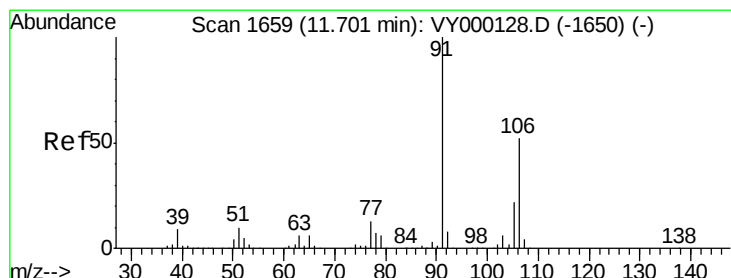
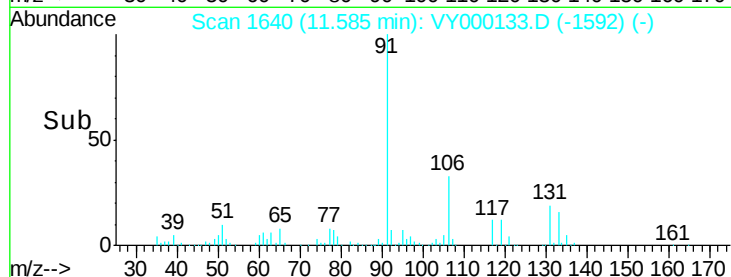
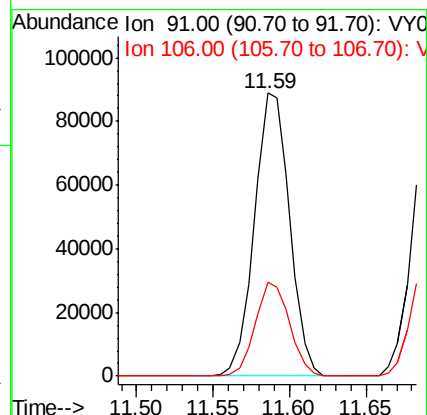
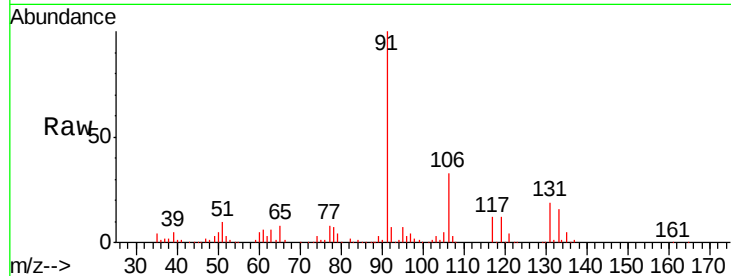




#67
Ethyl Benzene
Concen: 19.856 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

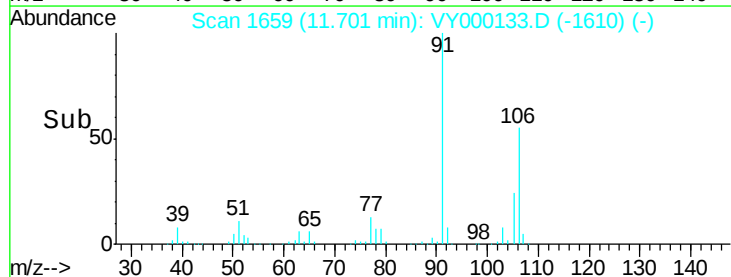
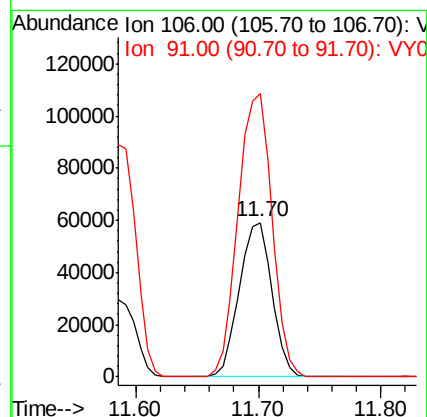
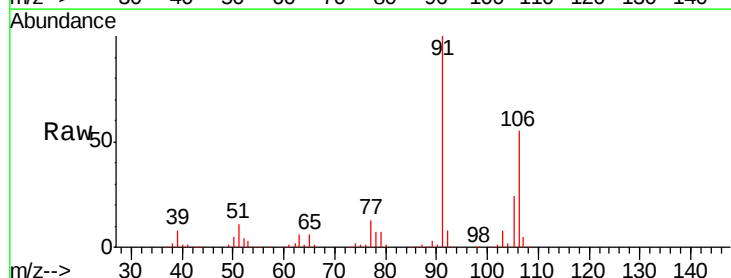
Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

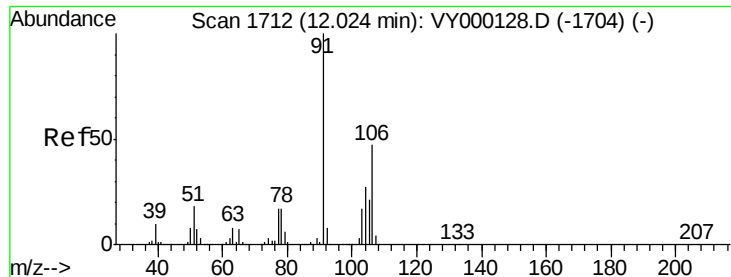
Tgt Ion: 91 Resp: 142061
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4



#68
m/p-Xylenes
Concen: 39.720 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 106 Resp: 109585
Ion Ratio Lower Upper
106 100
91 190.7 154.6 232.0

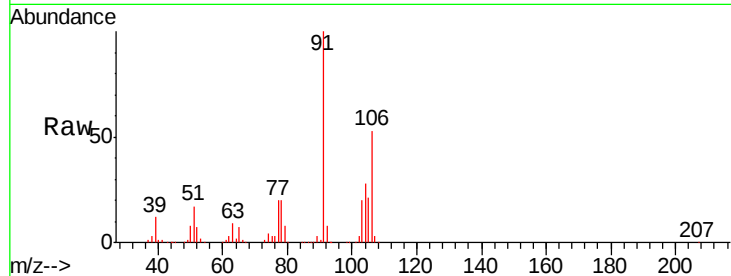




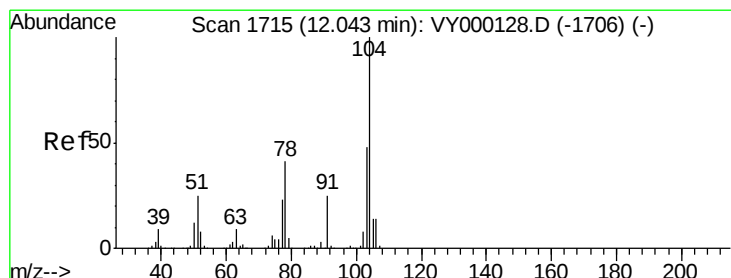
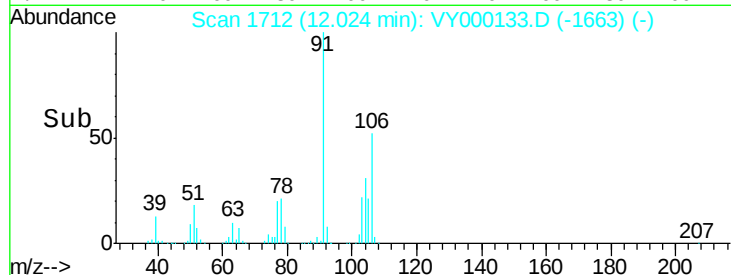
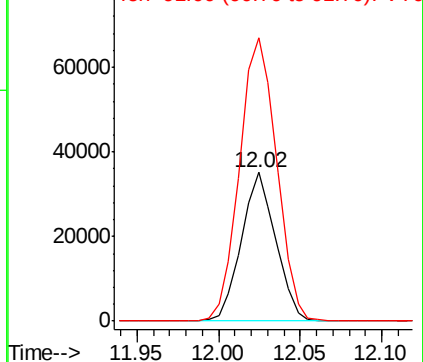
#69
o-Xylene
Concen: 19.600 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tgt Ion:106 Resp: 51692
Ion Ratio Lower Upper
106 100
91 205.6 102.1 306.1

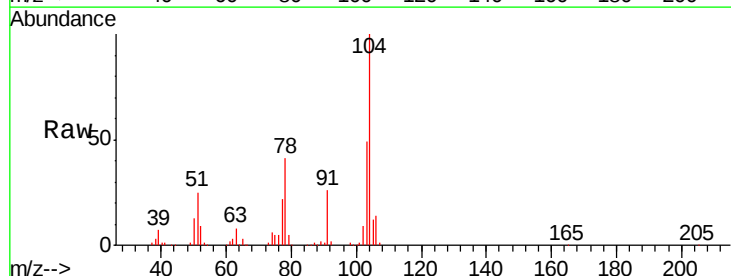


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

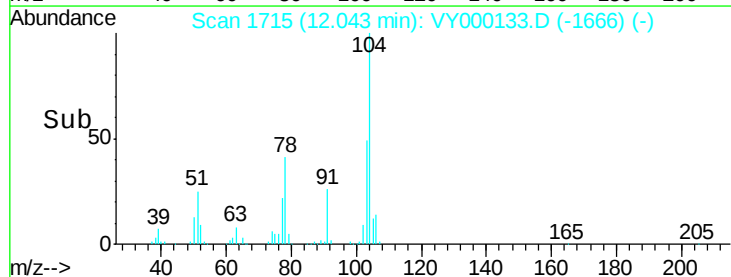
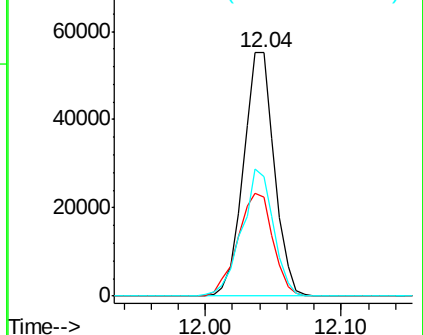


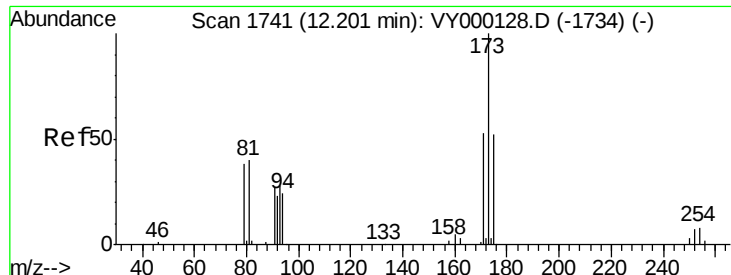
#70
Styrene
Concen: 19.636 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion:104 Resp: 87500
Ion Ratio Lower Upper
104 100
78 47.9 37.3 55.9
103 53.5 42.2 63.2



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: 19.851 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

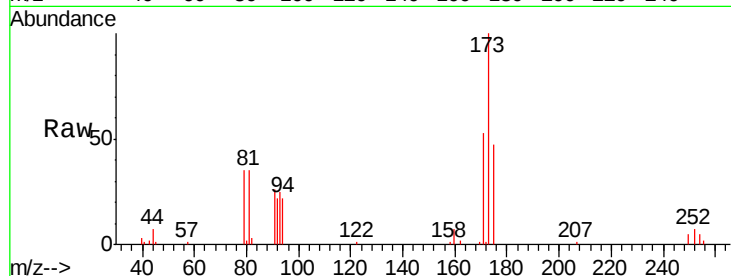
Tgt Ion:173 Resp: 14175

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

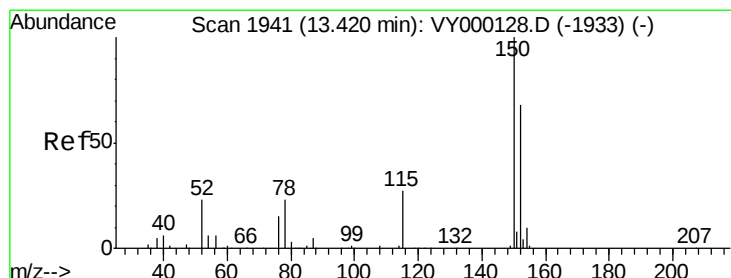
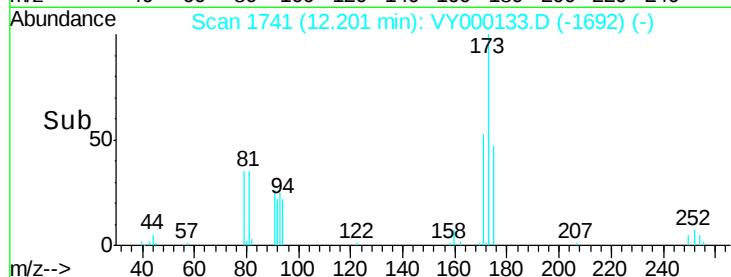
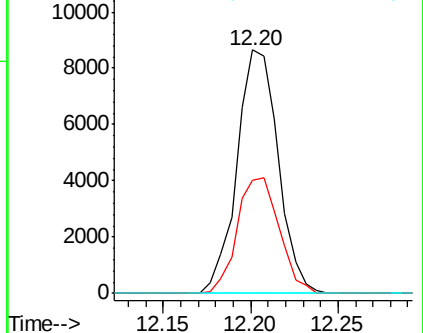
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

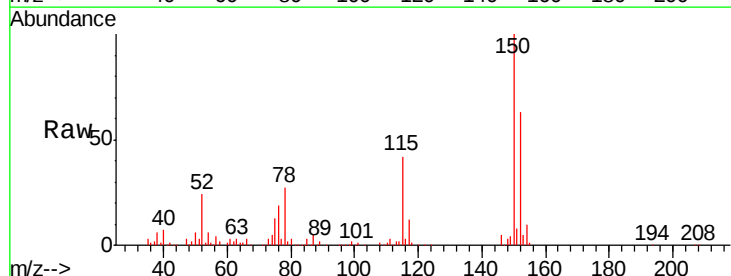
Tgt Ion:152 Resp: 83722

Ion Ratio Lower Upper

152 100

115 62.9 30.8 92.3

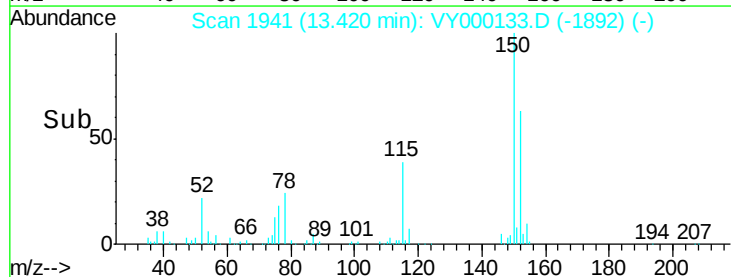
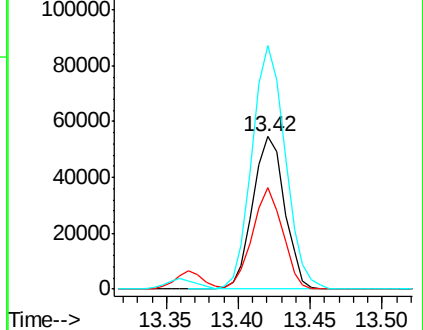
150 166.1 0.0 354.6

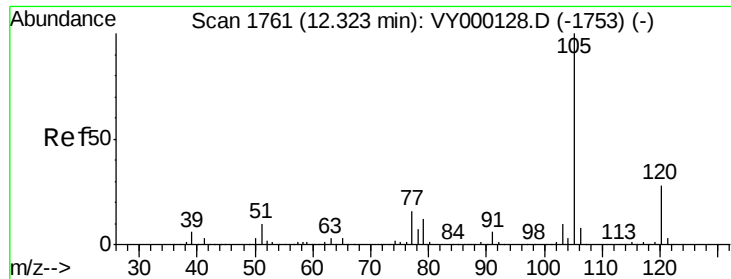


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.121 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

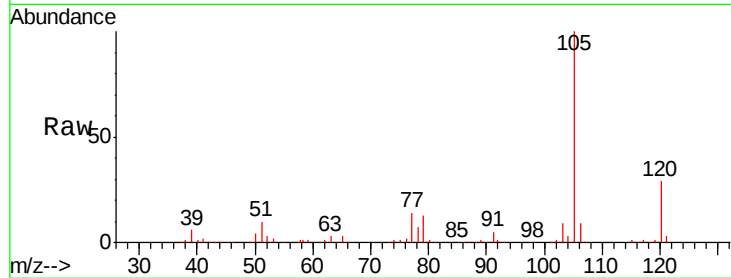
VY0923SBS01

Tgt Ion: 105 Resp: 134129

Ion Ratio Lower Upper

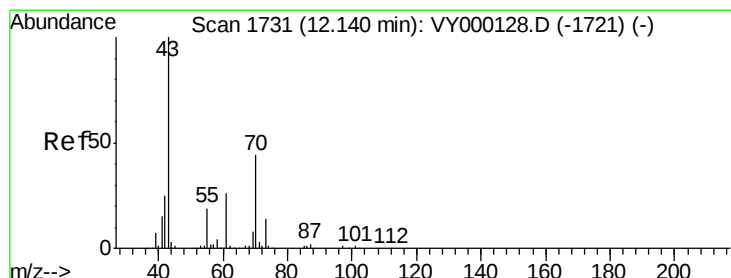
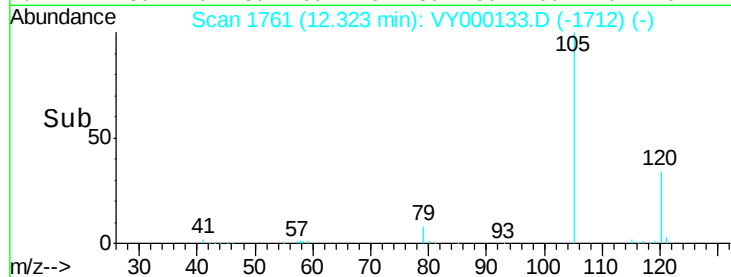
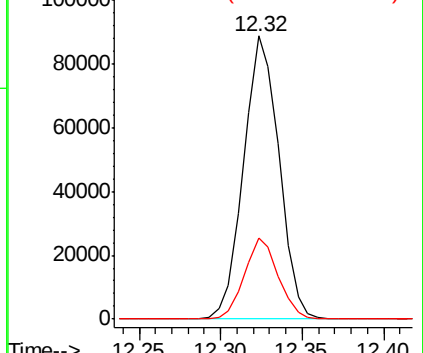
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.304 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion: 43 Resp: 37721

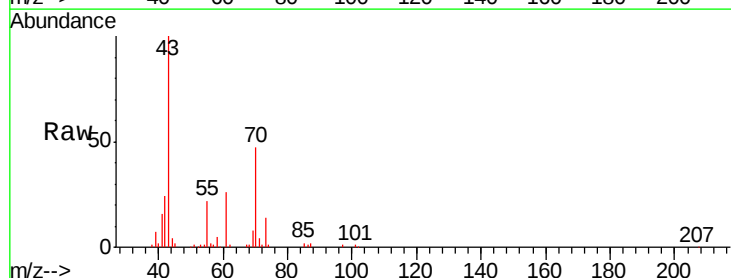
Ion Ratio Lower Upper

43 100

70 47.5 35.7 53.5

55 23.1 17.2 25.8

61 27.8 19.8 29.8

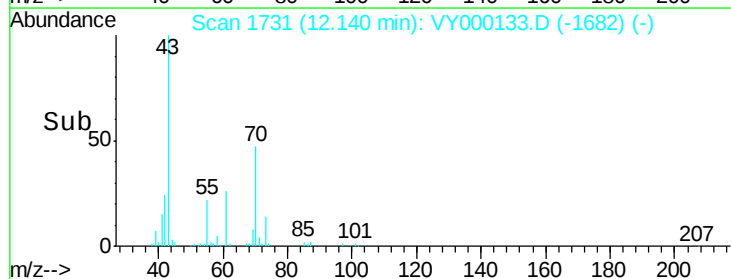
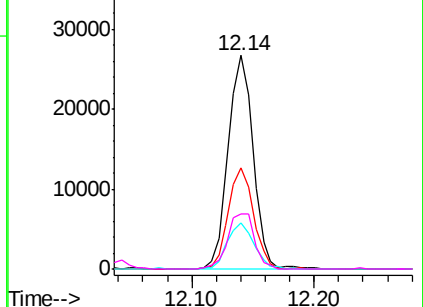


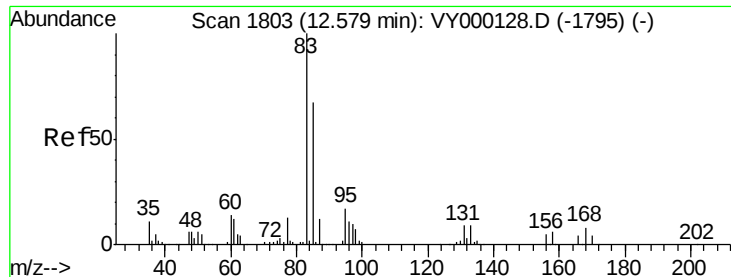
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.269 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

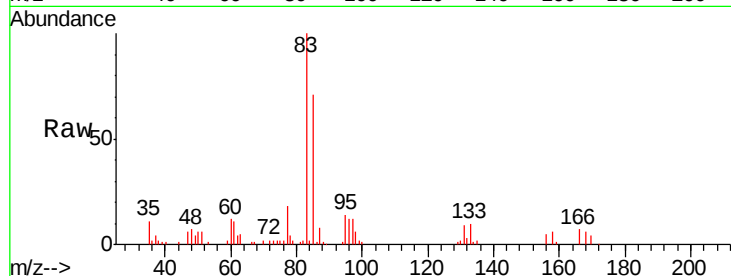
Tgt Ion: 83 Resp: 26977

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

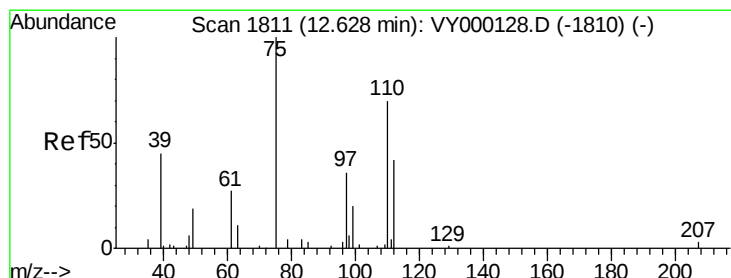
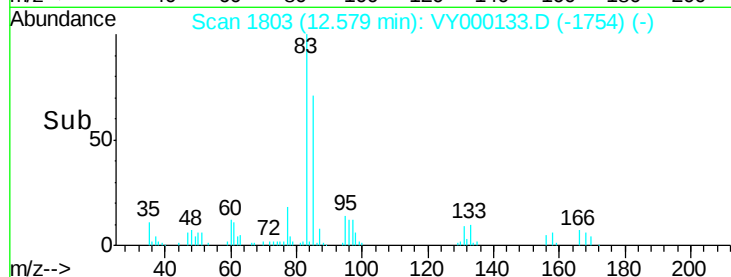
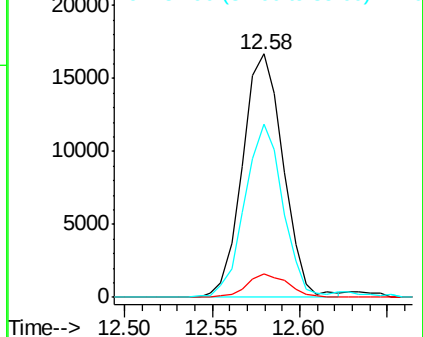
85 67.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 44.460 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VY000133.D

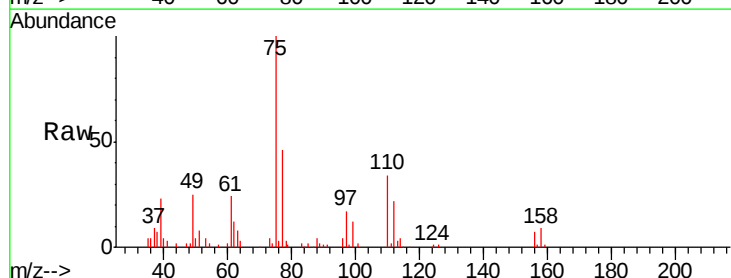
Acq: 23 Sep 2019 15:54

Tgt Ion: 75 Resp: 39009

Ion Ratio Lower Upper

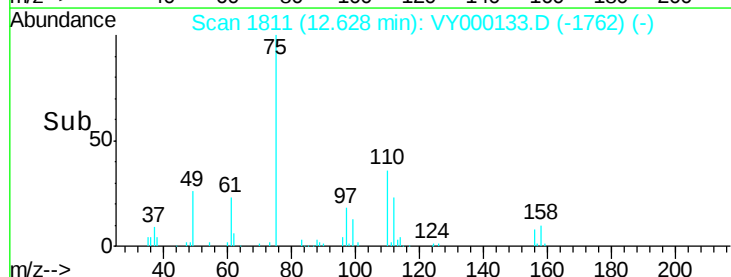
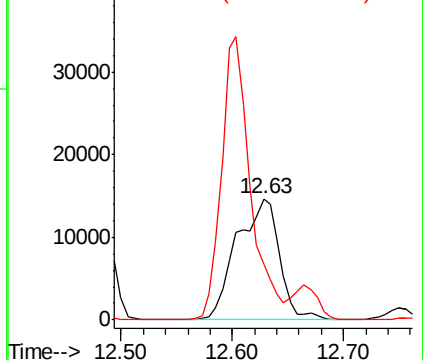
75 100

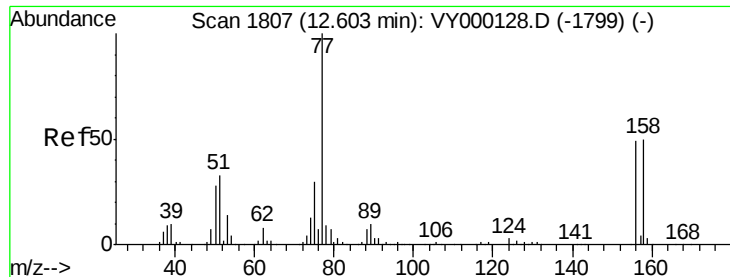
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.451 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

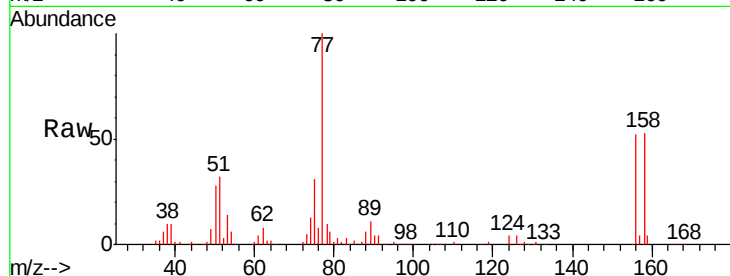
Tgt Ion:156 Resp: 28507

Ion Ratio Lower Upper

156 100

77 215.9 105.0 314.9

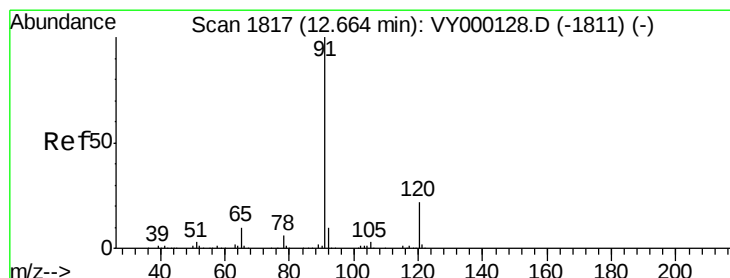
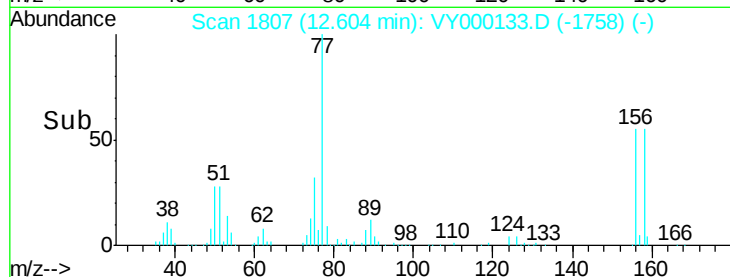
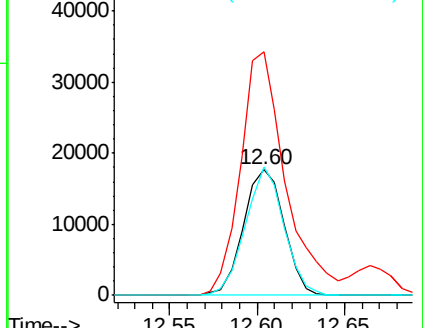
158 96.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.783 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000133.D

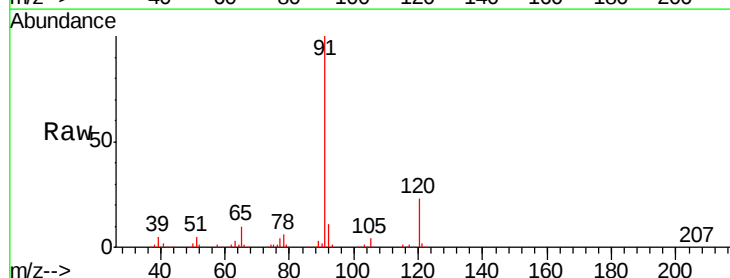
Acq: 23 Sep 2019 15:54

Tgt Ion: 91 Resp: 163091

Ion Ratio Lower Upper

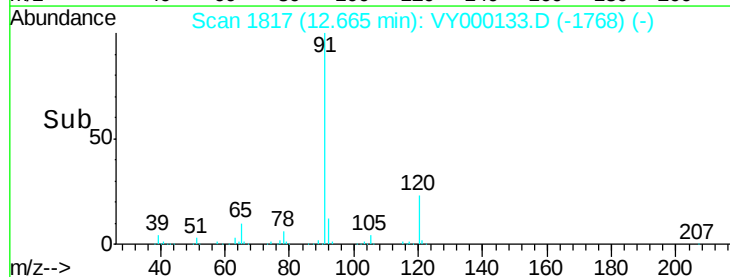
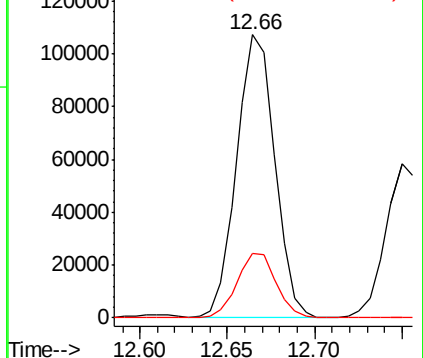
91 100

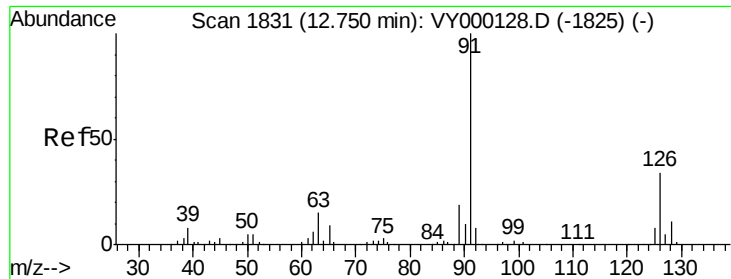
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

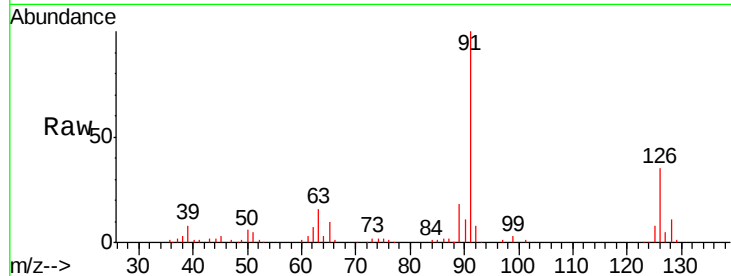




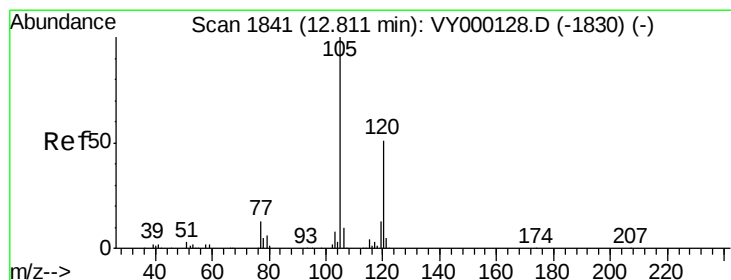
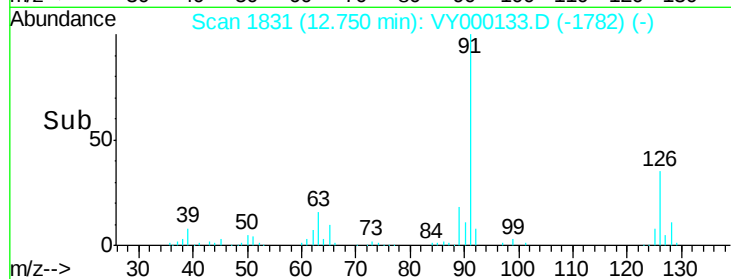
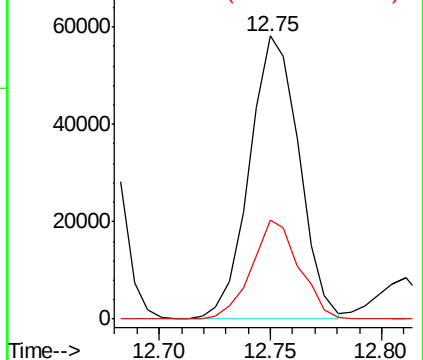
#79
 2-Chlorotoluene
 Concen: 19.791 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tgt Ion: 91 Resp: 89570
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.5 52.5

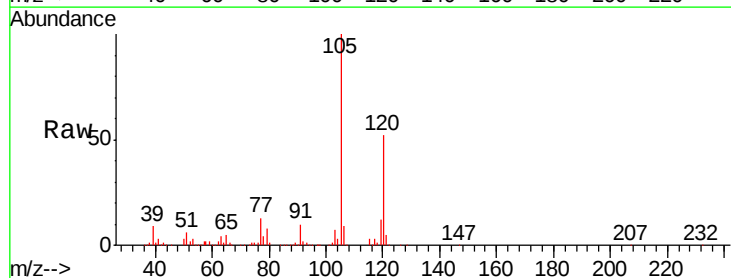


Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 125.90 (125.60 to 126.60): V

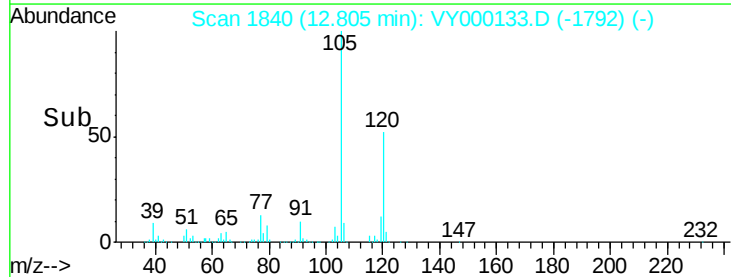
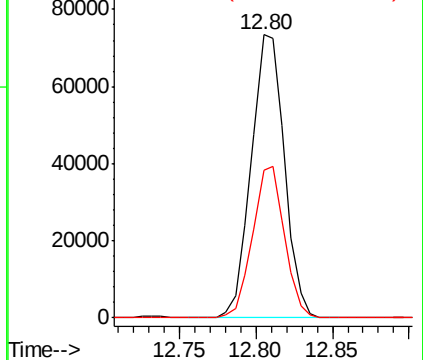


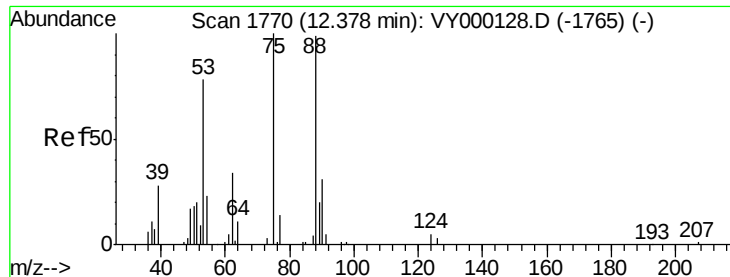
#80
 1,3,5-Trimethylbenzene
 Concen: 19.897 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 105 Resp: 110996
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.3 75.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.200 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

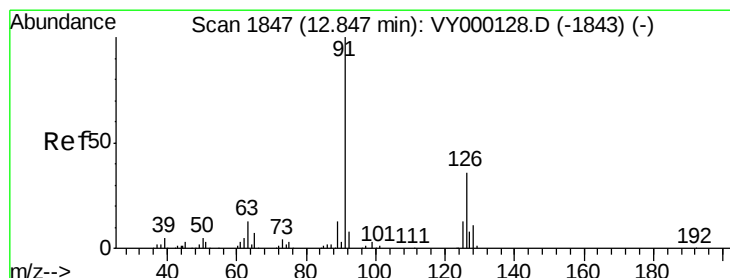
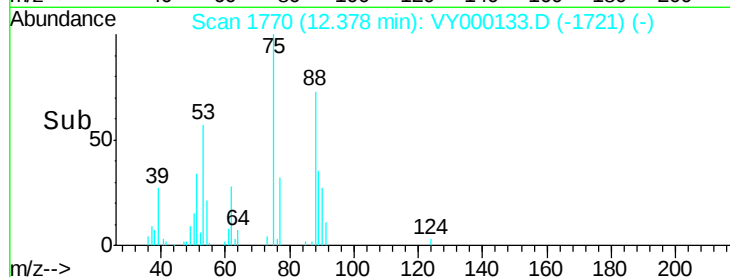
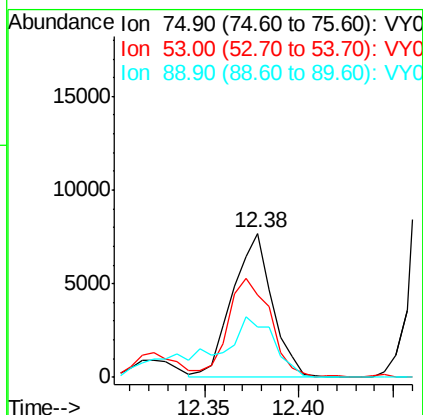
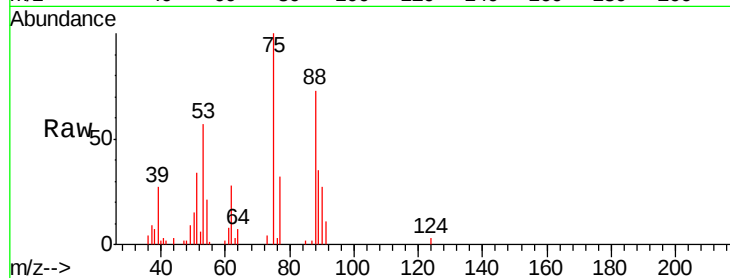
Tgt Ion: 75 Resp: 11316

Ion Ratio Lower Upper

75 100

53 72.9 62.5 93.7

89 70.2 31.4 47.2#



#82

4-Chlorotoluene

Concen: 20.002 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VY000133.D

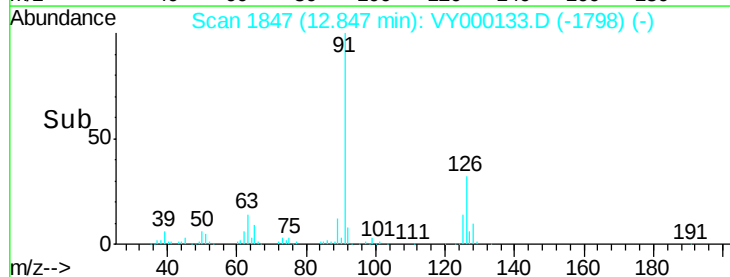
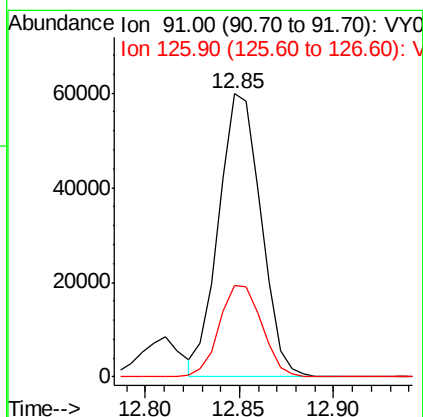
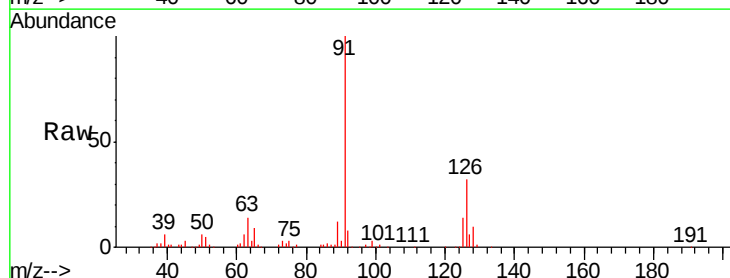
Acq: 23 Sep 2019 15:54

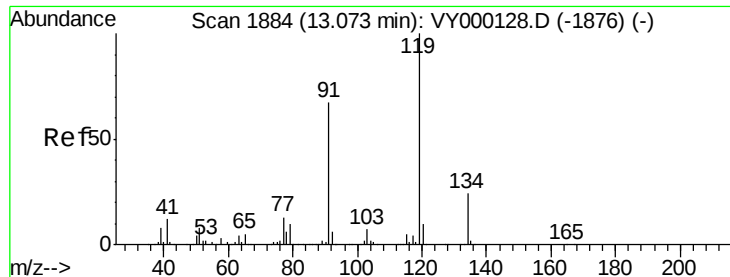
Tgt Ion: 91 Resp: 93367

Ion Ratio Lower Upper

91 100

126 32.6 17.3 51.9

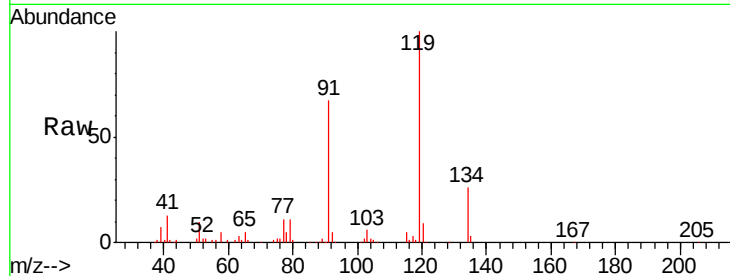




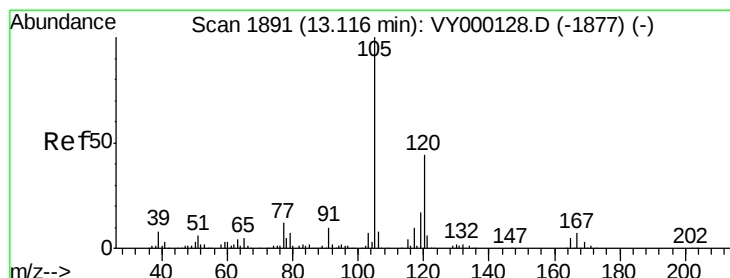
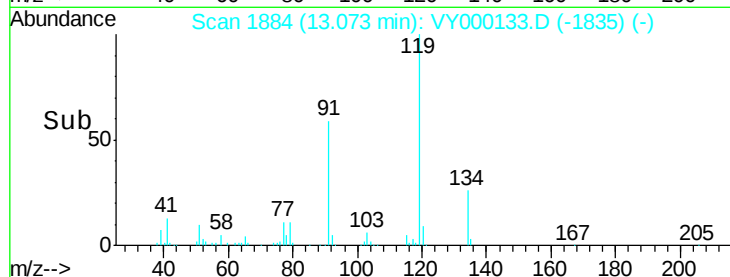
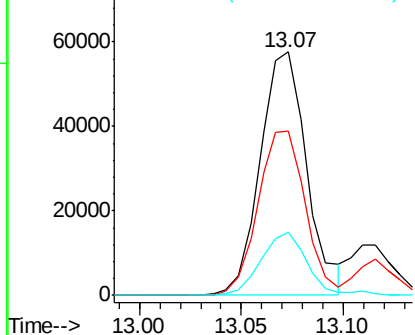
#83
 tert-Butylbenzene
 Concen: 20.097 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tgt Ion:119 Resp: 91838
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.6 100.8
 134 26.1 12.6 37.6

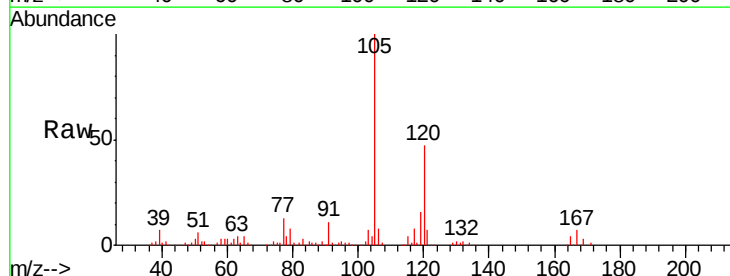


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VY0
 Ion 134.00 (133.70 to 134.70): V

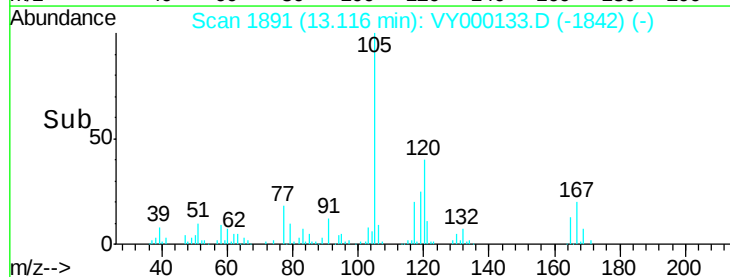
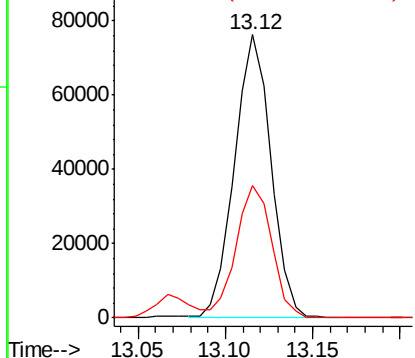


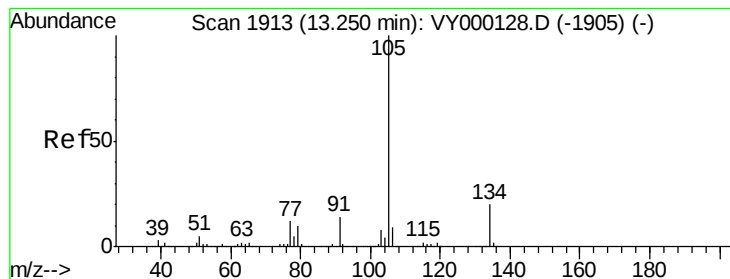
#84
 1,2,4-Trimethylbenzene
 Concen: 19.871 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:105 Resp: 110625
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

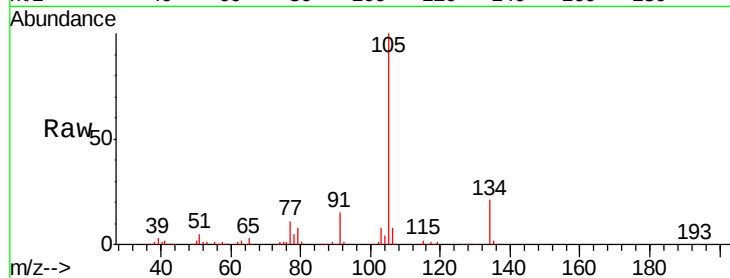
VY0923SBS01

Tgt Ion:105 Resp: 135813

Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

100000

80000

60000

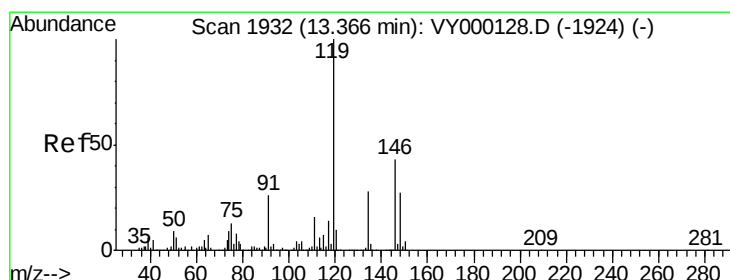
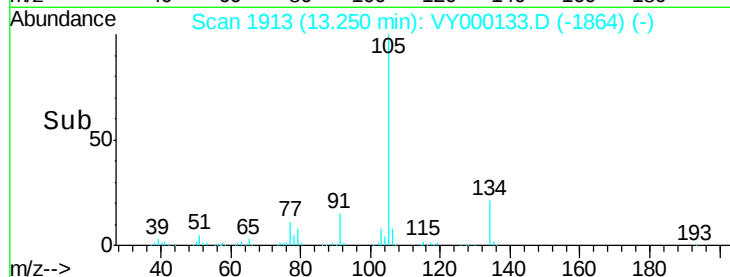
40000

20000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

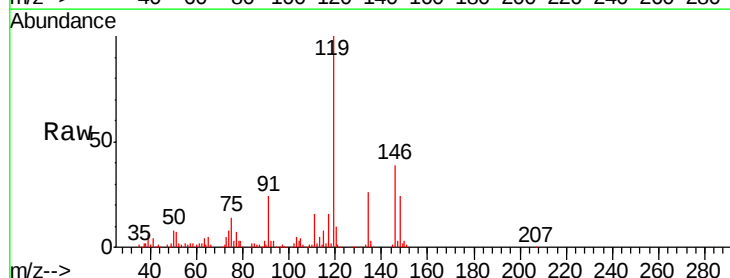
Tgt Ion:119 Resp: 114679

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 25.4 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

100000

80000

60000

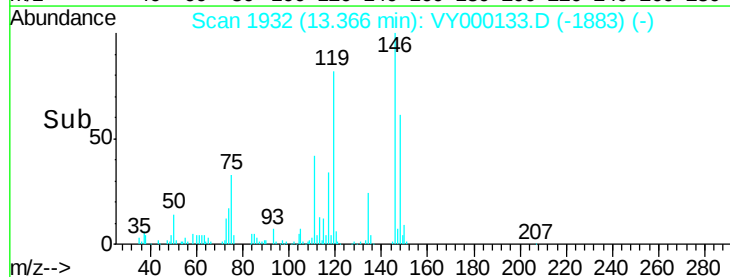
40000

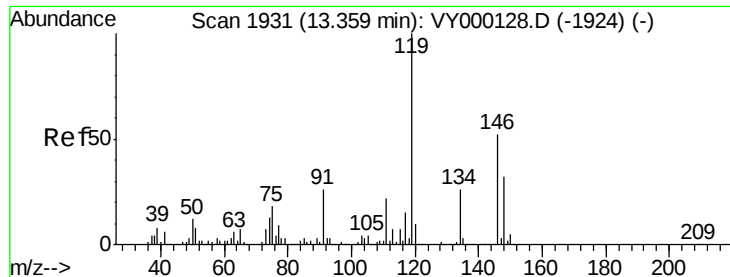
20000

0

13.30 13.35 13.40

Time-->

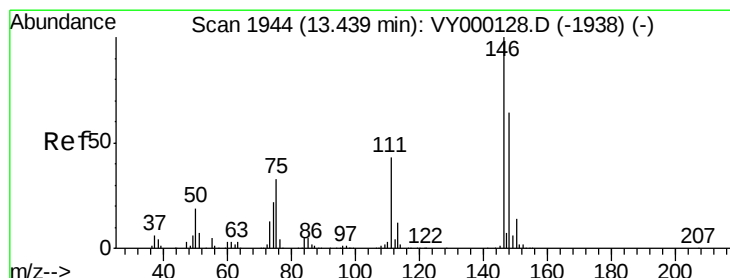
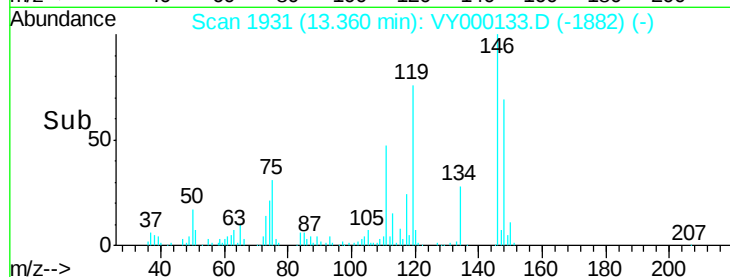
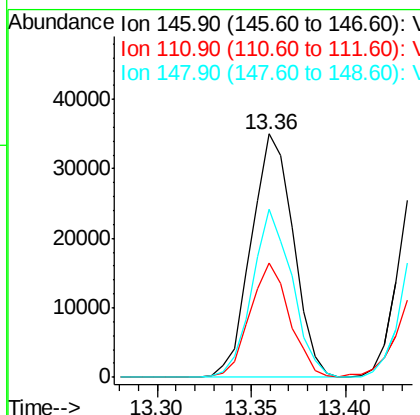
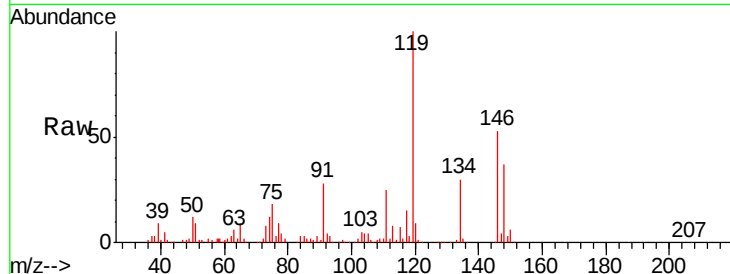




#87
 1,3-Dichlorobenzene
 Concen: 19.904 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

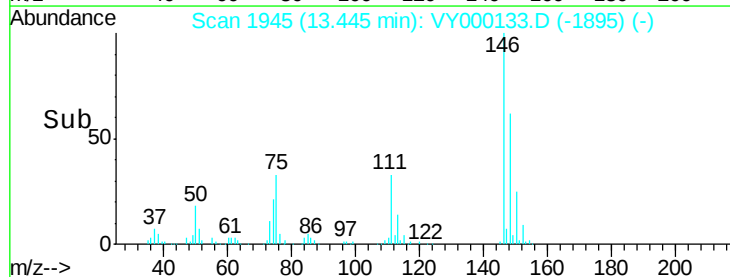
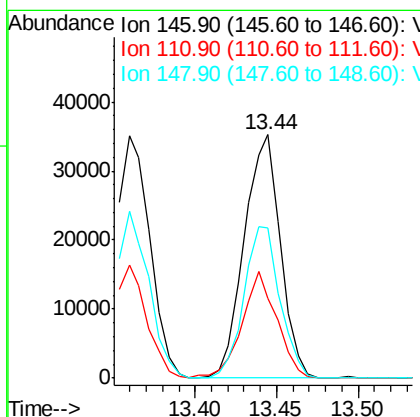
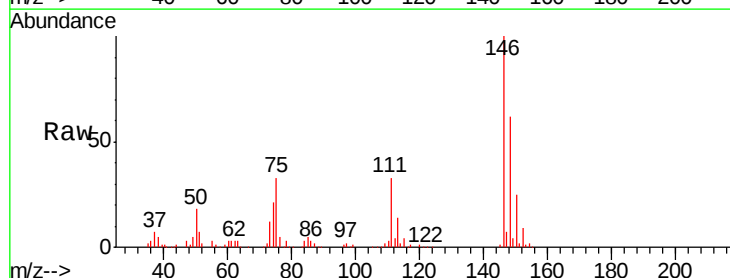
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

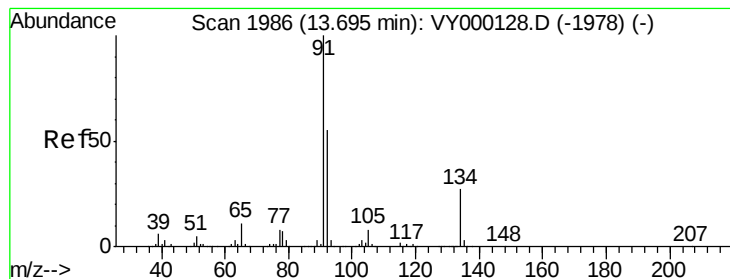
Tgt Ion:146 Resp: 54286
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.4 61.2
 148 65.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.602 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion:146 Resp: 54570
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.6 61.8
 148 62.1 31.6 95.0





#89

n-Butylbenzene

Concen: 19.913 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

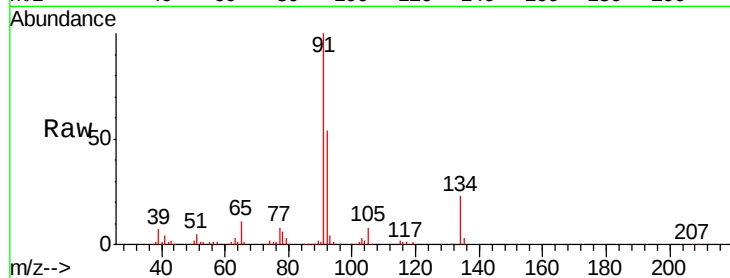
Tgt Ion: 91 Resp: 118964

Ion Ratio Lower Upper

91 100

92 52.9 27.2 81.5

134 24.6 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

40000

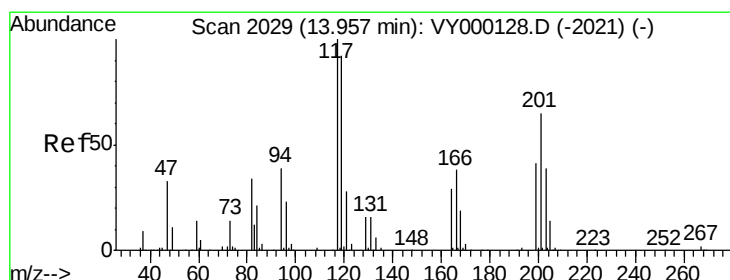
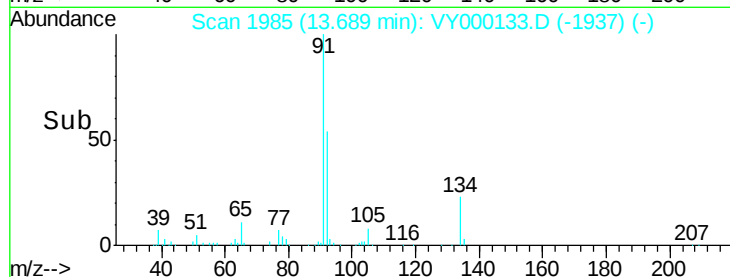
20000

0

13.69

13.65 13.70 13.75

Time-->



#90

Hexachloroethane

Concen: 19.285 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VY000133.D

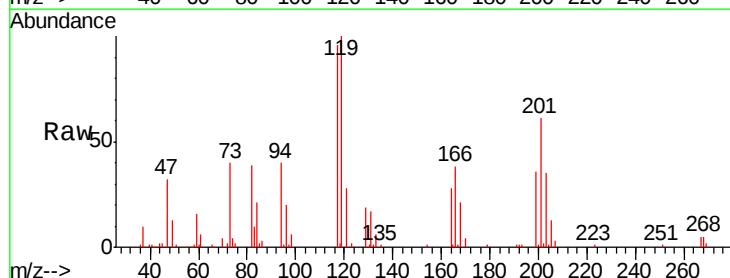
Acq: 23 Sep 2019 15:54

Tgt Ion: 117 Resp: 22244

Ion Ratio Lower Upper

117 100

201 59.5 30.1 90.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

15000

10000

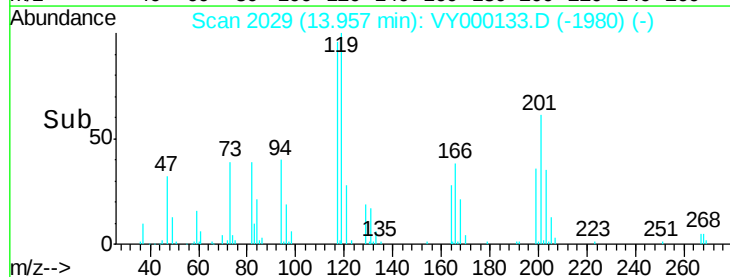
5000

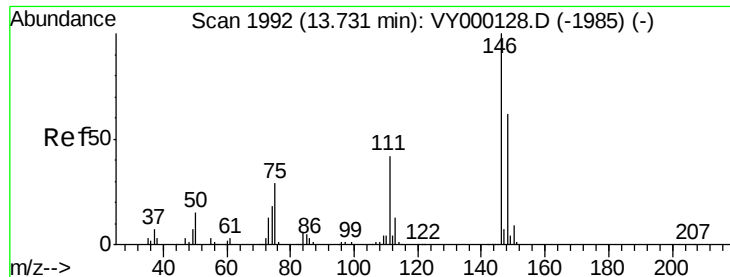
0

13.96

13.90 13.95 14.00

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.025 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. 0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

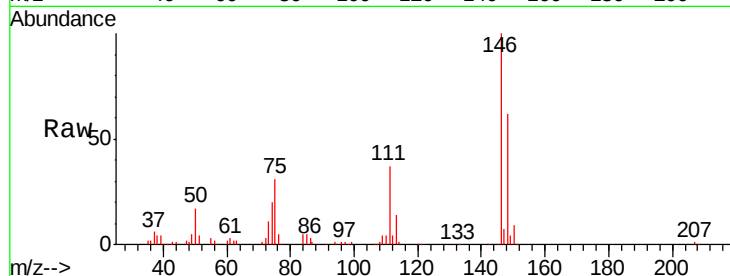
Tgt Ion:146 Resp: 51525

Ion Ratio Lower Upper

146 100

111 43.3 21.7 65.1

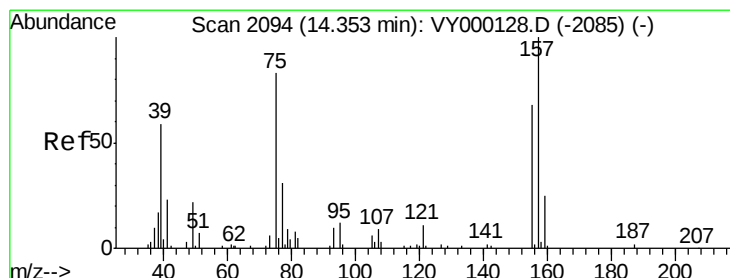
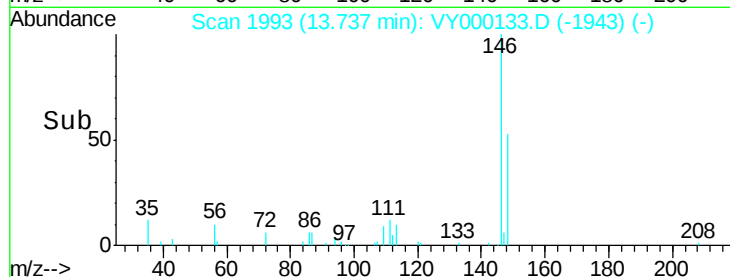
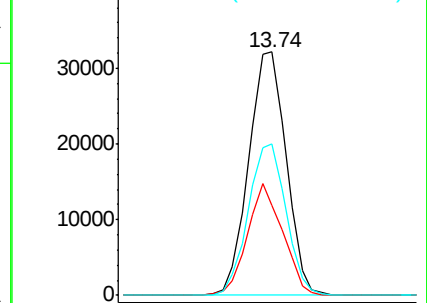
148 62.5 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.960 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

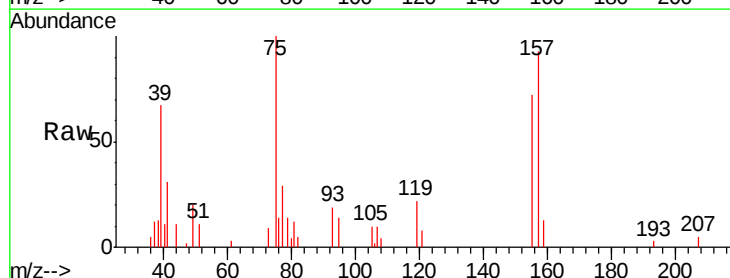
Tgt Ion: 75 Resp: 5372

Ion Ratio Lower Upper

75 100

155 72.1 44.7 134.1

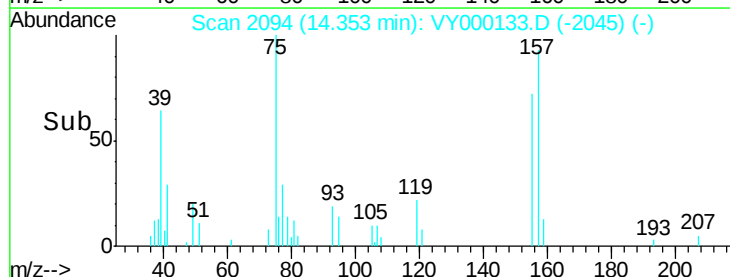
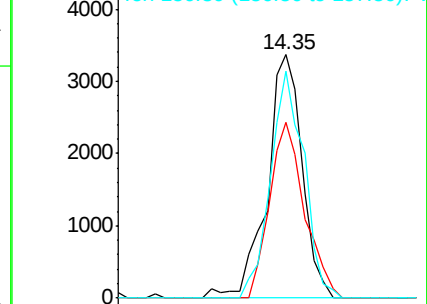
157 89.2 55.9 167.7

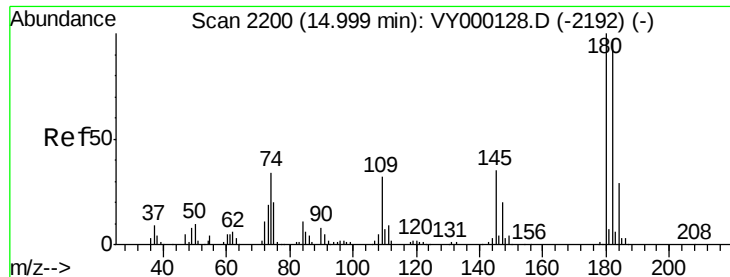


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

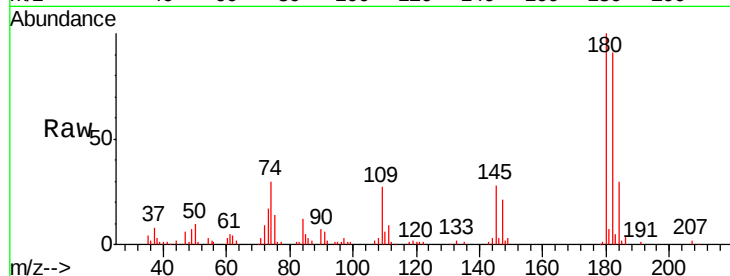




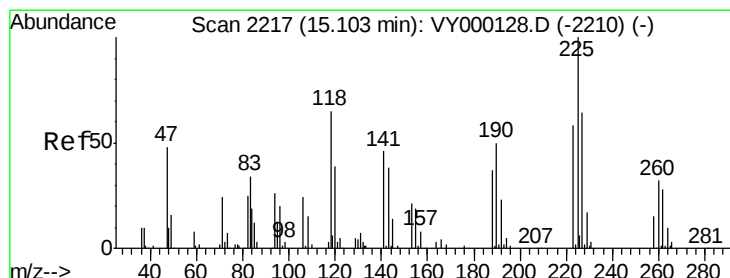
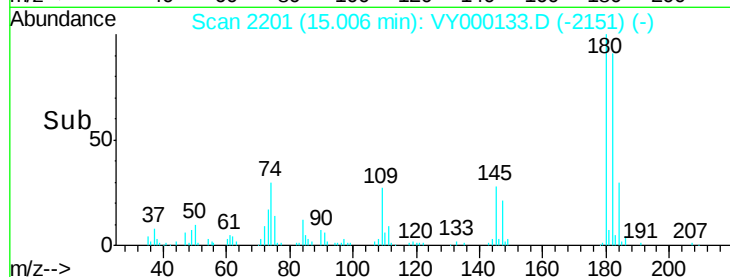
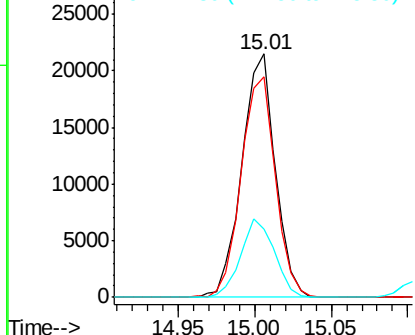
#93
 1,2,4-Trichlorobenzene
 Concen: 19.687 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.1	138.2
145	32.5	16.8	50.3

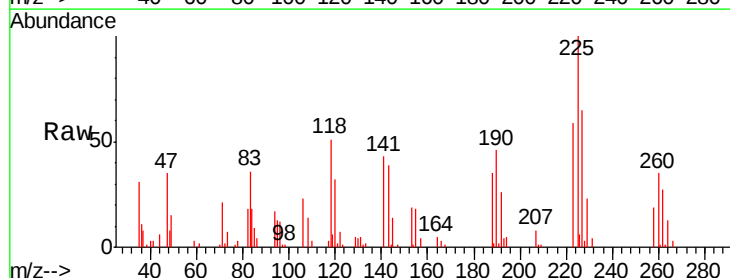


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

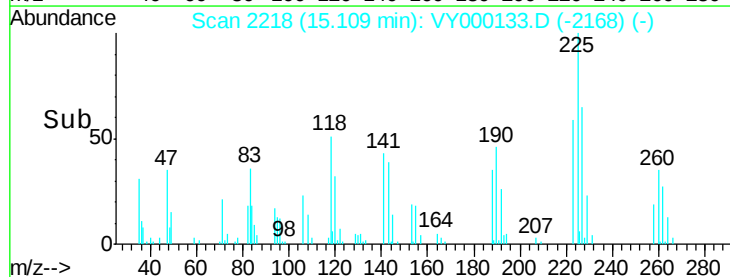
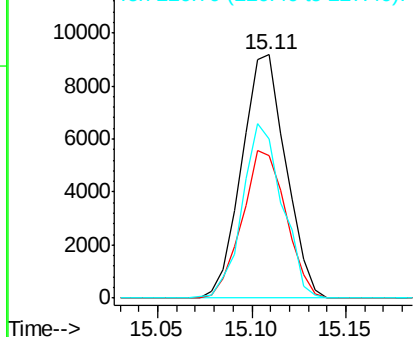


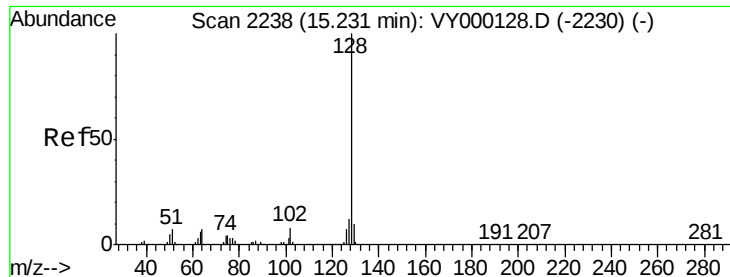
#94
 Hexachlorobutadiene
 Concen: 20.259 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.5
227	65.1	32.3	96.8



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

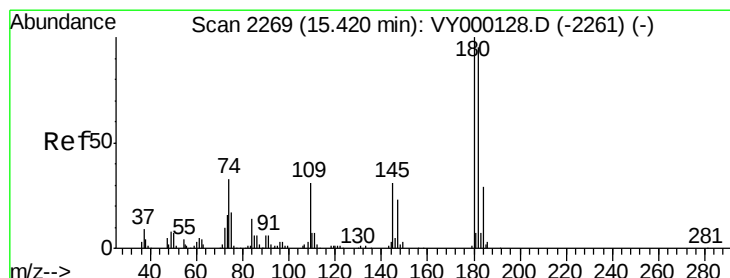
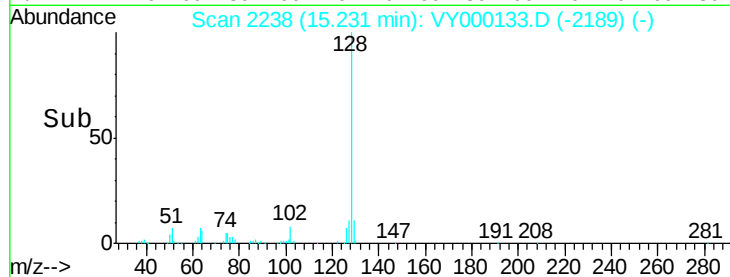
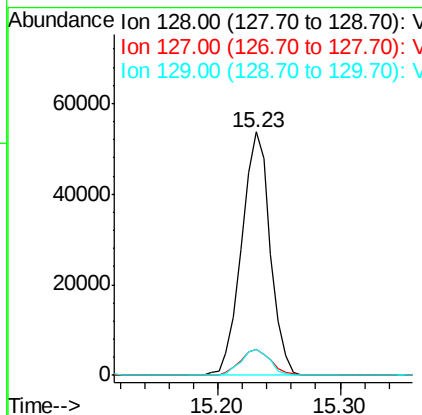
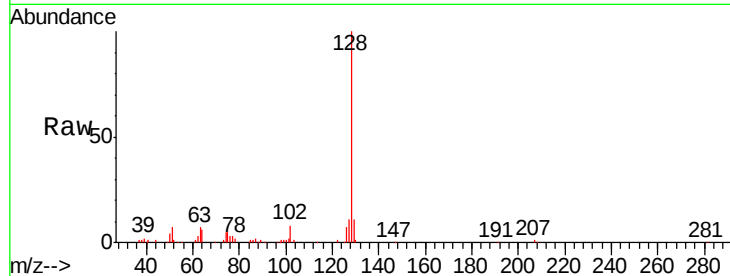




#95
Naphthalene
Concen: 20.764 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tgt Ion:128 Resp: 86834
Ion Ratio Lower Upper
128 100
127 11.5 9.7 14.5
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.032 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion:180 Resp: 31031
Ion Ratio Lower Upper
180 100
182 90.9 47.4 142.3
145 35.3 17.5 52.6

