

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
 Data File : VY000003.D
 Acq On : 11 Sep 2019 16:54
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 12 08:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	155731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	292218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	249215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	16505	9.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.20%	
35) Dibromofluoromethane	7.71	113	18201	10.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.12%	
50) Toluene-d8	10.18	98	67622	9.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.78%	
62) 4-Bromofluorobenzene	12.48	95	26620	10.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	12086	13.782	ug/l 93
3) Chloromethane	2.11	50	24222	21.892	ug/l 97
4) Vinyl Chloride	2.25	62	18409	13.860	ug/l 97
5) Bromomethane	2.63	94	11341	15.598	ug/l 93
6) Chloroethane	2.78	64	12280	15.231	ug/l 95
7) Trichlorofluoromethane	3.11	101	22225	20.872	ug/l 94
8) Diethyl Ether	3.53	74	8670	11.641	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	14664	10.749	ug/l # 94
10) Methyl Iodide	4.09	142	16467	9.654	ug/l 98
11) Tert butyl alcohol	4.96	59	5074	36.092	ug/l # 78
12) 1,1-Dichloroethene	3.87	96	13424	10.367	ug/l # 90
13) Acrolein	3.73	56	8893	63.726	ug/l 85
14) Allyl chloride	4.47	41	22524	8.819	ug/l 99
15) Acrylonitrile	5.17	53	30033	68.127	ug/l 96
16) Acetone	3.95	43	23313	50.845	ug/l 97
17) Carbon Disulfide	4.18	76	27903	10.263	ug/l 99
18) Methyl Acetate	4.48	43	12900	11.480	ug/l 95
19) Methyl tert-butyl Ether	5.22	73	40182	14.606	ug/l 98
20) Methylene Chloride	4.71	84	19470	12.907	ug/l 90
21) trans-1,2-Dichloroethene	5.21	96	15410	11.611	ug/l # 81
22) Diisopropyl ether	6.12	45	47400	9.309	ug/l 94
23) Vinyl Acetate	6.06	43	160953	49.450	ug/l 96
24) 1,1-Dichloroethane	6.02	63	29196	10.486	ug/l 96
25) 2-Butanone	6.99	43	35840	57.163	ug/l 98
26) 2,2-Dichloropropane	6.98	77	24826	13.352	ug/l 99
27) cis-1,2-Dichloroethene	6.99	96	20640	13.175	ug/l 95
28) Bromochloromethane	7.33	49	13150	10.137	ug/l 91
29) Tetrahydrofuran	7.35	42	22466	58.321	ug/l 97
30) Chloroform	7.51	83	28678	10.267	ug/l 97
31) Cyclohexane	7.78	56	24723	9.883	ug/l # 83
32) 1,1,1-Trichloroethane	7.70	97	23333	10.309	ug/l 98
36) 1,1-Dichloropropene	7.92	75	20487	8.279	ug/l 97
37) Ethyl Acetate	7.08	43	13865	8.703	ug/l 96
38) Carbon Tetrachloride	7.90	117	18679	7.685	ug/l 97

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 VSTDIC010

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	25162	8.890	ug/l	92
40) Benzene	8.16	78	67002	9.512	ug/l	97
41) Methacrylonitrile	7.31	41	9113	9.762	ug/l #	89
42) 1,2-Dichloroethane	8.24	62	17953	7.568	ug/l	96
43) Isopropyl Acetate	8.27	43	27132	9.006	ug/l #	91
44) Trichloroethene	8.93	130	16662	9.159	ug/l	99
45) 1,2-Dichloropropane	9.21	63	17510	9.031	ug/l	93
46) Dibromomethane	9.30	93	9246	9.909	ug/l	95
47) Bromodichloromethane	9.49	83	21861	8.688	ug/l #	93
48) Methyl methacrylate	9.29	41	11362	7.908	ug/l	97
49) 1,4-Dioxane	9.30	88	3942	208.449	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	73971	46.352	ug/l	100
52) Toluene	10.24	92	43080	9.780	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	23201	8.916	ug/l	89
54) cis-1,3-Dichloropropene	9.93	75	27496	9.317	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	14600	10.367	ug/l	96
56) Ethyl methacrylate	10.51	69	21075	10.260	ug/l	99
57) 1,3-Dichloropropane	10.79	76	23183	9.037	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	61210	55.683	ug/l	100
59) 2-Hexanone	10.83	43	51816	44.448	ug/l	99
60) Dibromochloromethane	10.98	129	15235	9.350	ug/l	95
61) 1,2-Dibromoethane	11.09	107	13475	10.404	ug/l	98
64) Tetrachloroethene	10.71	164	16025	10.786	ug/l	90
65) Chlorobenzene	11.51	112	44759	9.628	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	15895	9.370	ug/l	99
67) Ethyl Benzene	11.59	91	81980	9.489	ug/l	99
68) m/p-Xylenes	11.69	106	62341	19.689	ug/l	100
69) o-Xylene	12.02	106	29851	10.007	ug/l	97
70) Styrene	12.04	104	50218	9.573	ug/l	97
71) Bromoform	12.20	173	9022	9.430	ug/l #	97
73) Isopropylbenzene	12.33	105	79179	10.380	ug/l	99
74) N-amyl acetate	12.14	43	21356	9.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	18825	11.894	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	24932	22.045	ug/l #	100
77) Bromobenzene	12.60	156	17040	9.921	ug/l	94
78) n-propylbenzene	12.66	91	94884	10.338	ug/l	96
79) 2-Chlorotoluene	12.75	91	54336	10.373	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	65893	10.270	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	6882	12.625	ug/l #	86
82) 4-Chlorotoluene	12.85	91	55542	10.024	ug/l	97
83) tert-Butylbenzene	13.07	119	57963	10.272	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	63041	9.716	ug/l	98
85) sec-Butylbenzene	13.25	105	82880	10.468	ug/l	100
86) p-Isopropyltoluene	13.37	119	69706	9.767	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	33048	9.735	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	32600	9.670	ug/l	93
89) n-Butylbenzene	13.69	91	67647	9.671	ug/l	98
90) Hexachloroethane	13.95	117	14063	11.029	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	30555	9.970	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3552	12.174	ug/l	98

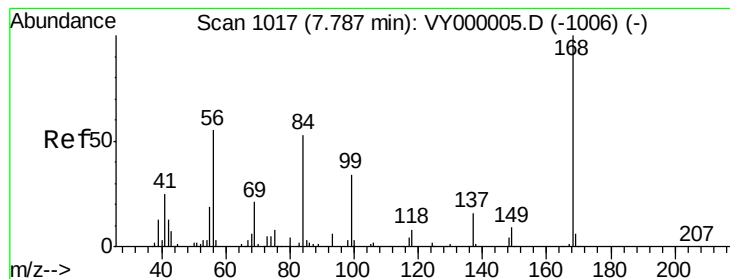
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
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Quant Title : SW846 8260
QLast Update : Thu Sep 12 08:42:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	18186	8.794	ug/l	96
94) Hexachlorobutadiene	15.11	225	9089	6.624	ug/l	96
95) Naphthalene	15.22	128	50558	12.260	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16828	9.146	ug/l	98

(#) = 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. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

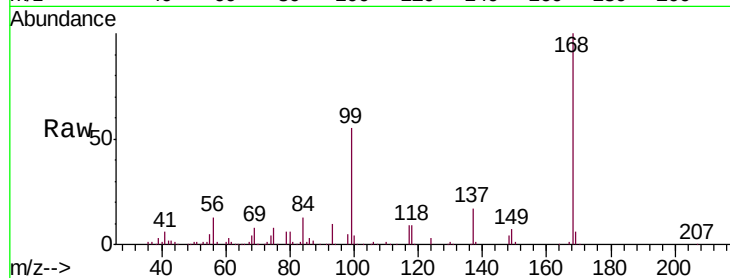
VSTDIC010

Tgt Ion: 168 Resp: 155731

Ion Ratio Lower Upper

168 100

99 54.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000005.D (-1006) (-)

Ion 98.90 (98.60 to 99.60): VY000005.D (-1006) (-)

7.79

60000

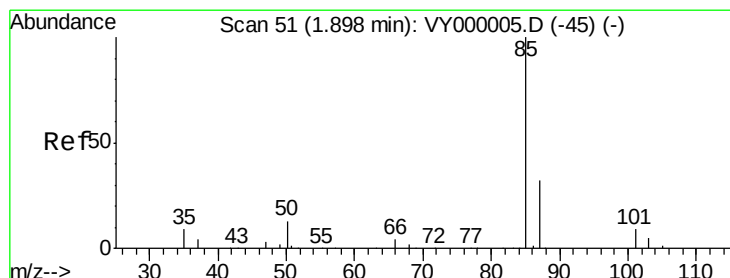
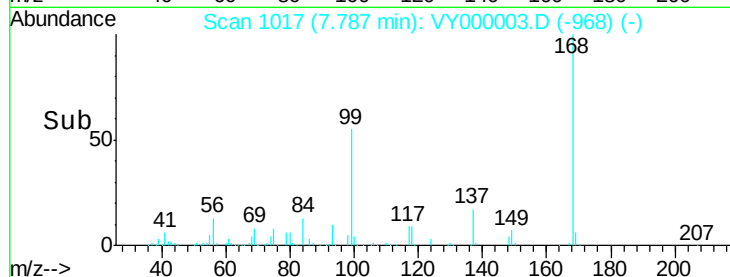
40000

20000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 13.782 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000003.D

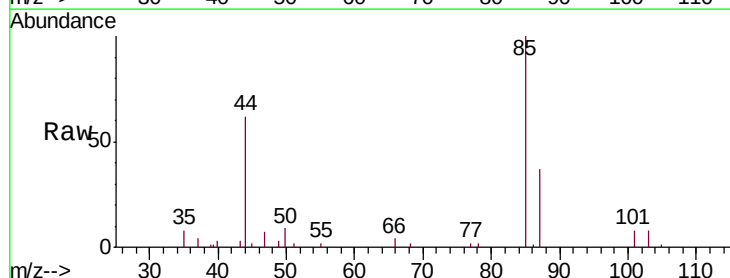
Acq: 11 Sep 2019 16:54

Tgt Ion: 85 Resp: 12086

Ion Ratio Lower Upper

85 100

87 36.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY000005.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000005.D (-45) (-)

1.90

8000

6000

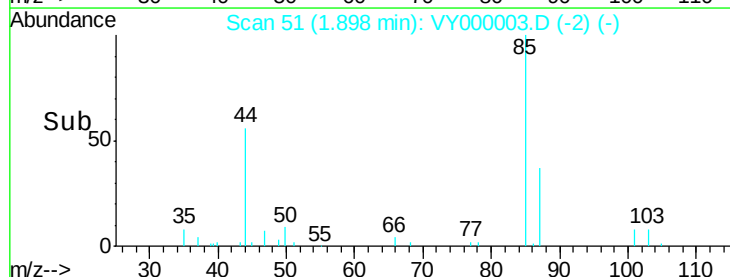
4000

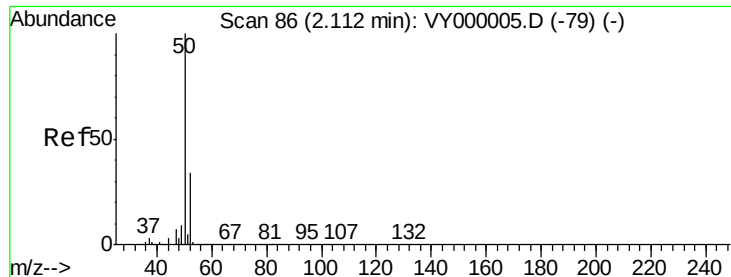
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 21.892 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

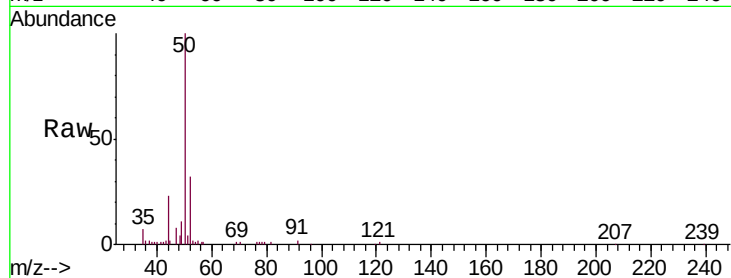
VSTDIC010

Tgt Ion: 50 Resp: 24222

Ion Ratio Lower Upper

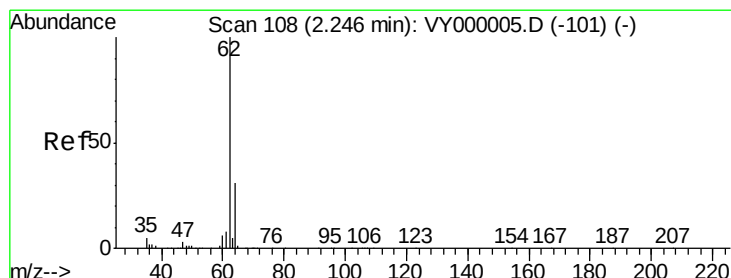
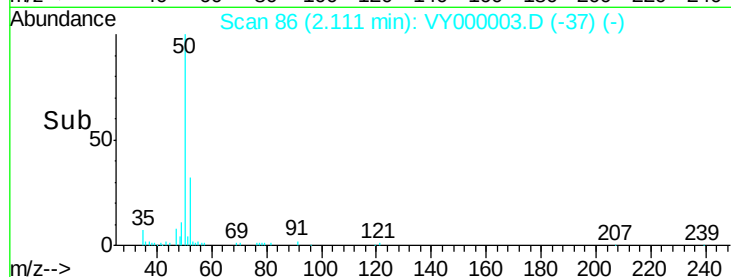
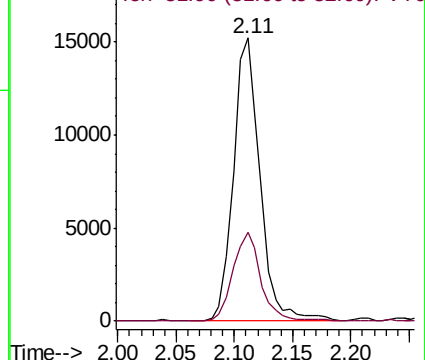
50 100

52 31.6 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 13.860 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000003.D

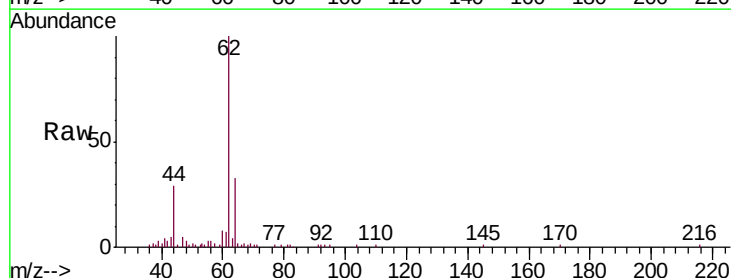
Acq: 11 Sep 2019 16:54

Tgt Ion: 62 Resp: 18409

Ion Ratio Lower Upper

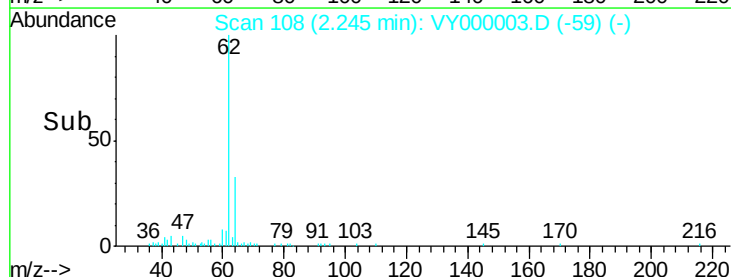
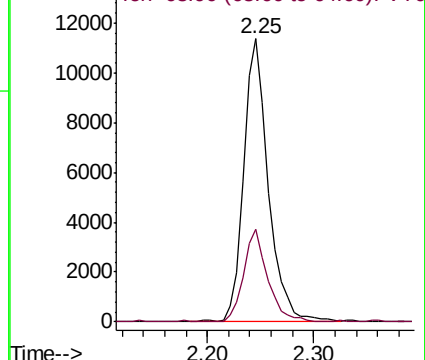
62 100

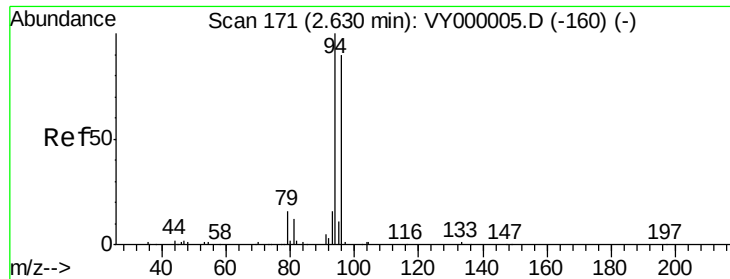
64 32.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 15.598 ug/l

RT: 2.63 min Scan# 171

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

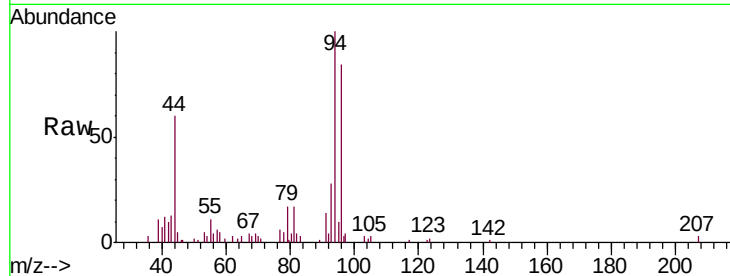
VSTDIC010

Tgt Ion: 94 Resp: 11341

Ion Ratio Lower Upper

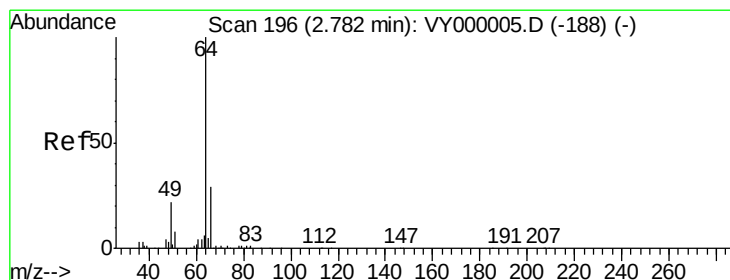
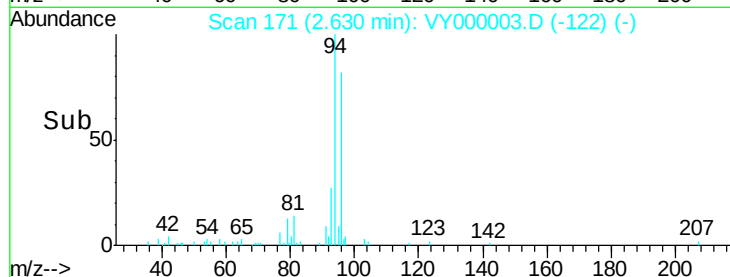
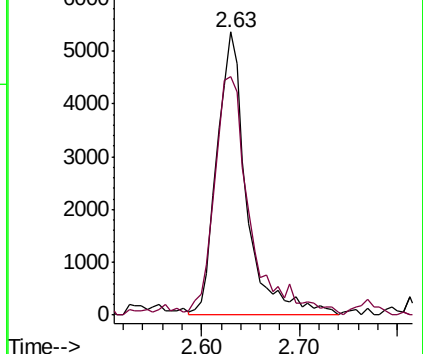
94 100

96 83.1 71.6 107.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 15.231 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000003.D

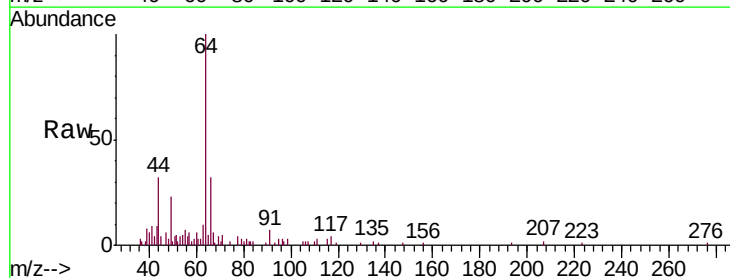
Acq: 11 Sep 2019 16:54

Tgt Ion: 64 Resp: 12280

Ion Ratio Lower Upper

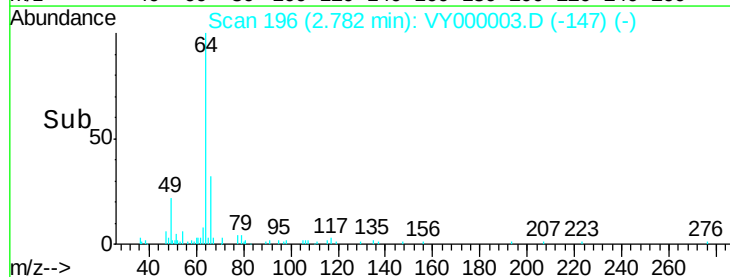
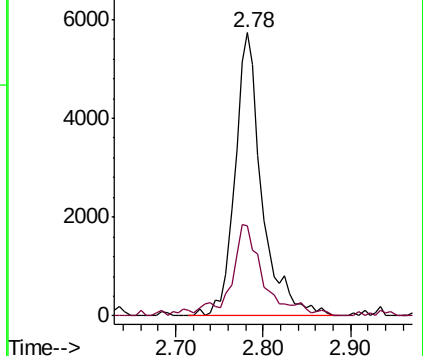
64 100

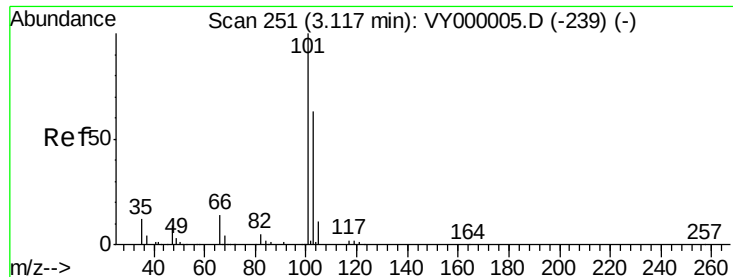
66 31.9 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



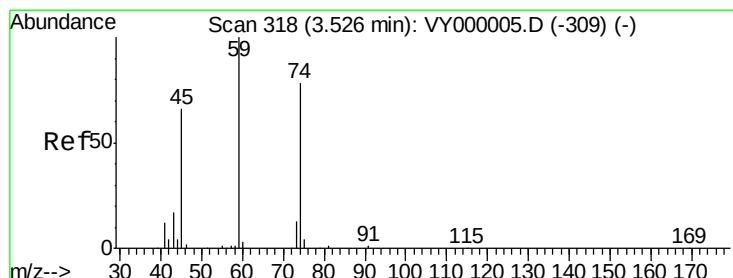
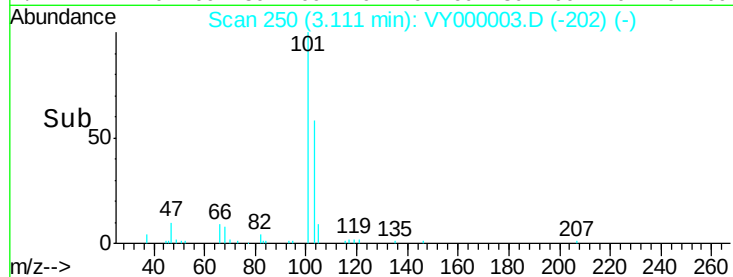
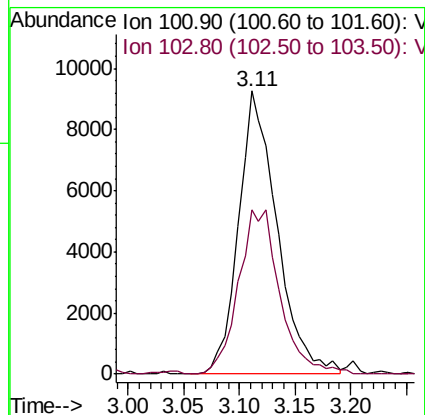
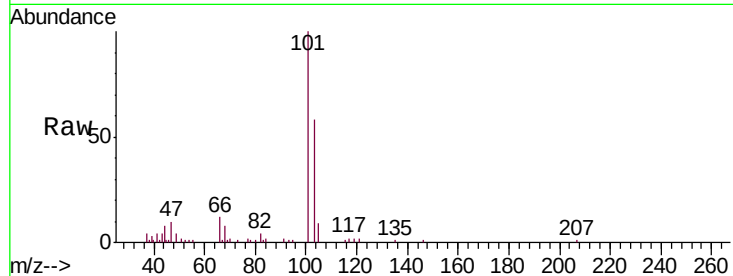


#7

Trichlorofluoromethane
 Concen: 20.872 ug/l
 RT: 3.11 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

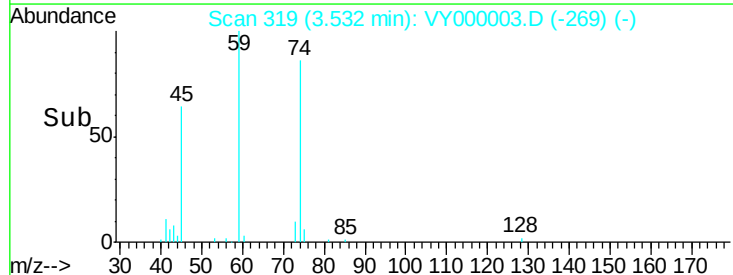
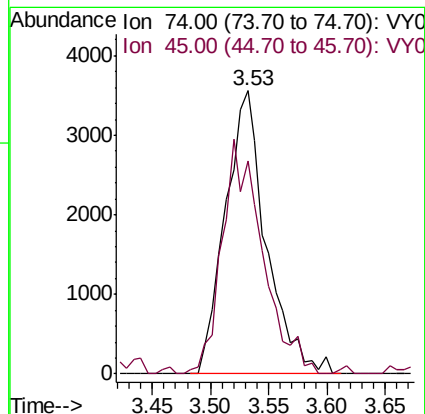
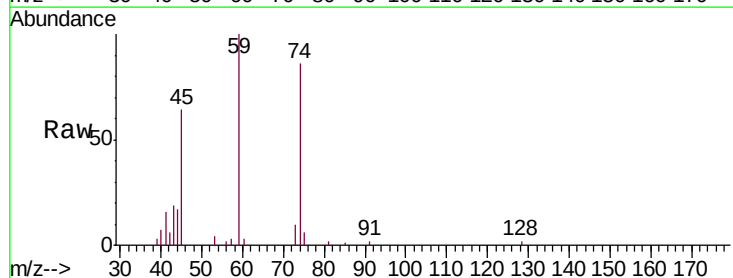
Tgt Ion:101 Resp: 22225
 Ion Ratio Lower Upper
 101 100
 103 58.0 50.0 75.0

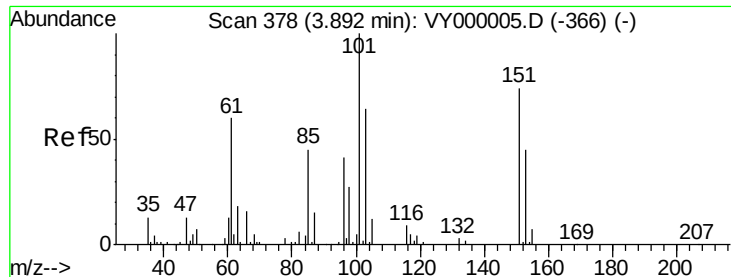


#8

Diethyl Ether
 Concen: 11.641 ug/l
 RT: 3.53 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 74 Resp: 8670
 Ion Ratio Lower Upper
 74 100
 45 82.1 40.5 121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.749 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

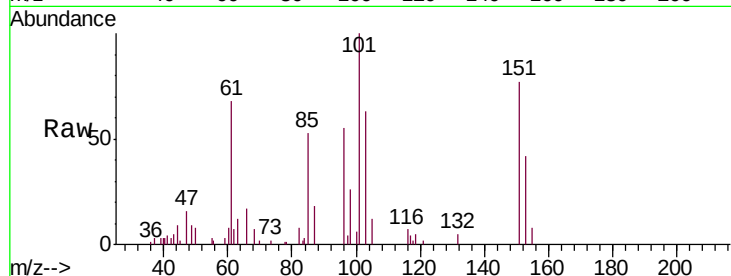
Tgt Ion:101 Resp: 14664

Ion Ratio Lower Upper

101 100

85 51.3 34.0 51.0#

151 70.9 57.3 85.9



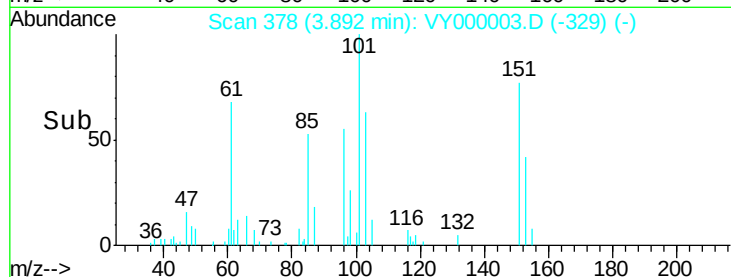
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V

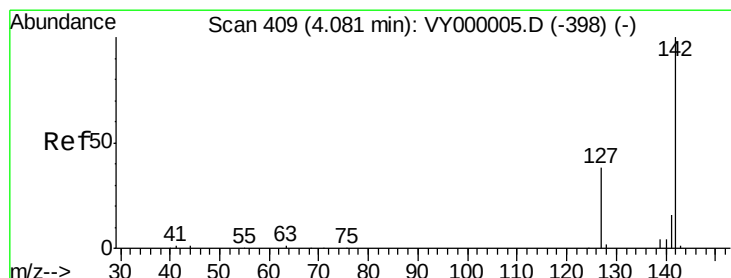
3.89

Time-->



3.89

Time-->



#10

Methyl Iodide

Concen: 9.654 ug/l

RT: 4.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

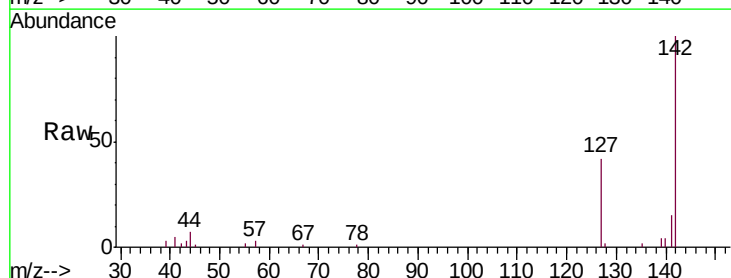
Tgt Ion:142 Resp: 16467

Ion Ratio Lower Upper

142 100

127 36.7 30.0 45.0

141 14.5 11.0 16.4



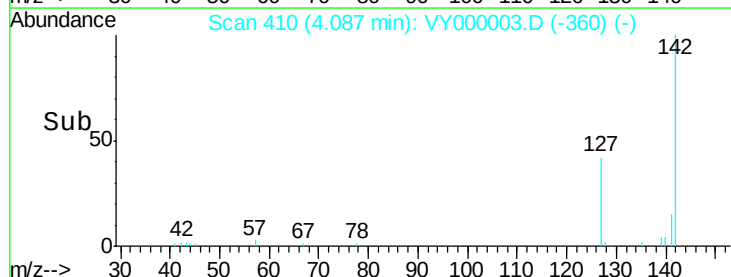
Abundance Ion 141.80 (141.50 to 142.50): V

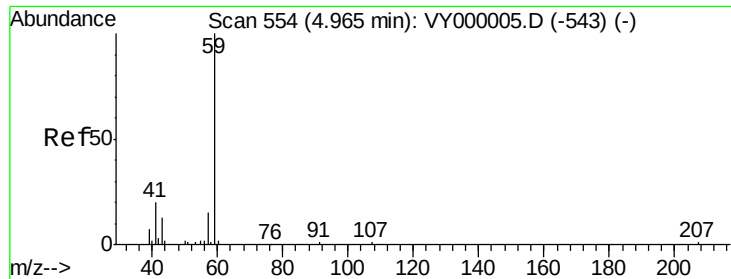
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.09

Time-->

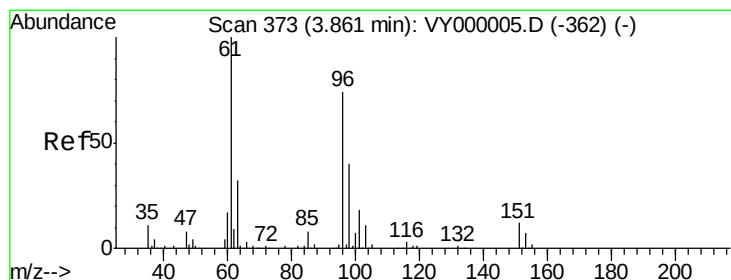
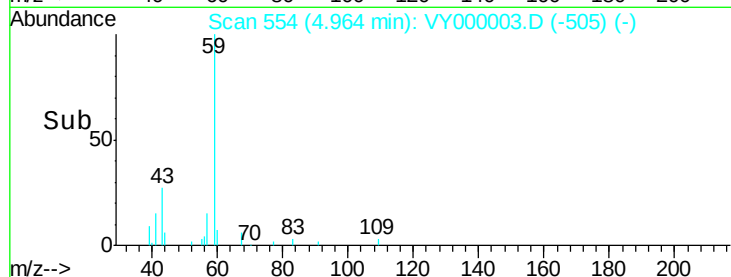
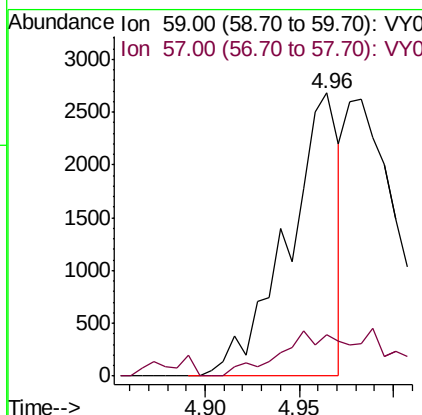
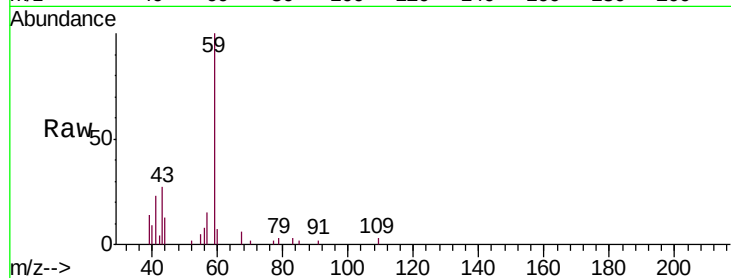




#11
Tert butyl alcohol
Concen: 36.092 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

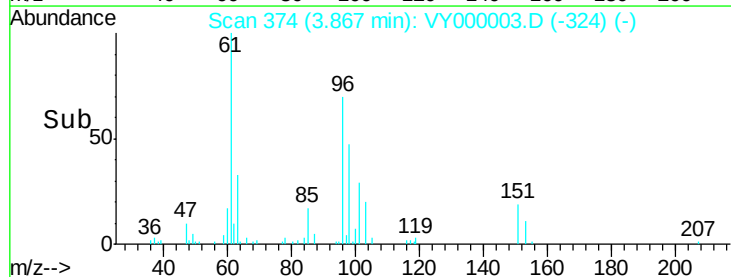
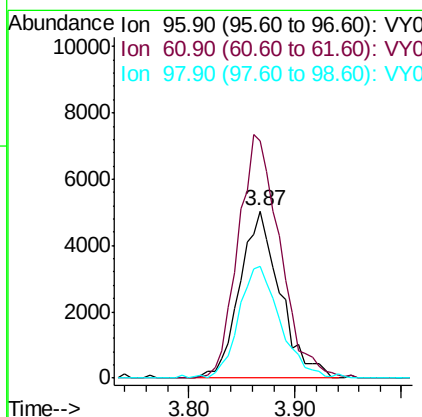
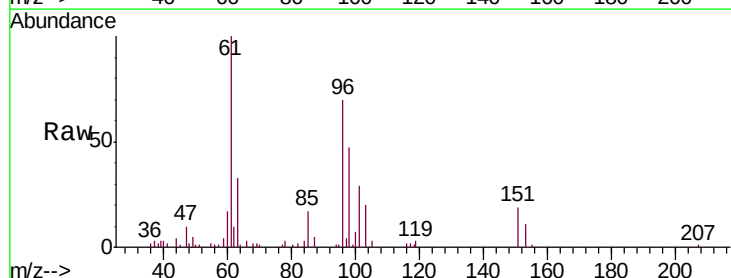
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

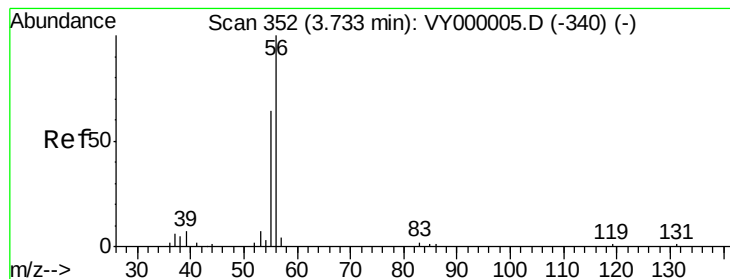
Tgt Ion: 59 Resp: 5074
Ion Ratio Lower Upper
59 100
57 19.4 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 10.367 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 96 Resp: 13424
Ion Ratio Lower Upper
96 100
61 142.0 108.1 162.1
98 67.2 42.8 64.2#





#13

Acrolein

Concen: 63.726 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

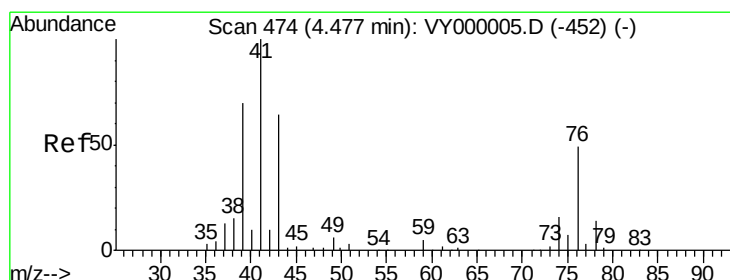
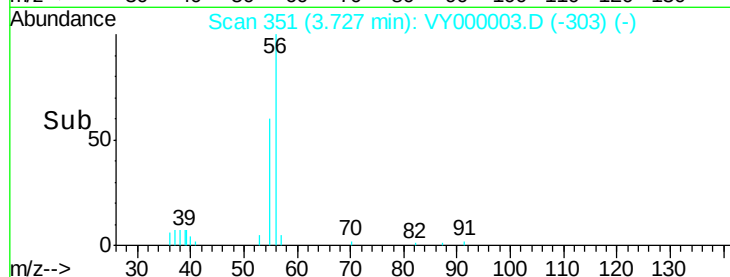
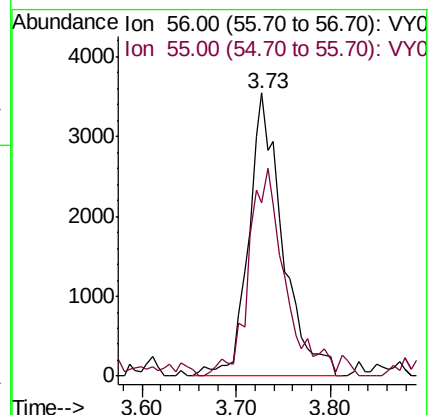
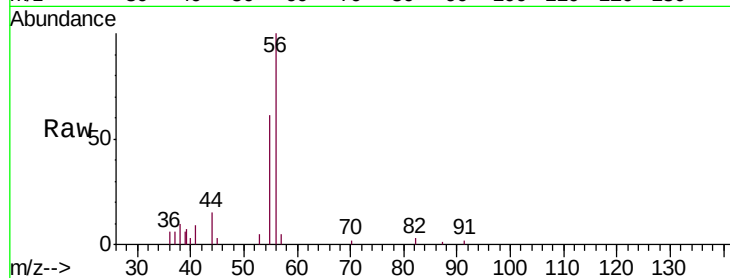
VSTDIC010

Tgt Ion: 56 Resp: 8893

Ion Ratio Lower Upper

56 100

55 78.7 53.3 79.9



#14

Allyl chloride

Concen: 8.819 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

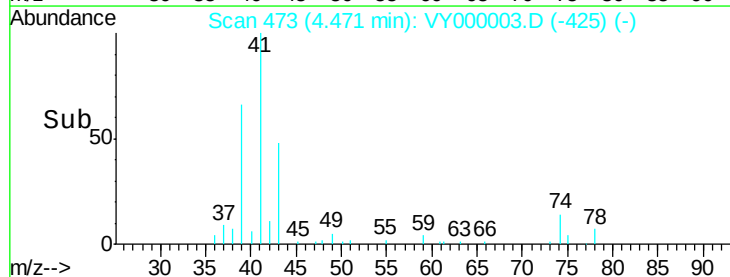
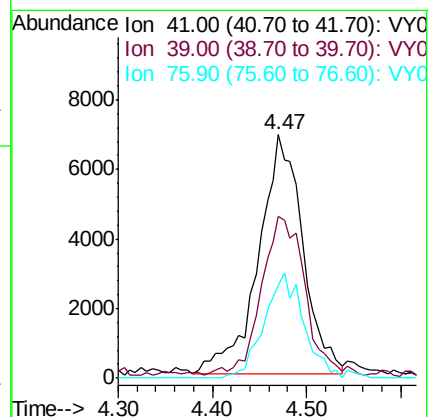
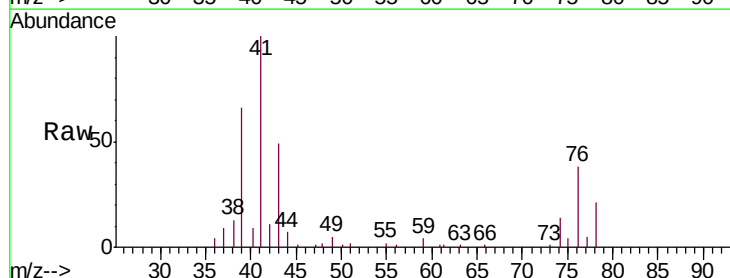
Tgt Ion: 41 Resp: 22524

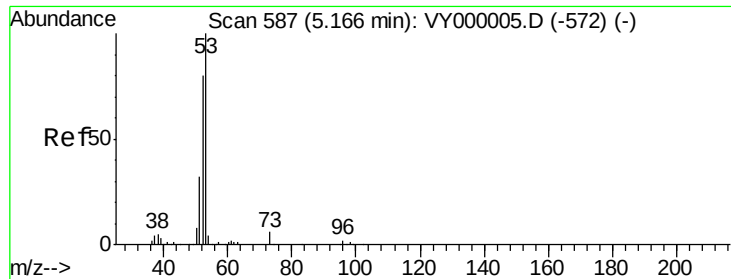
Ion Ratio Lower Upper

41 100

39 65.5 52.4 78.6

76 39.3 33.3 49.9





#15

Acrylonitrile

Concen: 68.127 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

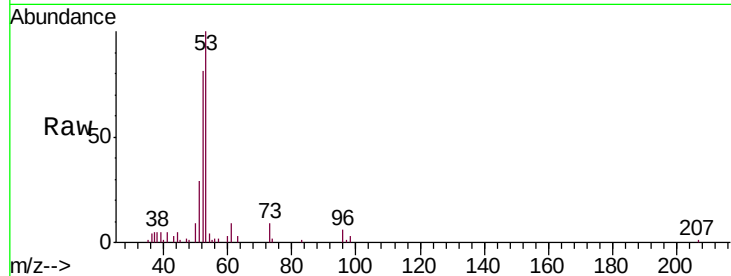
Tgt Ion: 53 Resp: 30033

Ion Ratio Lower Upper

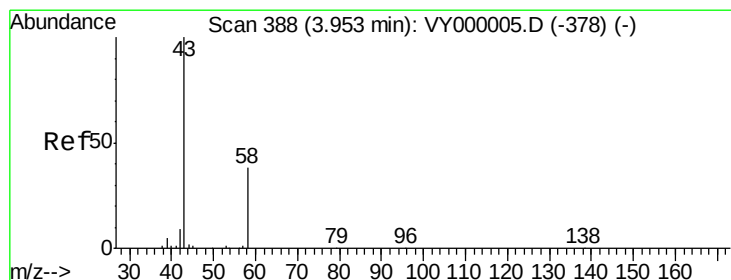
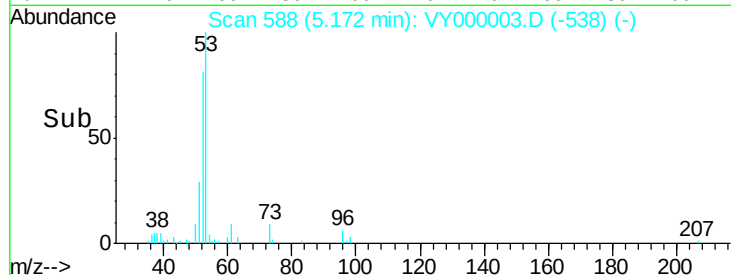
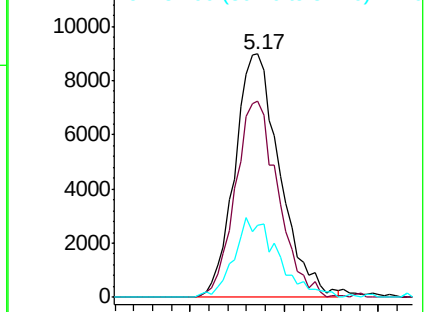
53 100

52 76.6 64.4 96.6

51 31.8 27.1 40.7



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: 50.845 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000003.D

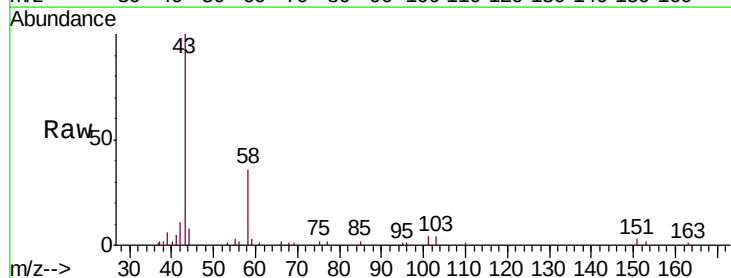
Acq: 11 Sep 2019 16:54

Tgt Ion: 43 Resp: 23313

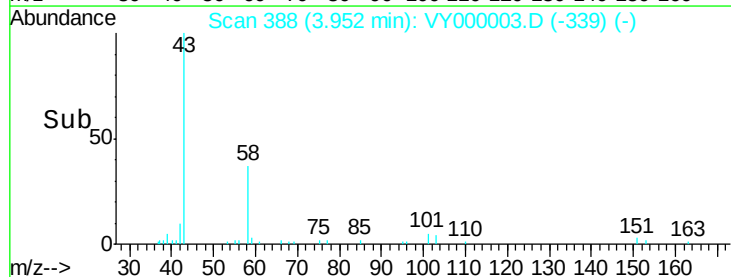
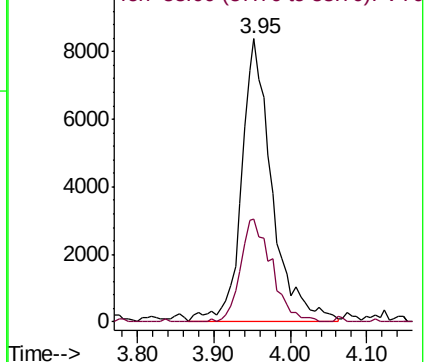
Ion Ratio Lower Upper

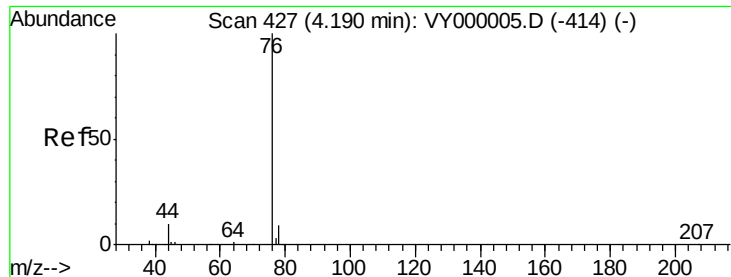
43 100

58 36.1 30.5 45.7



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





#17

Carbon Disulfide

Concen: 10.263 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

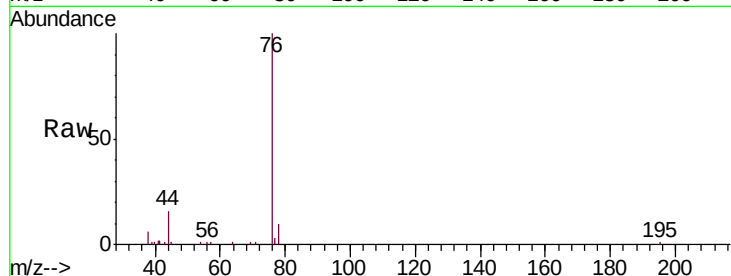
VSTDIC010

Tgt Ion: 76 Resp: 27903

Ion Ratio Lower Upper

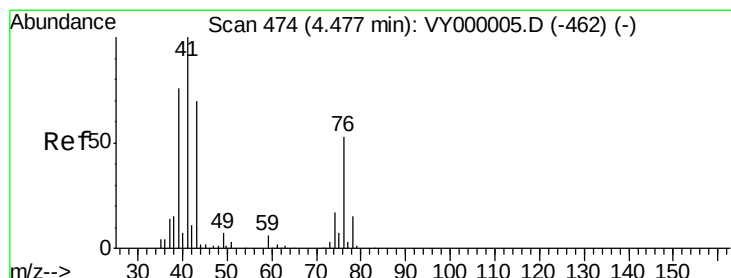
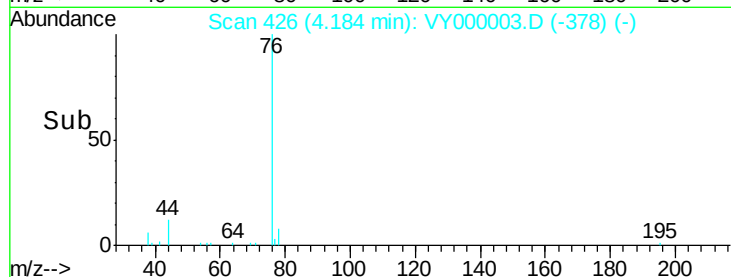
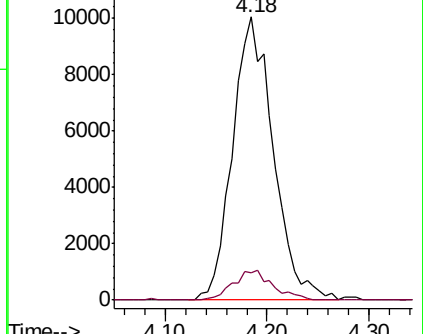
76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 11.480 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000003.D

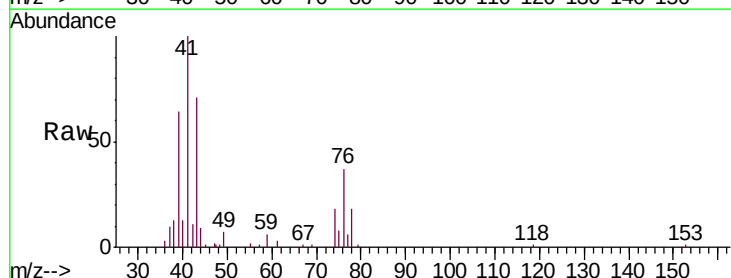
Acq: 11 Sep 2019 16:54

Tgt Ion: 43 Resp: 12900

Ion Ratio Lower Upper

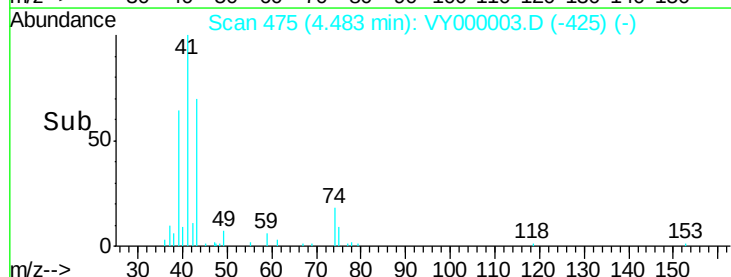
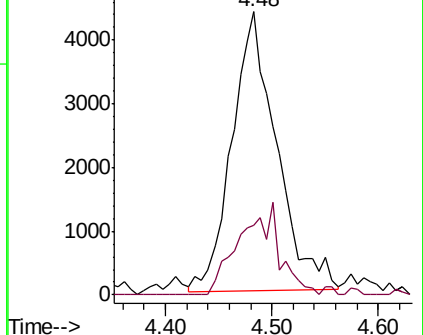
43 100

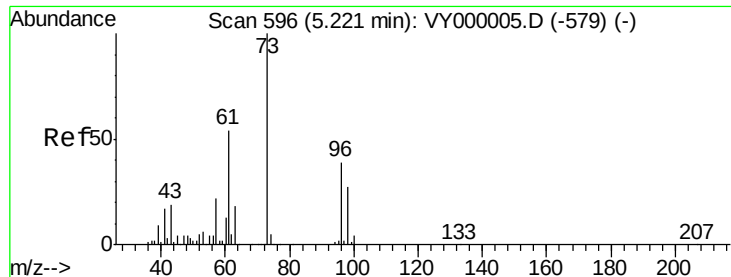
74 29.6 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

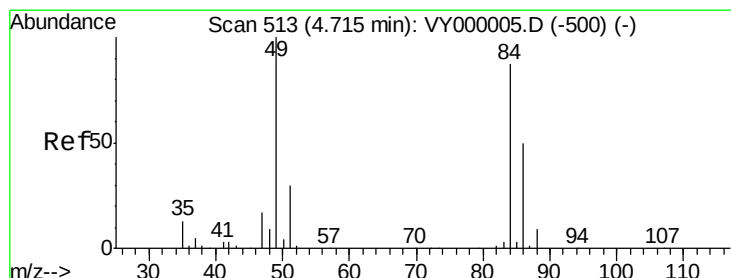
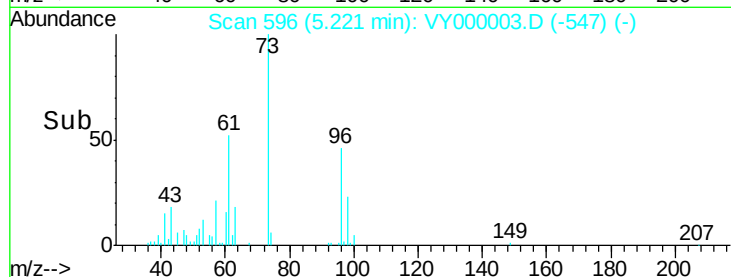
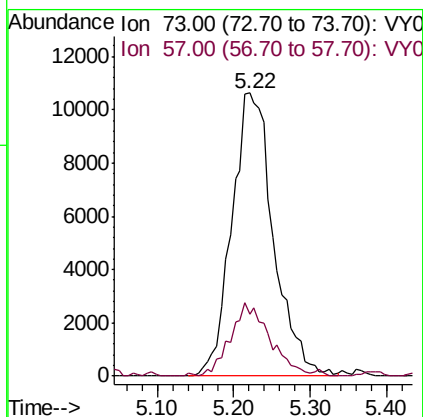
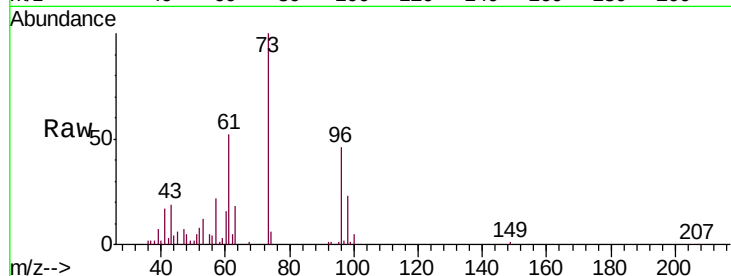




#19
Methyl tert-butyl Ether
Concen: 14.606 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

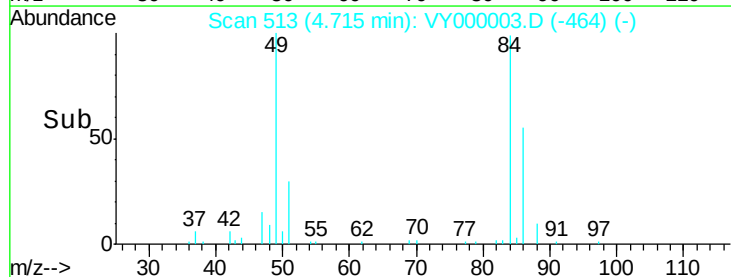
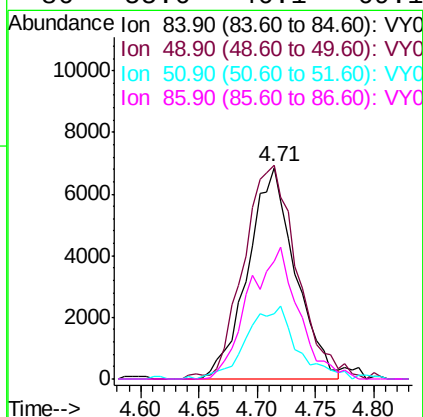
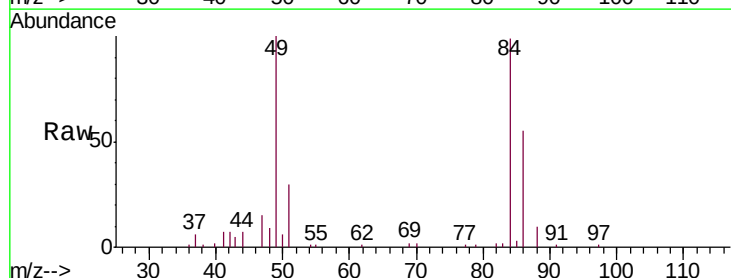
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

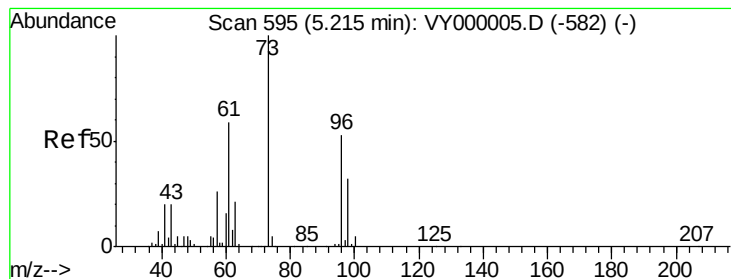
Tgt Ion: 73 Resp: 40182
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.4



#20
Methylene Chloride
Concen: 12.907 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 84 Resp: 19470
Ion Ratio Lower Upper
84 100
49 99.4 91.7 137.5
51 29.6 28.0 42.0
86 55.6 46.1 69.1





#21

trans-1,2-Dichloroethene

Concen: 11.611 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

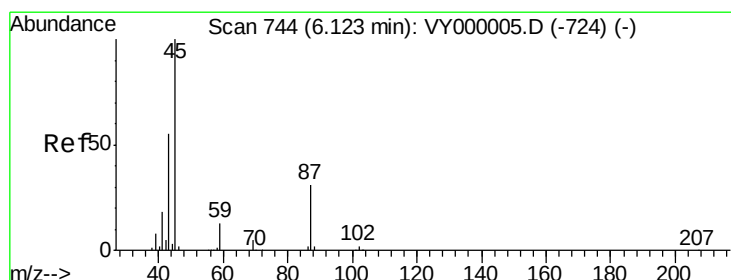
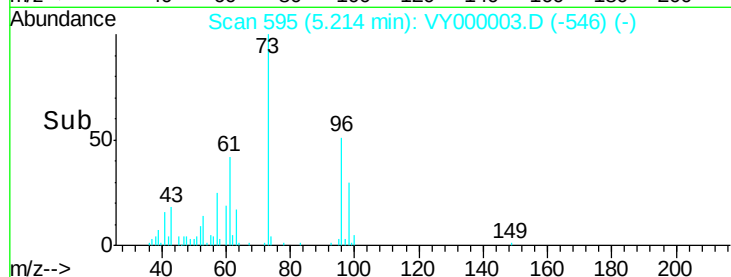
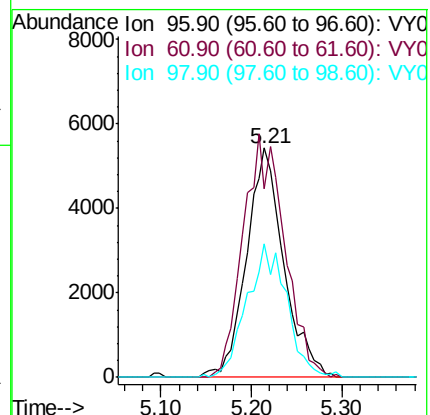
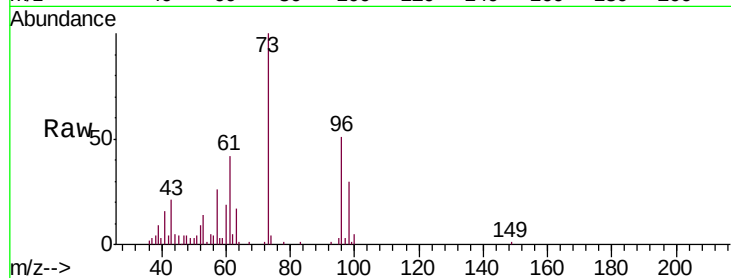
Tgt Ion: 96 Resp: 15410

Ion Ratio Lower Upper

96 100

61 82.4 89.4 134.2#

98 58.4 48.6 73.0



#22

Diisopropyl ether

Concen: 9.309 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Tgt Ion: 45 Resp: 47400

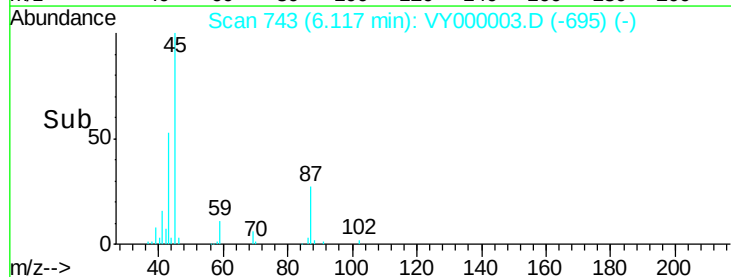
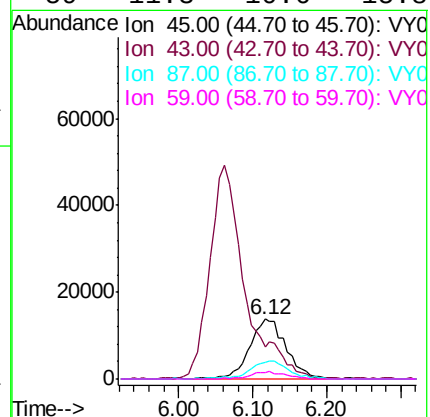
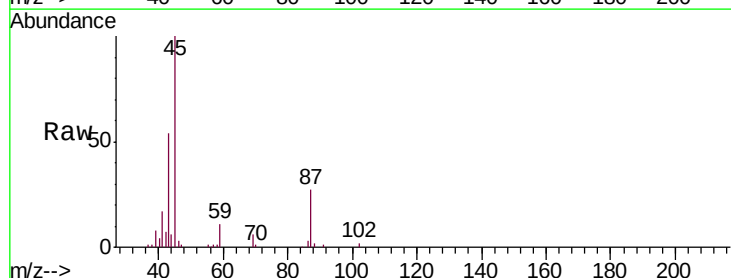
Ion Ratio Lower Upper

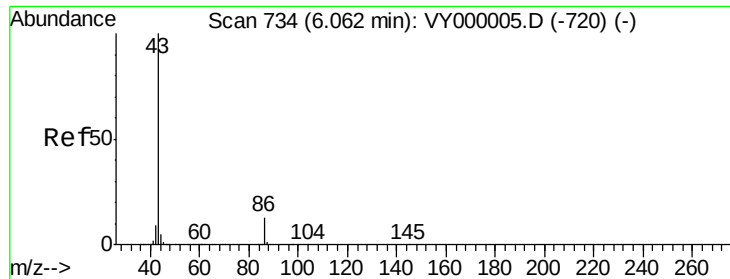
45 100

43 53.5 45.2 67.8

87 26.9 25.3 37.9

59 11.3 10.6 15.8





#23

Vinyl Acetate

Concen: 49.450 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampled :

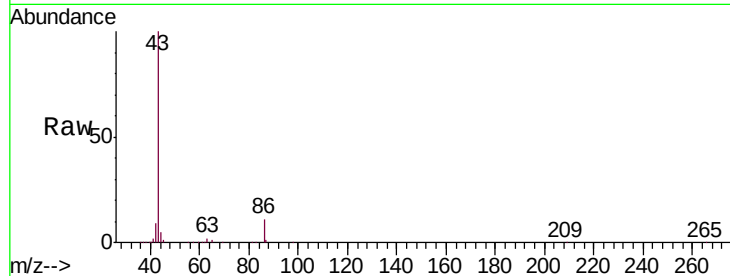
VSTDIC010

Tgt Ion: 43 Resp: 160953

Ion Ratio Lower Upper

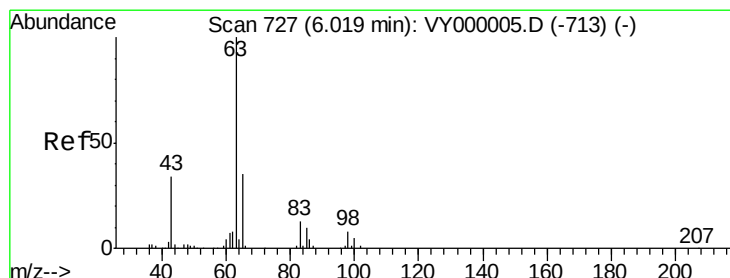
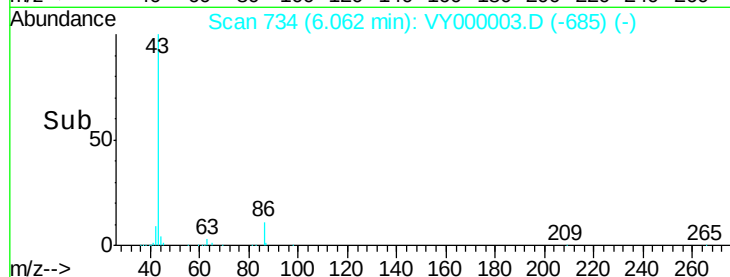
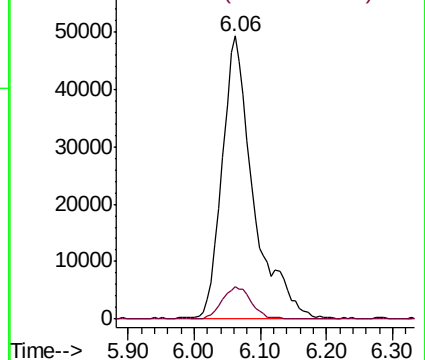
43 100

86 11.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 10.486 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

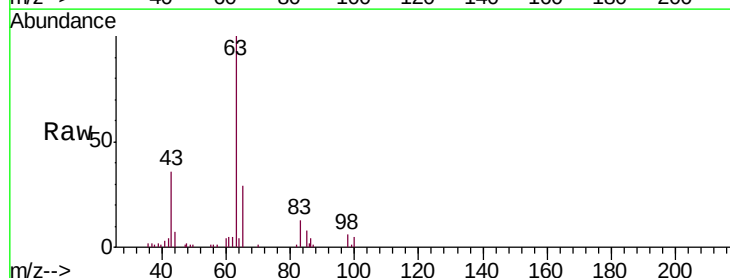
Tgt Ion: 63 Resp: 29196

Ion Ratio Lower Upper

63 100

98 6.2 4.0 12.0

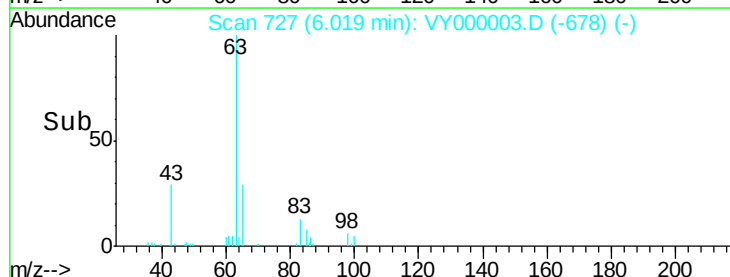
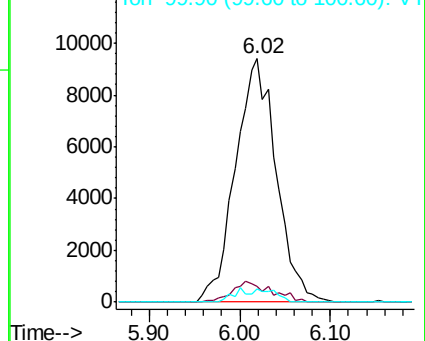
100 5.5 2.5 7.5

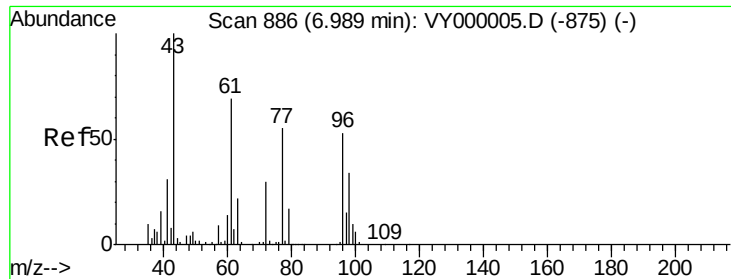


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 57.163 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

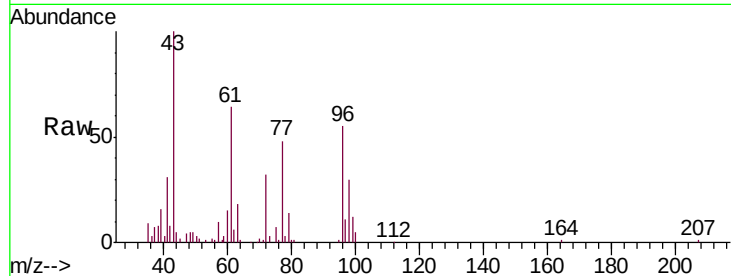
VSTDIC010

Tgt Ion: 43 Resp: 35840

Ion Ratio Lower Upper

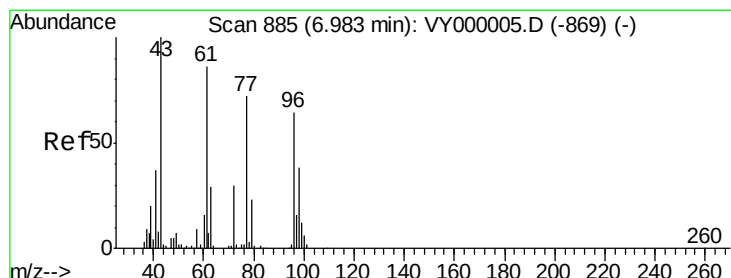
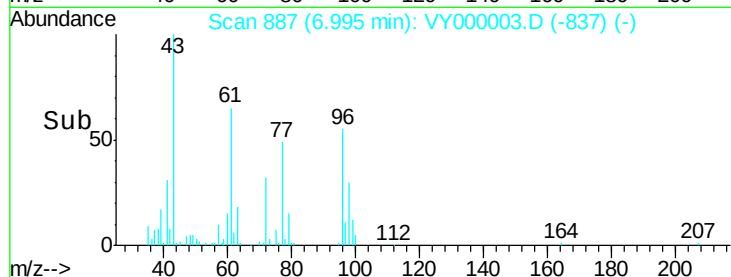
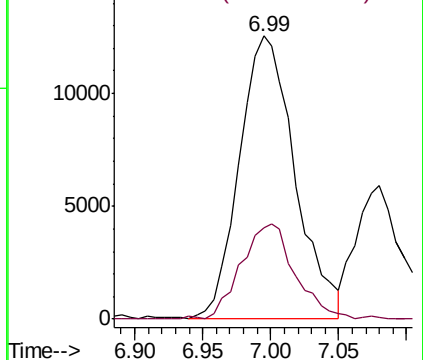
43 100

72 31.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 13.352 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000003.D

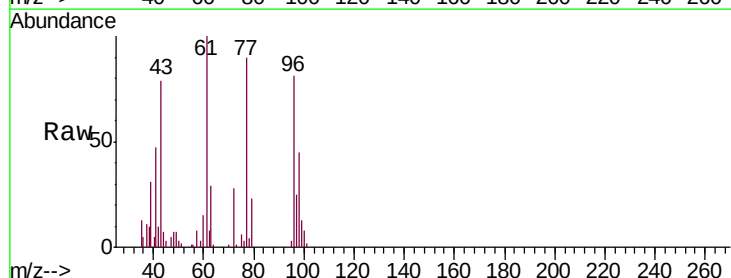
Acq: 11 Sep 2019 16:54

Tgt Ion: 77 Resp: 24826

Ion Ratio Lower Upper

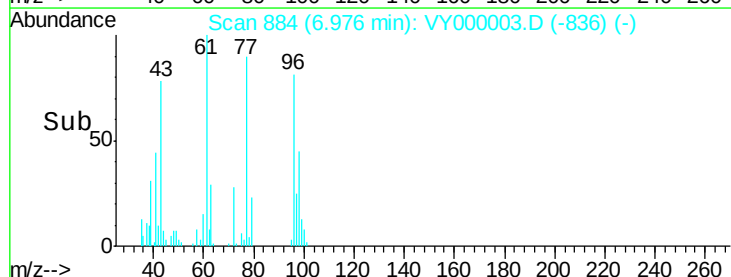
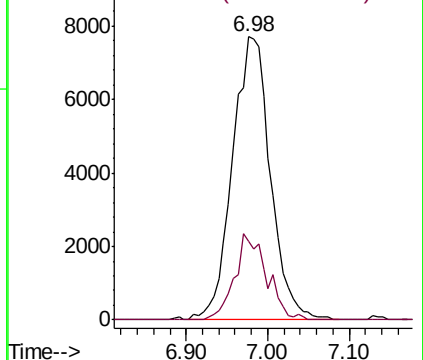
77 100

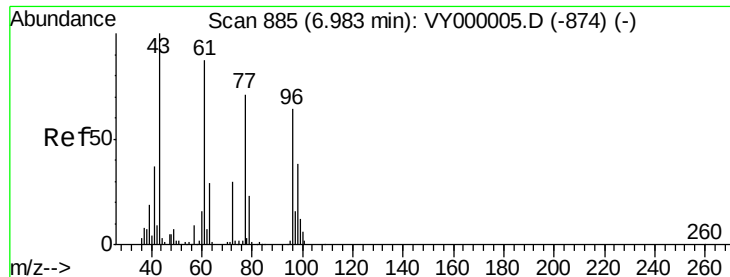
97 25.6 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



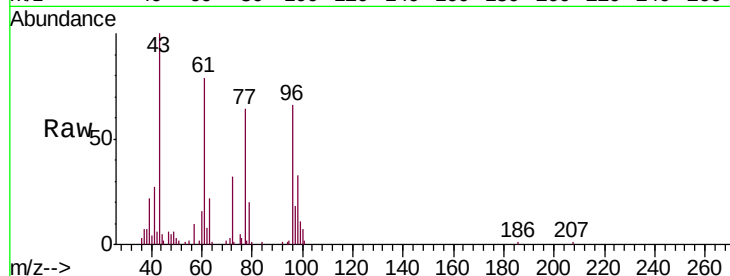


#27

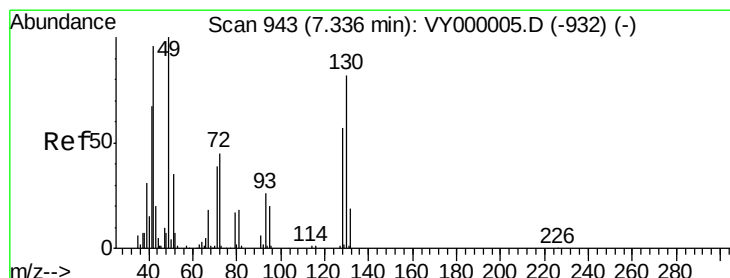
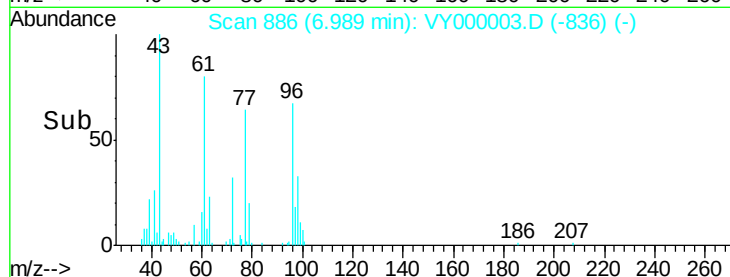
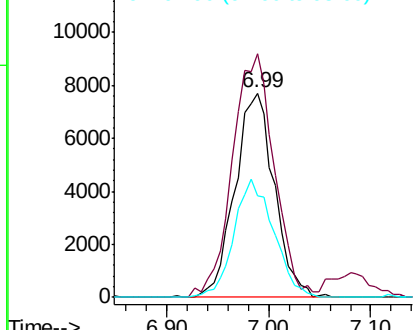
cis-1,2-Dichloroethene
Concen: 13.175 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 20640
Ion Ratio Lower Upper
96 100
61 126.5 0.0 259.0
98 58.3 0.0 129.8



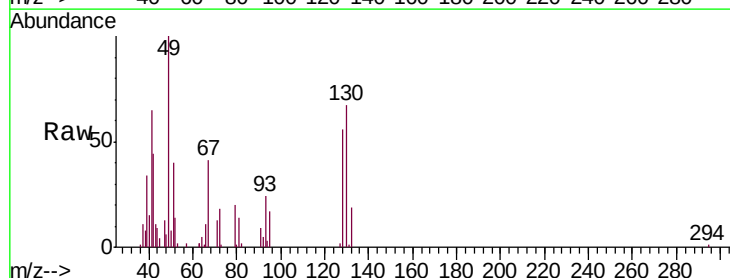
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



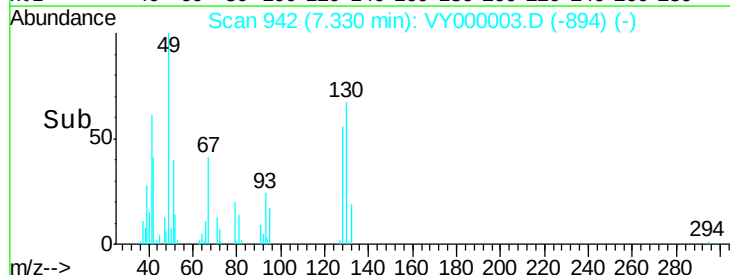
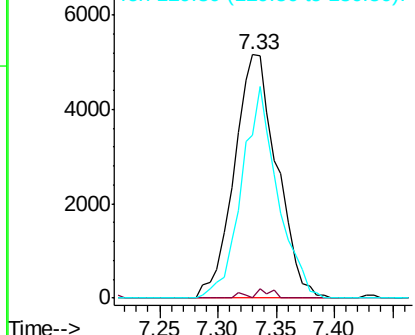
#28

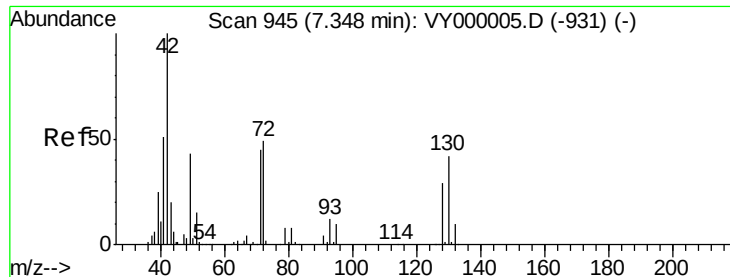
Bromochloromethane
Concen: 10.137 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 49 Resp: 13150
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.6
130 73.3 65.3 97.9



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

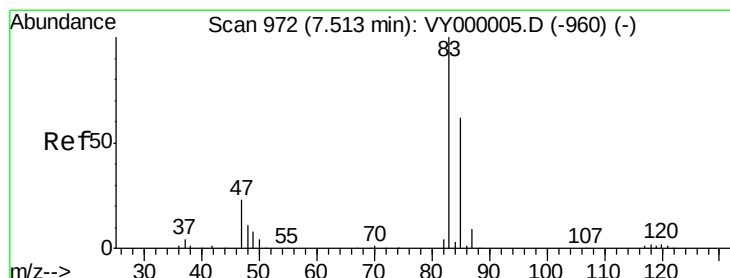
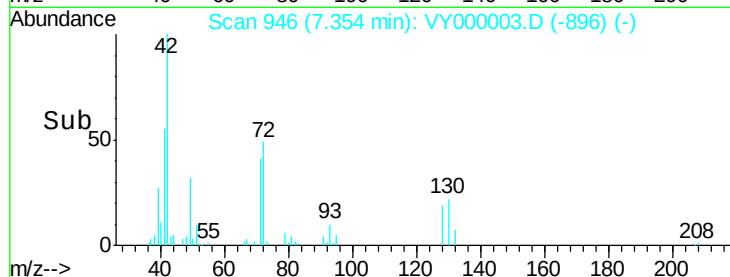
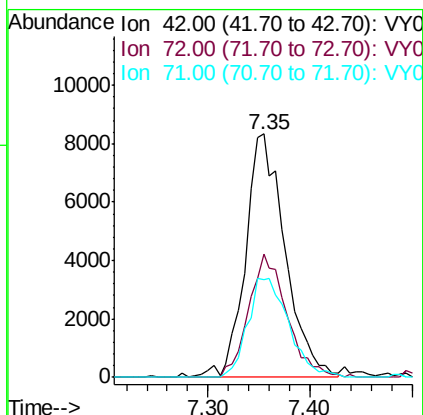
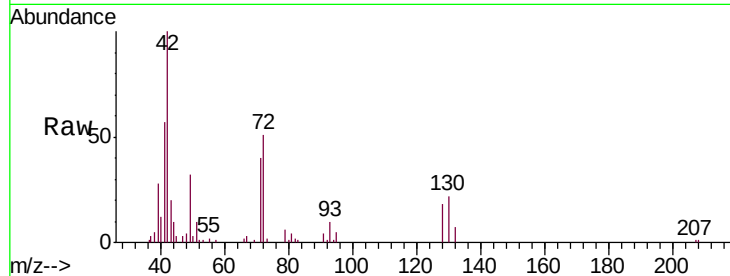




#29
Tetrahydrofuran
Concen: 58.321 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

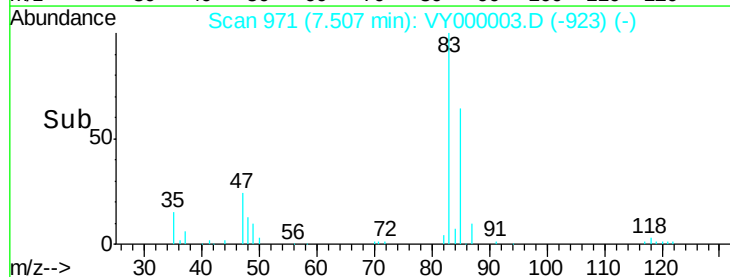
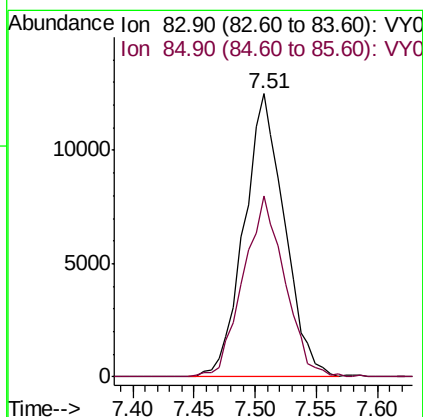
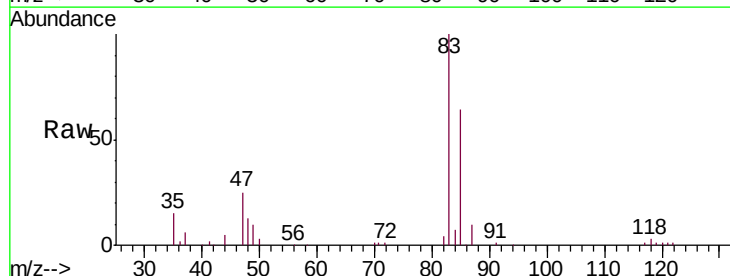
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

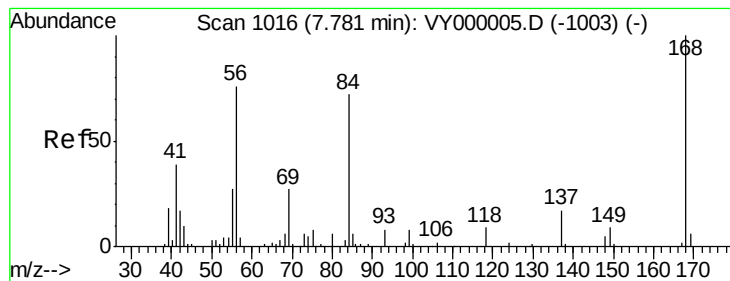
Tgt Ion: 42 Resp: 22466
Ion Ratio Lower Upper
42 100
72 48.7 39.2 58.8
71 42.3 36.4 54.6



#30
Chloroform
Concen: 10.267 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 83 Resp: 28678
Ion Ratio Lower Upper
83 100
85 63.7 49.4 74.0





#31

Cyclohexane

Concen: 9.883 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

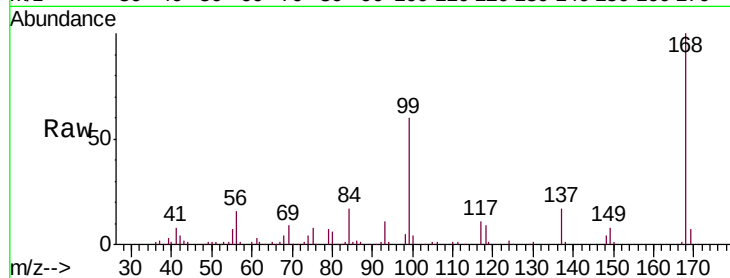
Tgt Ion: 56 Resp: 24723

Ion Ratio Lower Upper

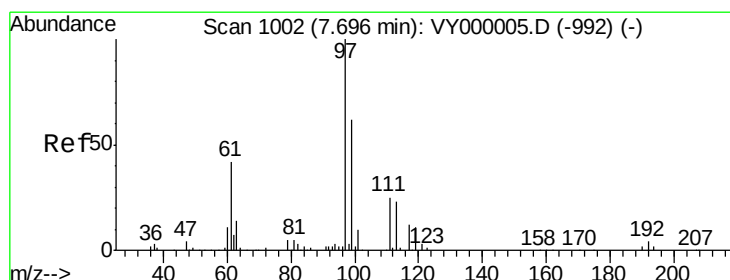
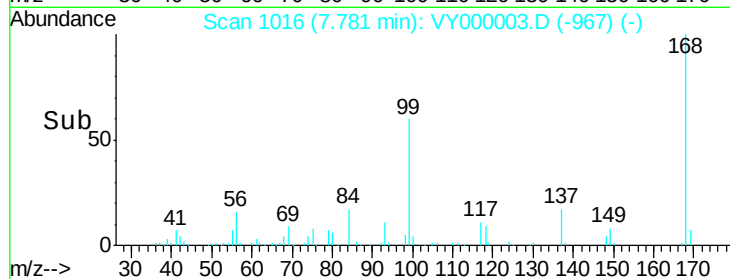
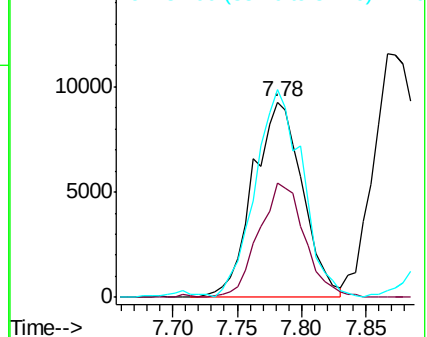
56 100

69 57.6 28.5 42.7#

84 105.0 76.4 114.6



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



#32

1,1,1-Trichloroethane

Concen: 10.309 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

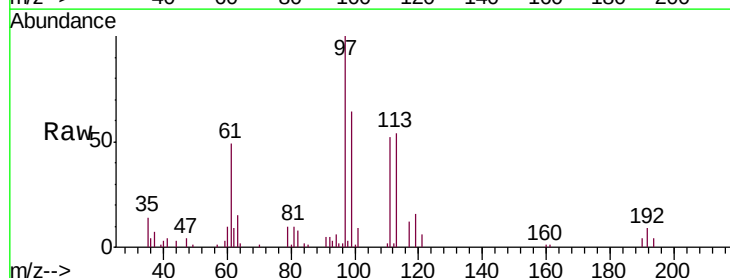
Tgt Ion: 97 Resp: 23333

Ion Ratio Lower Upper

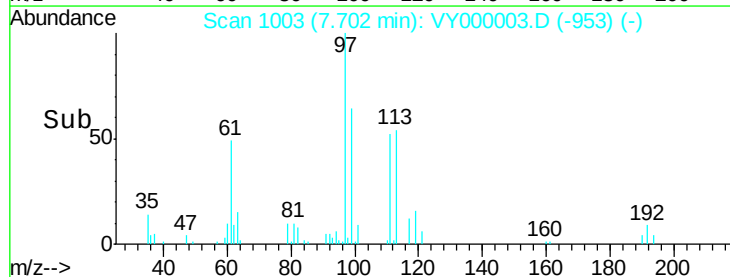
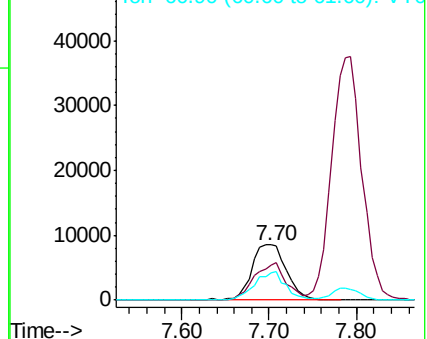
97 100

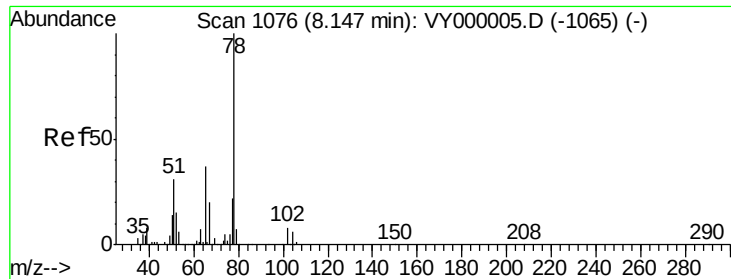
99 62.2 50.3 75.5

61 45.7 35.0 52.4



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

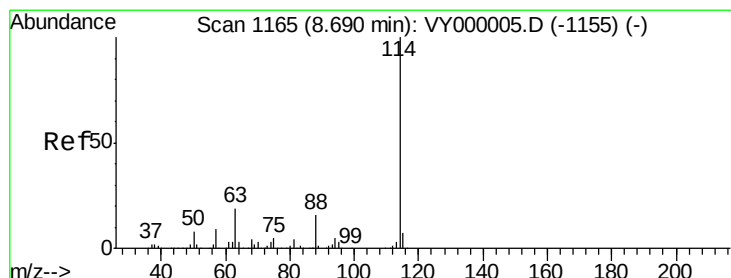
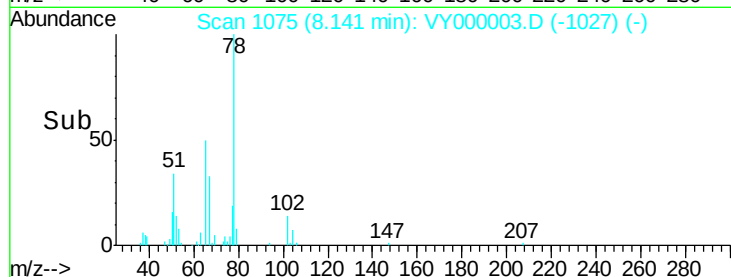
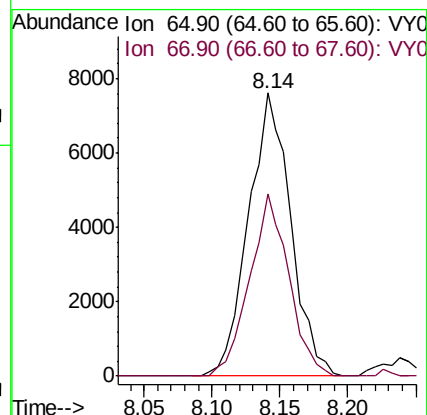
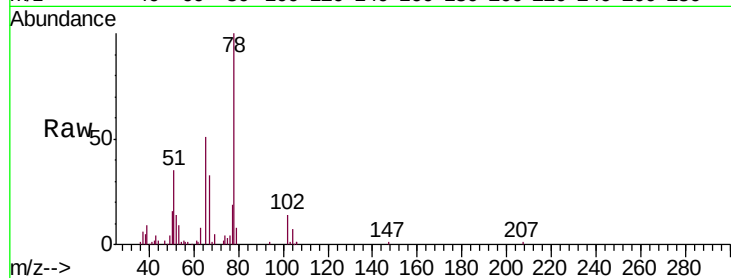




#33
 1,2-Dichloroethane-d4
 Concen: 9.600 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

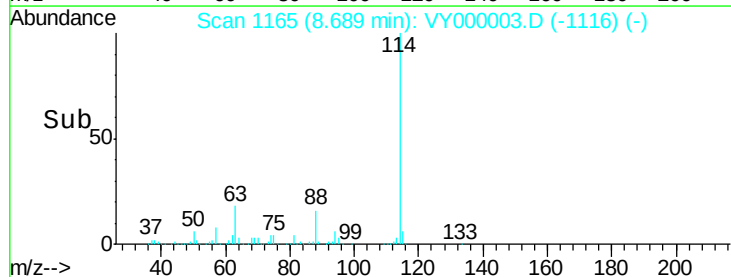
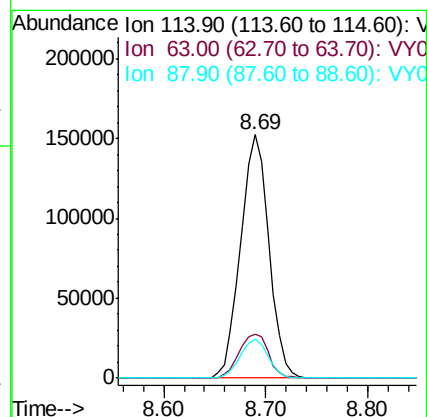
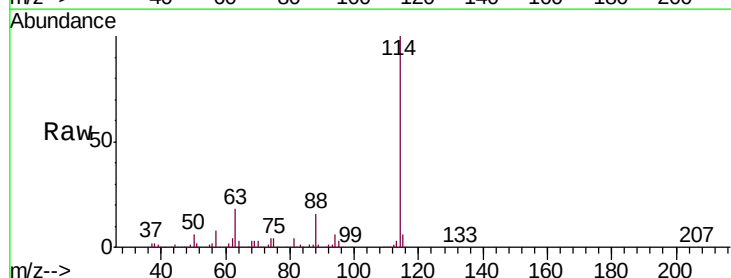
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

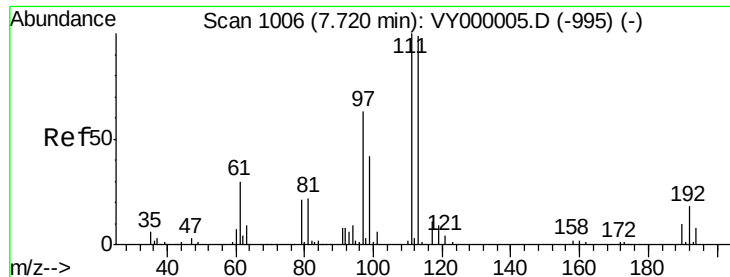
Tgt Ion: 65 Resp: 16505
 Ion Ratio Lower Upper
 65 100
 67 59.7 0.0 111.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 114 Resp: 292218
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.4
 88 15.9 0.0 32.6

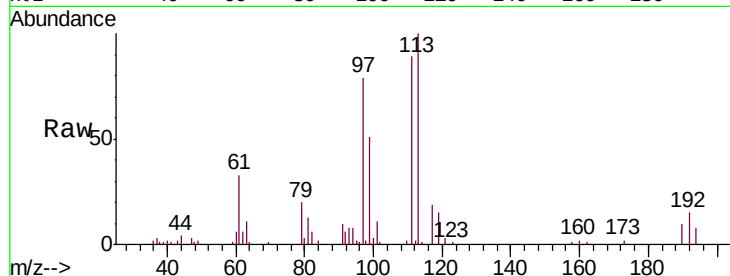




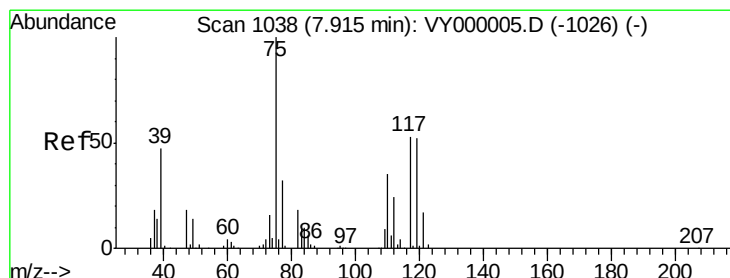
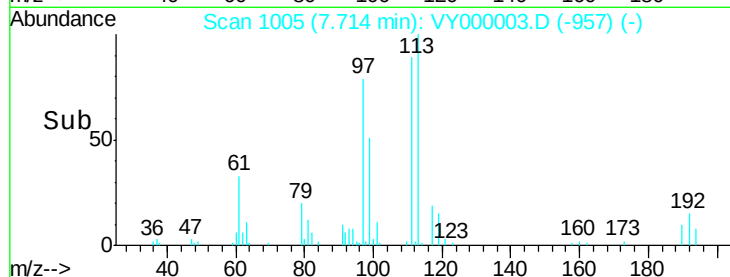
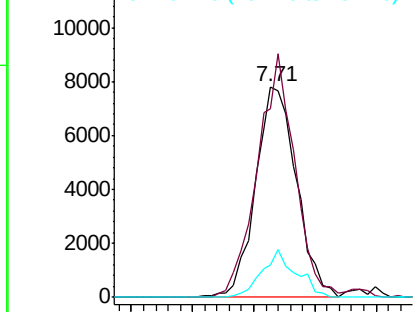
#35
 Dibromofluoromethane
 Concen: 10.562 ug/l
 RT: 7.71 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tgt Ion: 113 Resp: 18201
 Ion Ratio Lower Upper
 113 100
 111 105.7 81.6 122.4
 192 18.9 15.2 22.8

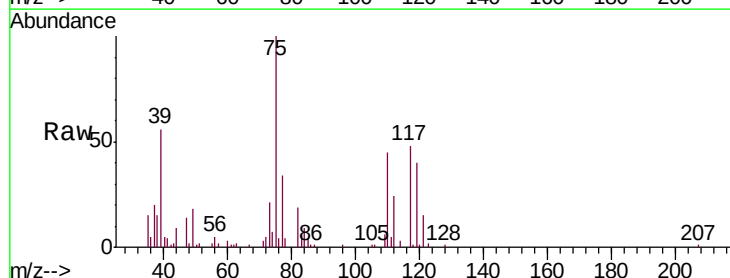


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

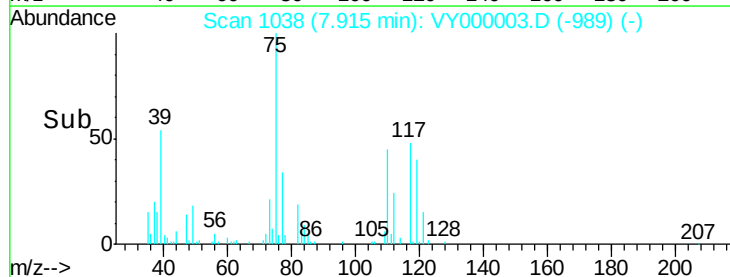
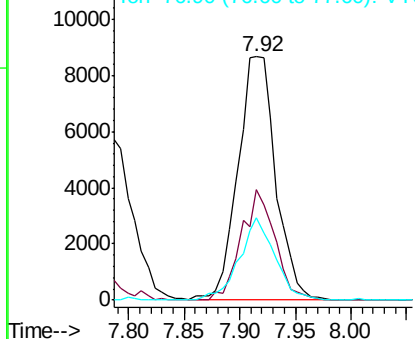


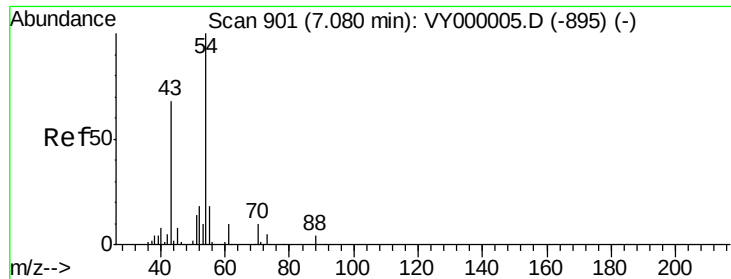
#36
 1,1-Dichloropropene
 Concen: 8.279 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 75 Resp: 20487
 Ion Ratio Lower Upper
 75 100
 110 40.3 18.7 56.1
 77 31.9 25.6 38.4



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

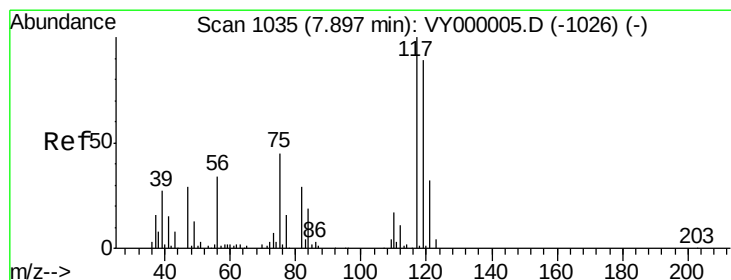
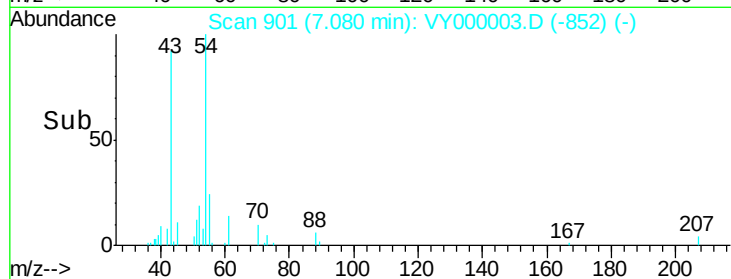
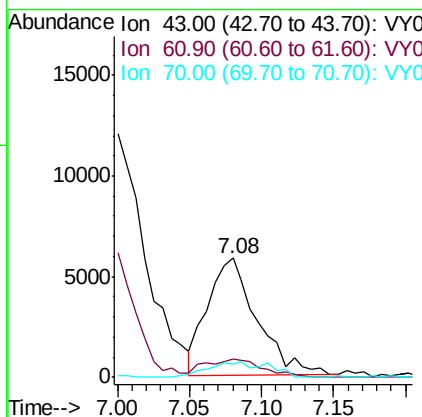
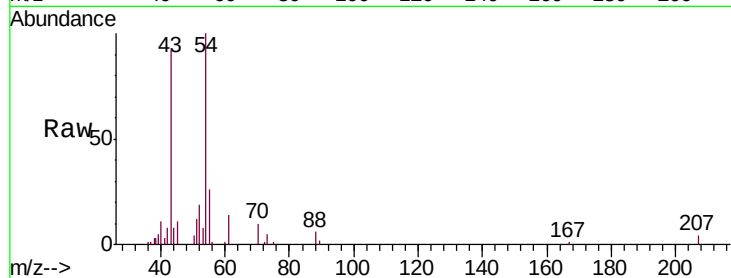




#37
Ethyl Acetate
 Concen: 8.703 ug/l
 RT: 7.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

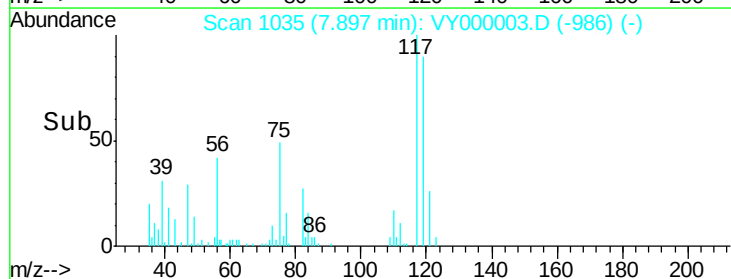
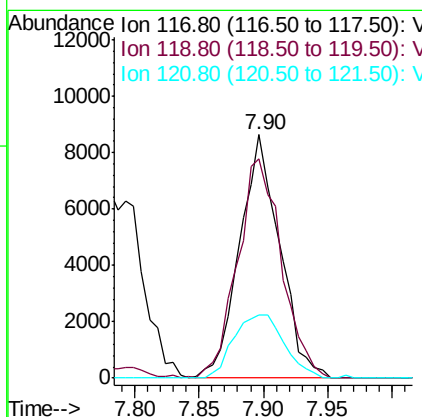
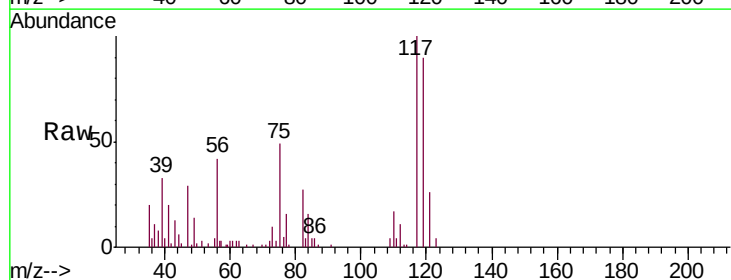
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

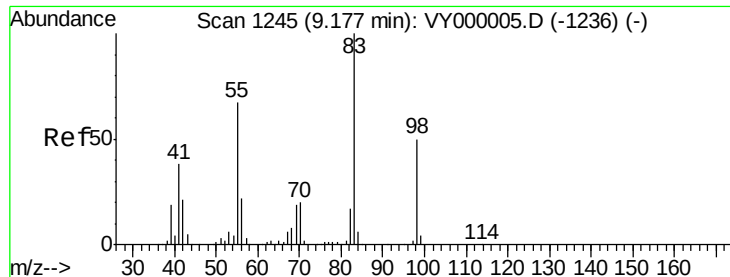
Tgt Ion: 43 Resp: 13865
 Ion Ratio Lower Upper
 43 100
 61 18.7 13.0 19.4
 70 12.7 11.0 16.4



#38
Carbon Tetrachloride
 Concen: 7.685 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 117 Resp: 18679
 Ion Ratio Lower Upper
 117 100
 119 90.2 71.5 107.3
 121 26.0 25.3 37.9

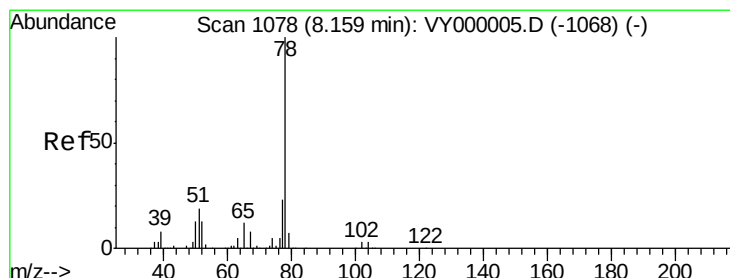
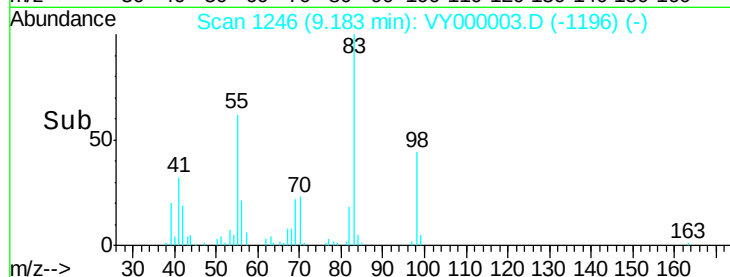
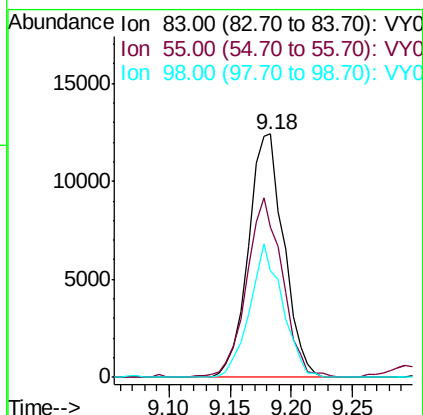
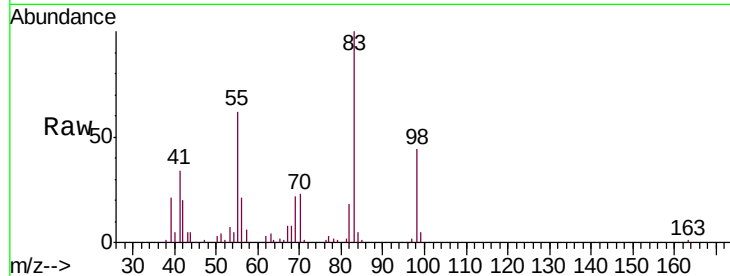




#39
Methylcyclohexane
Concen: 8.890 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

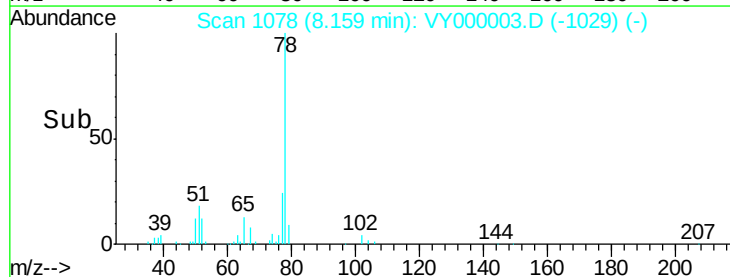
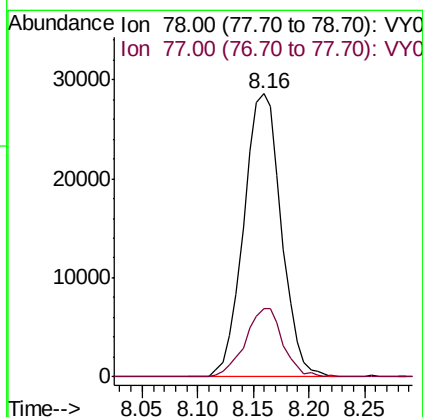
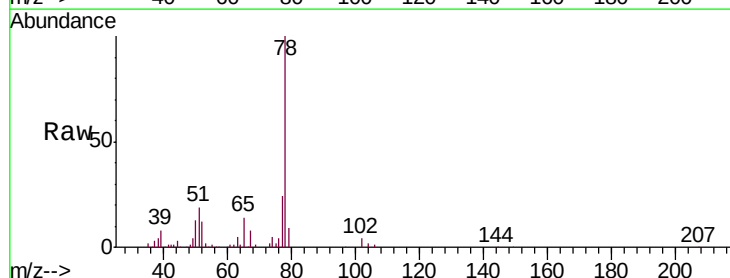
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

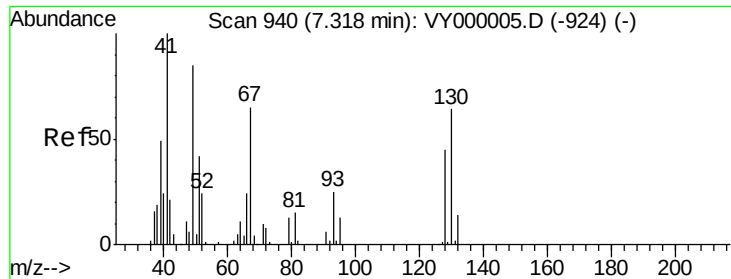
Tgt Ion: 83 Resp: 25162
Ion Ratio Lower Upper
83 100
55 61.7 53.8 80.6
98 43.9 40.0 60.0



#40
Benzene
Concen: 9.512 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 78 Resp: 67002
Ion Ratio Lower Upper
78 100
77 24.1 18.0 27.0





#41

Methacrylonitrile

Concen: 9.762 ug/l

RT: 7.31 min Scan# 939

Delta R.T. -0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 9113

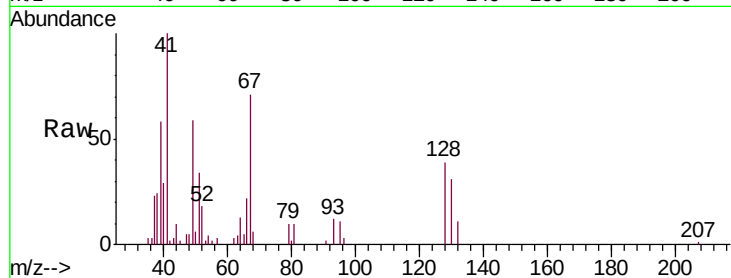
Ion Ratio Lower Upper

41 100

39 59.4 48.4 72.6

67 80.4 76.3 114.5

52 28.1 29.0 43.6#

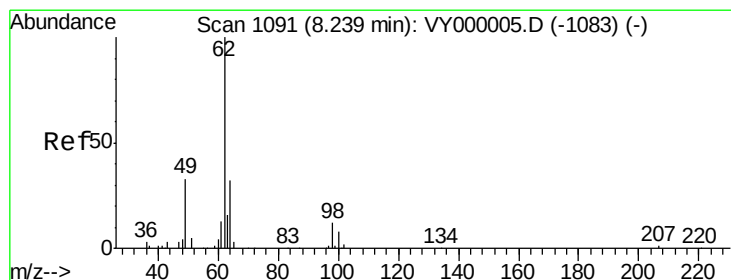
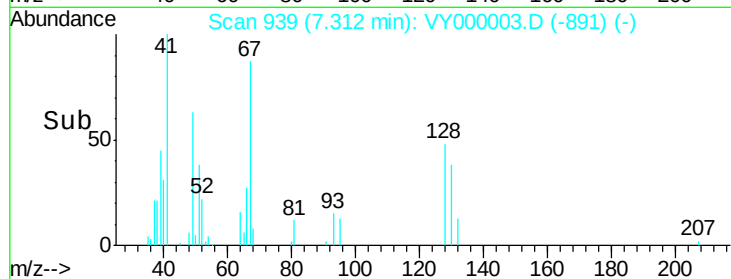
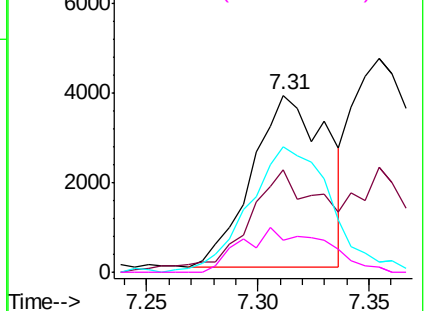


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 7.568 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VY000003.D

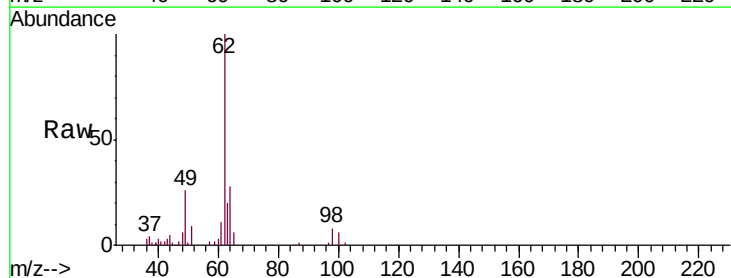
Acq: 11 Sep 2019 16:54

Tgt Ion: 62 Resp: 17953

Ion Ratio Lower Upper

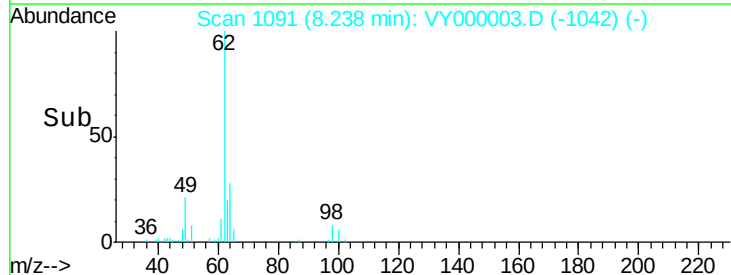
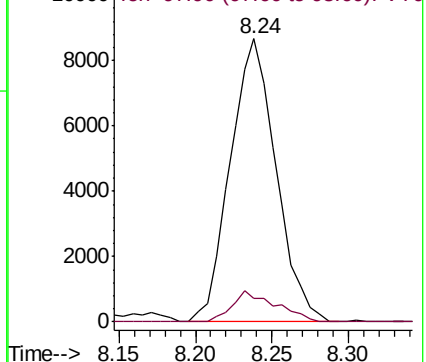
62 100

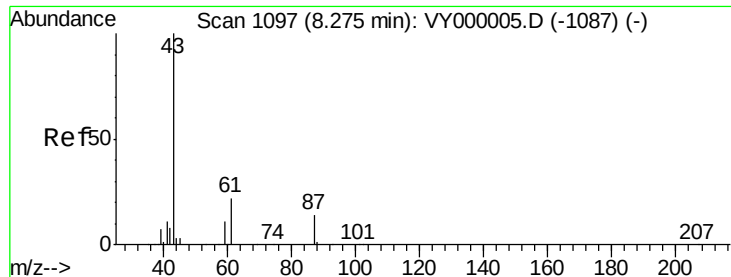
98 10.4 0.0 24.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 9.006 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

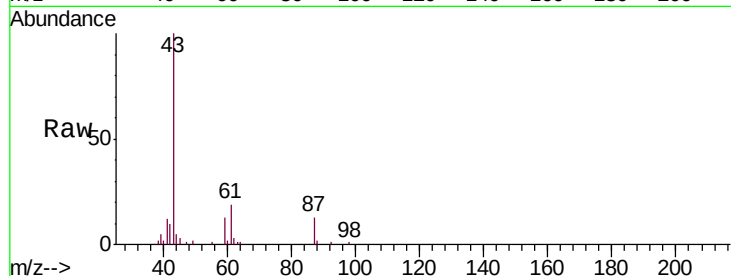
Tgt Ion: 43 Resp: 27132

Ion Ratio Lower Upper

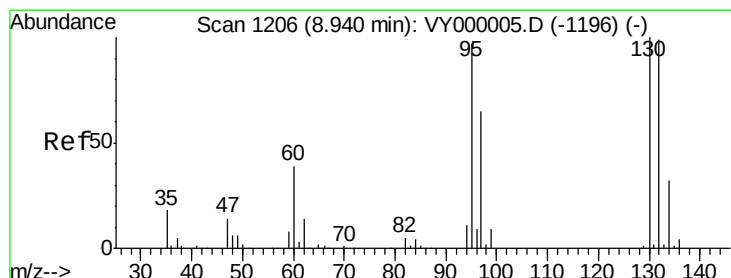
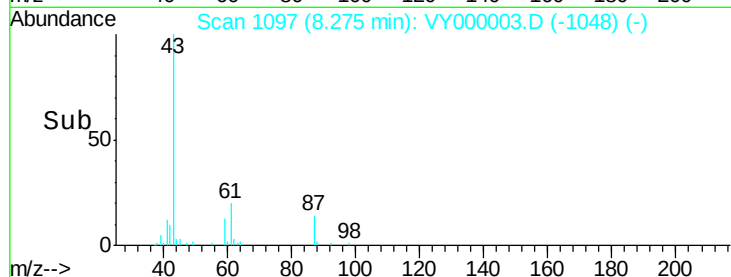
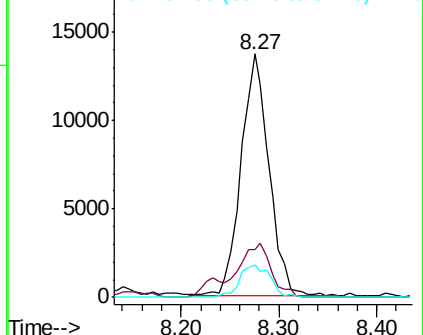
43 100

61 24.3 25.2 37.8#

87 14.8 12.6 18.8



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



#44

Trichloroethene

Concen: 9.159 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000003.D

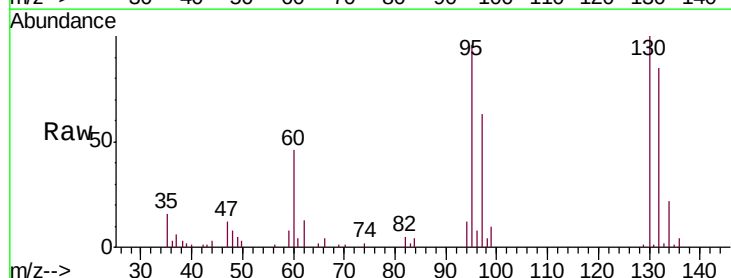
Acq: 11 Sep 2019 16:54

Tgt Ion: 130 Resp: 16662

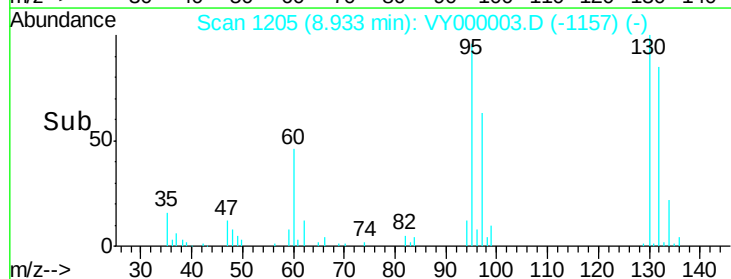
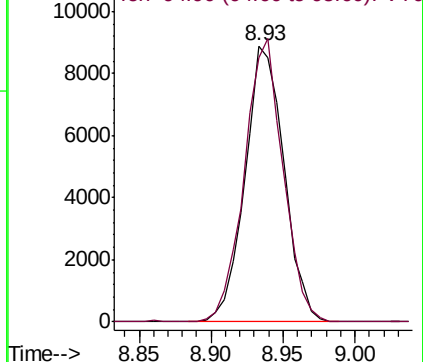
Ion Ratio Lower Upper

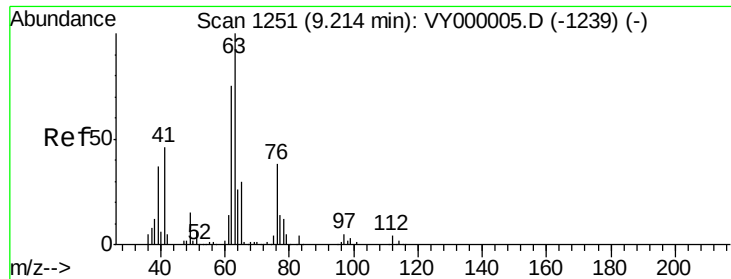
130 100

95 95.7 0.0 194.2



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

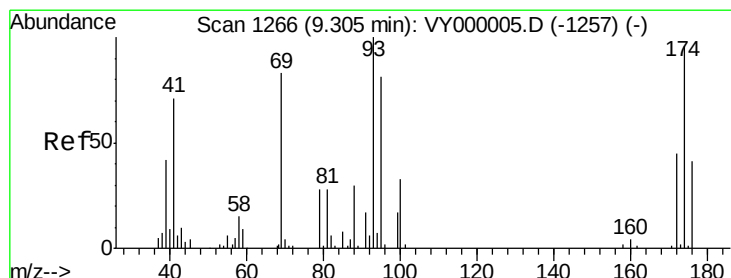
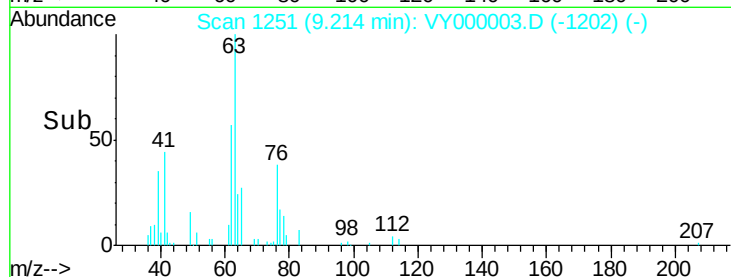
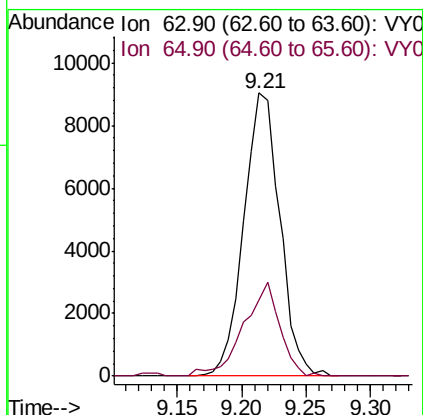
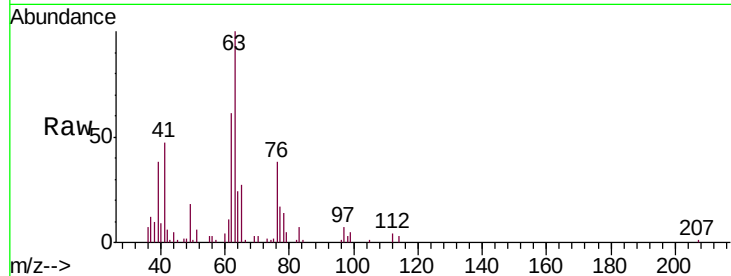




#45
 1,2-Dichloropropane
 Concen: 9.031 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

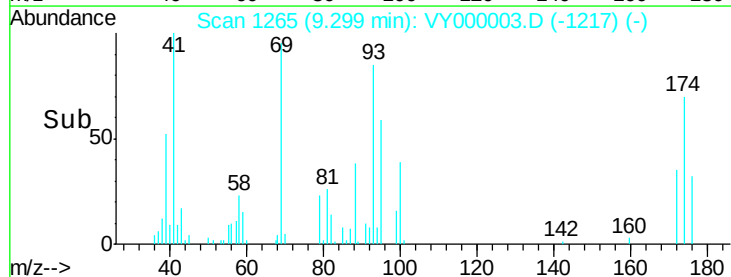
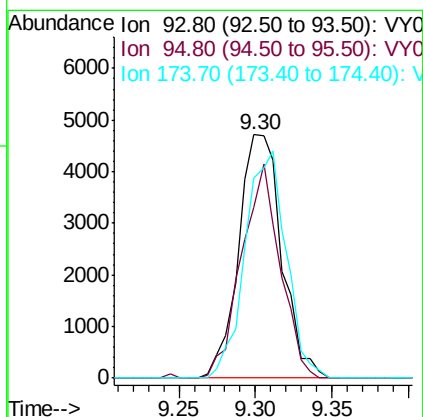
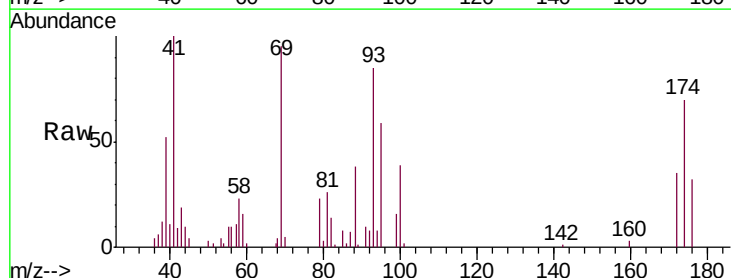
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

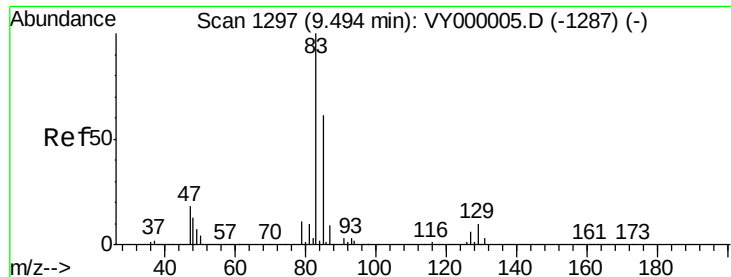
Tgt Ion: 63 Resp: 17510
 Ion Ratio Lower Upper
 63 100
 65 26.7 24.3 36.5



#46
 Dibromomethane
 Concen: 9.909 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 93 Resp: 9246
 Ion Ratio Lower Upper
 93 100
 95 78.7 68.1 102.1
 174 88.8 72.8 109.2





#47

Bromodichloromethane

Concen: 8.688 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

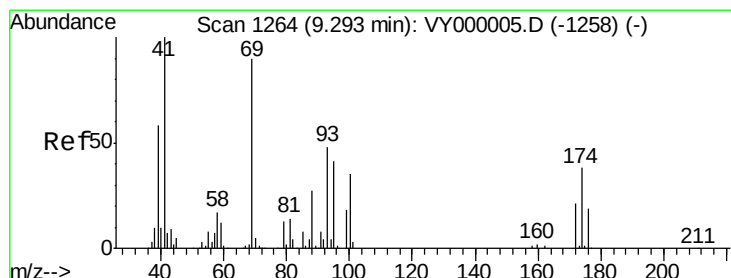
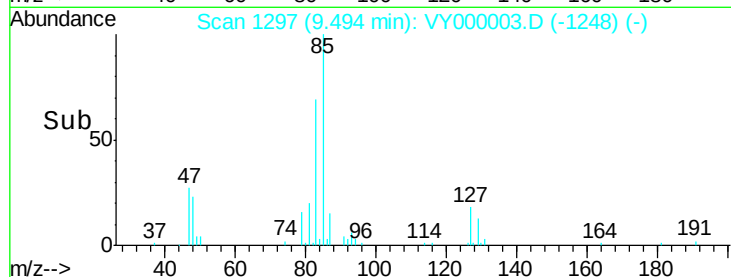
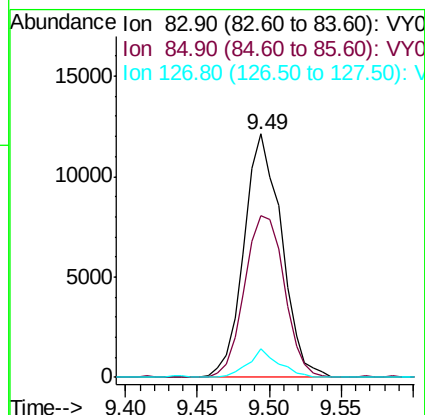
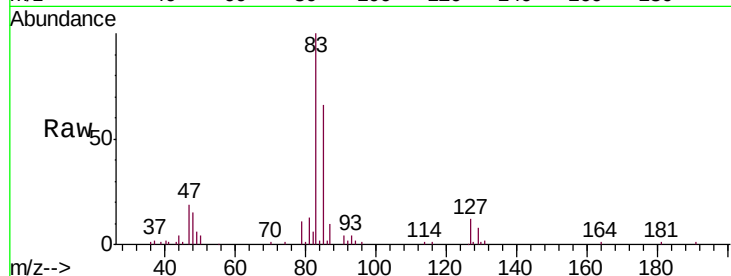
Tgt Ion: 83 Resp: 21861

Ion Ratio Lower Upper

83 100

85 66.3 49.2 73.8

127 11.9 5.0 7.6#



#48

Methyl methacrylate

Concen: 7.908 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

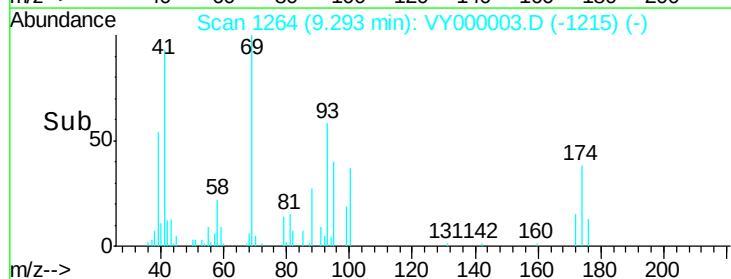
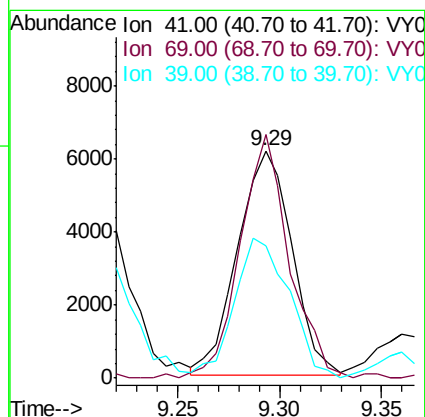
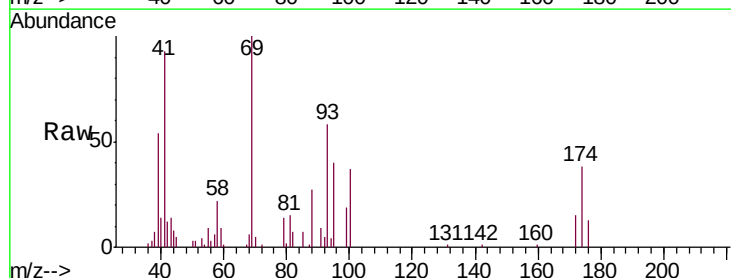
Tgt Ion: 41 Resp: 11362

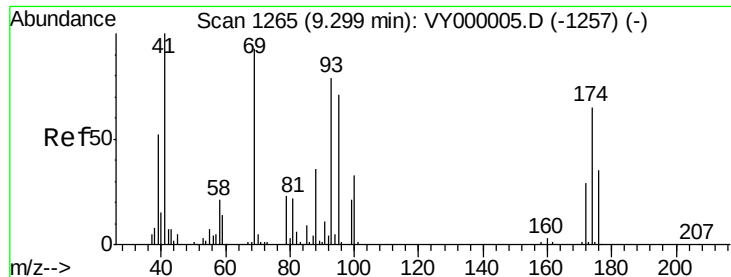
Ion Ratio Lower Upper

41 100

69 98.2 77.4 116.2

39 62.9 47.4 71.2





#49

1,4-Dioxane

Concen: 208.449 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

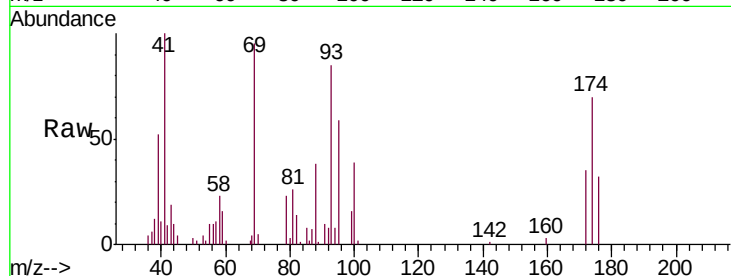
Tgt Ion: 88 Resp: 3942

Ion Ratio Lower Upper

88 100

43 41.1 23.4 35.2#

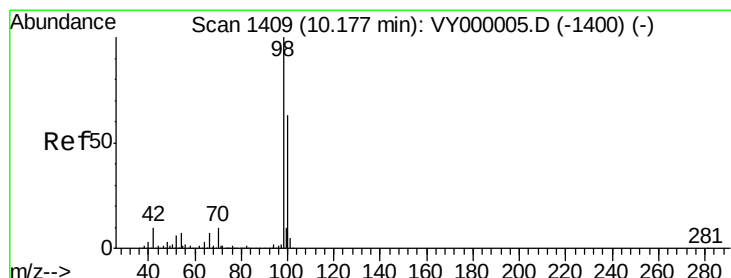
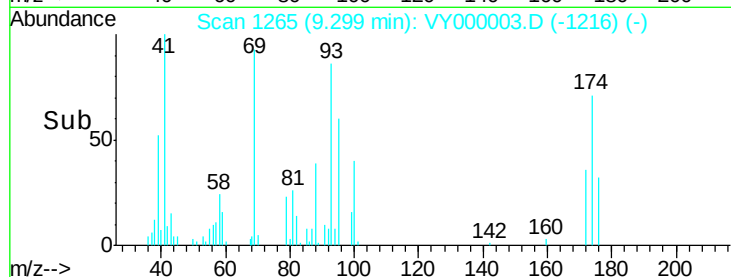
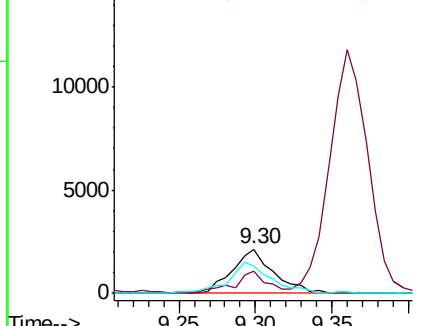
58 71.9 46.1 69.1#



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: 9.887 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000003.D

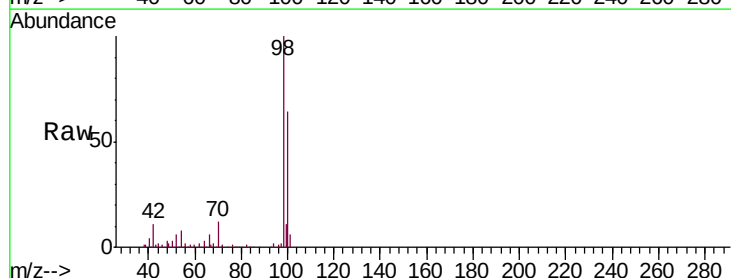
Acq: 11 Sep 2019 16:54

Tgt Ion: 98 Resp: 67622

Ion Ratio Lower Upper

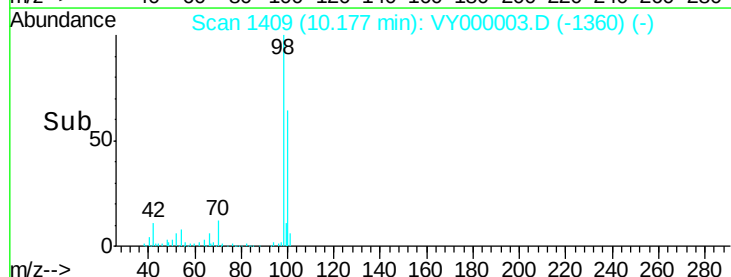
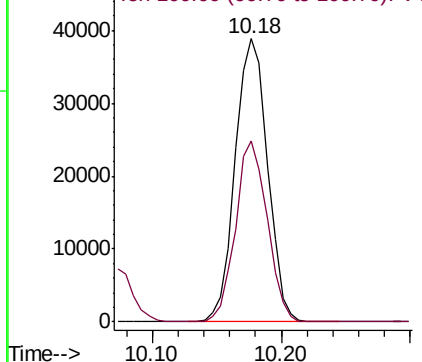
98 100

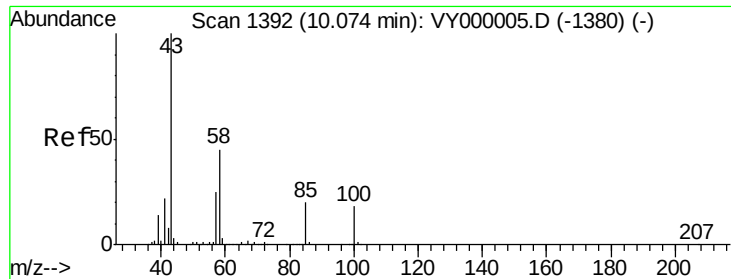
100 62.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 46.352 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

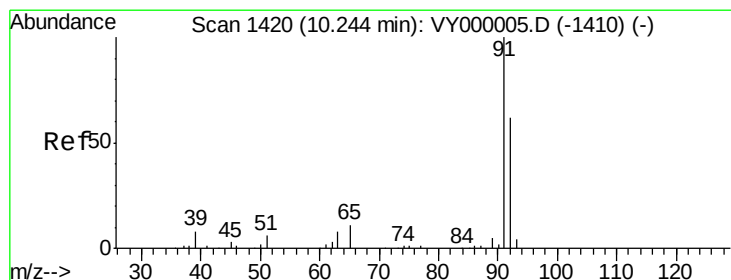
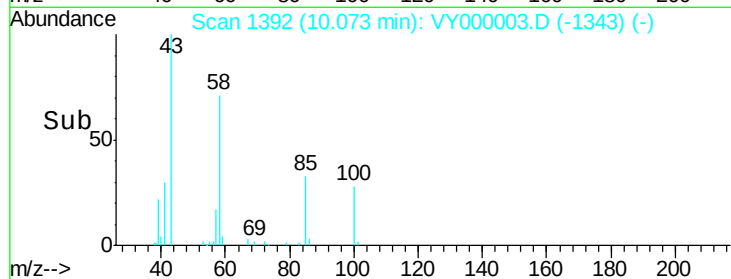
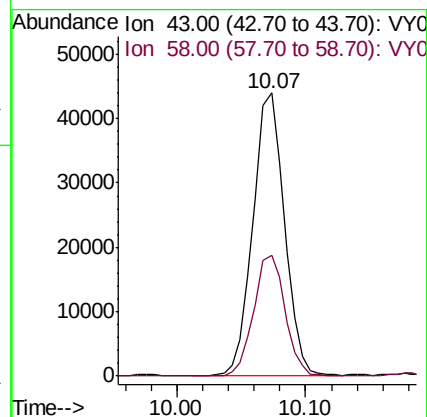
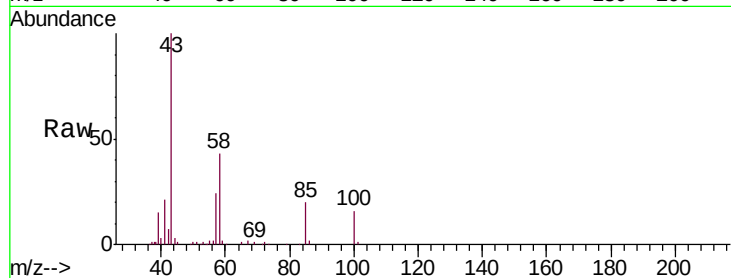
VSTDIC010

Tgt Ion: 43 Resp: 73971

Ion Ratio Lower Upper

43 100

58 42.6 34.1 51.1



#52

Toluene

Concen: 9.780 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VY000003.D

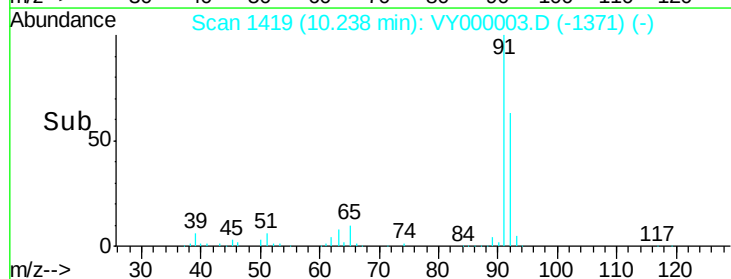
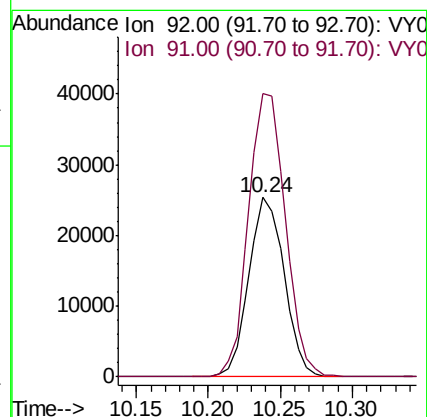
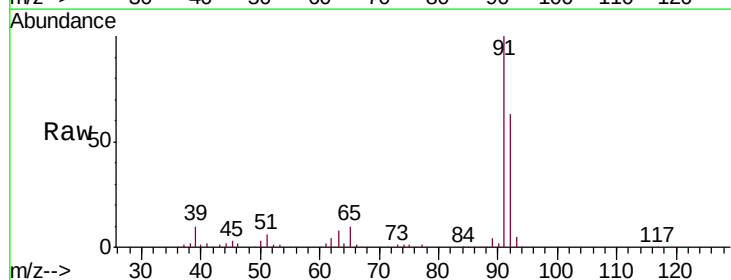
Acq: 11 Sep 2019 16:54

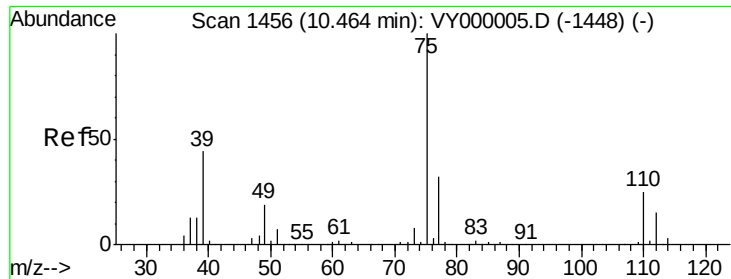
Tgt Ion: 92 Resp: 43080

Ion Ratio Lower Upper

92 100

91 165.0 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 8.916 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

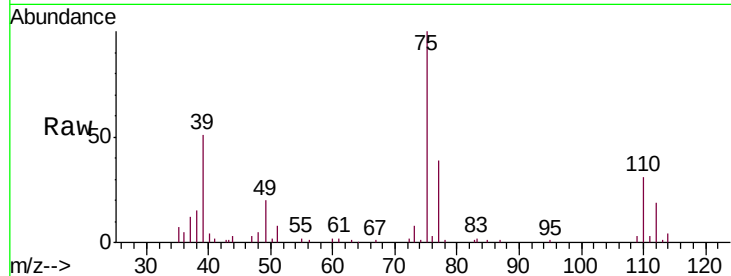
VSTDIC010

Tgt Ion: 75 Resp: 23201

Ion Ratio Lower Upper

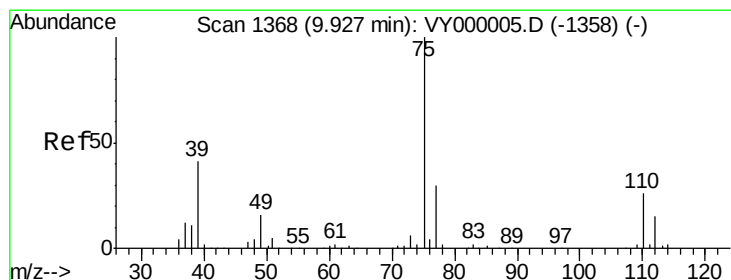
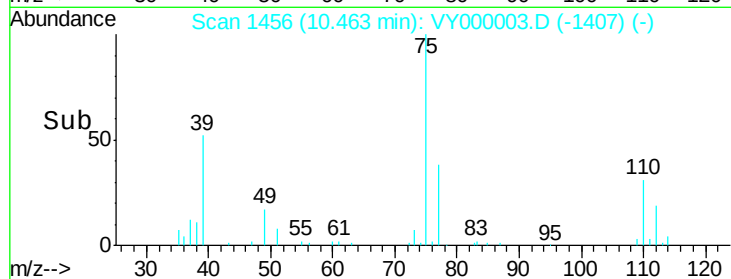
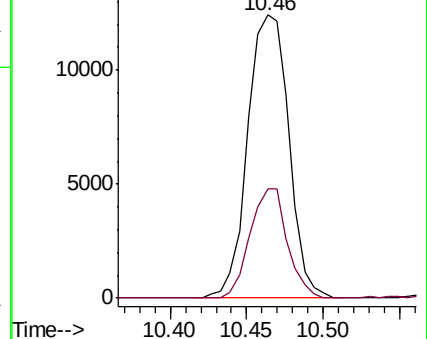
75 100

77 38.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 9.317 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

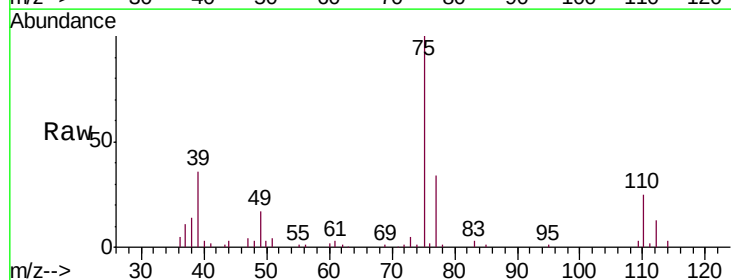
Tgt Ion: 75 Resp: 27496

Ion Ratio Lower Upper

75 100

77 33.8 24.1 36.1

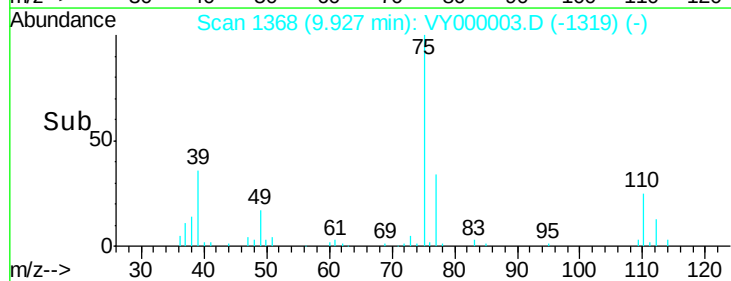
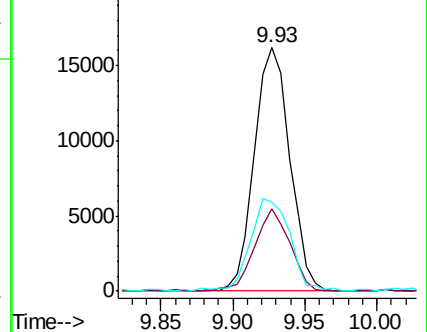
39 36.5 33.0 49.4

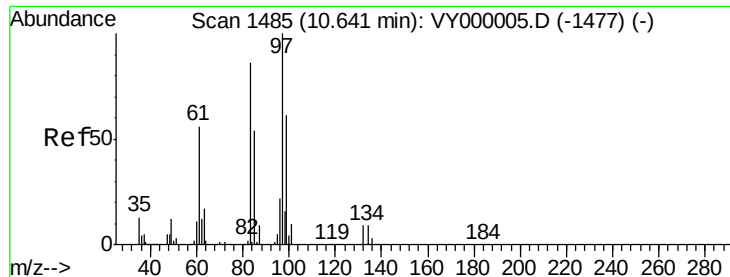


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 10.367 ug/l

RT: 10.64 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 14600

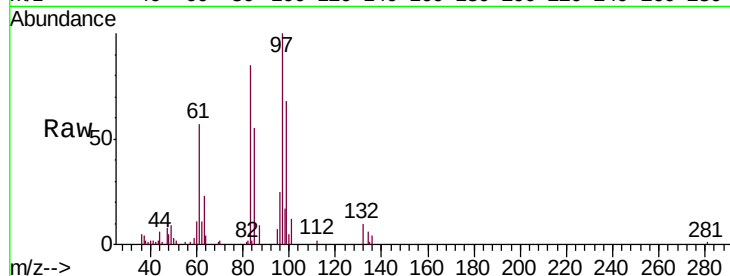
Ion Ratio Lower Upper

97 100

83 84.8 68.4 102.6

85 55.4 43.0 64.6

99 67.6 48.8 73.2

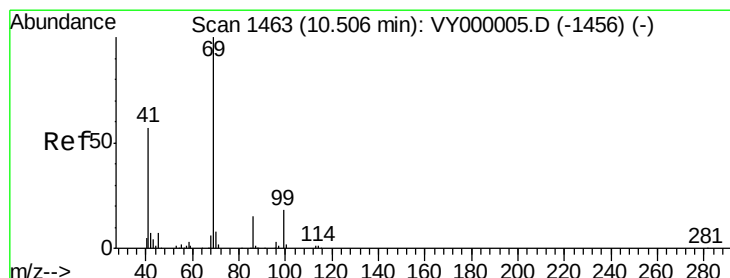
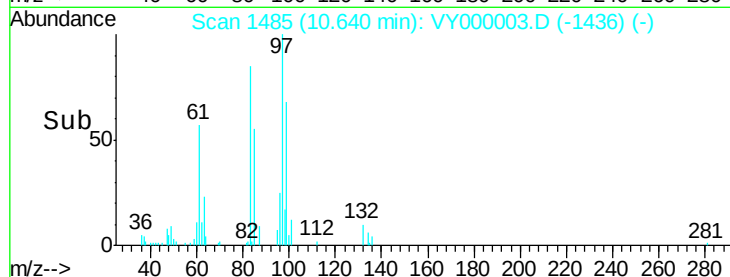
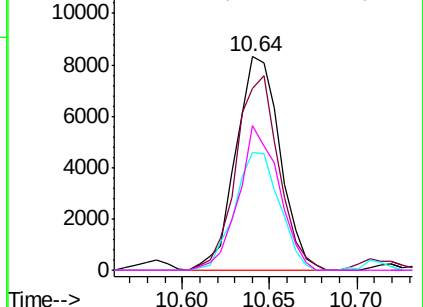


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 10.260 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

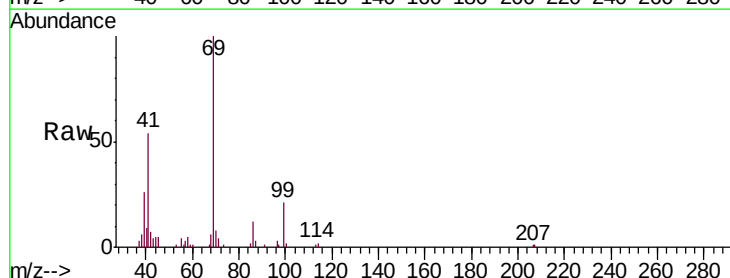
Tgt Ion: 69 Resp: 21075

Ion Ratio Lower Upper

69 100

41 57.7 46.3 69.5

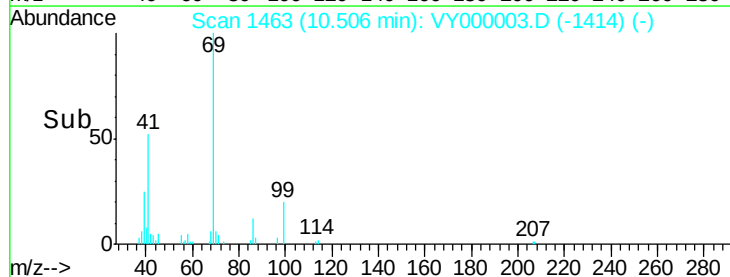
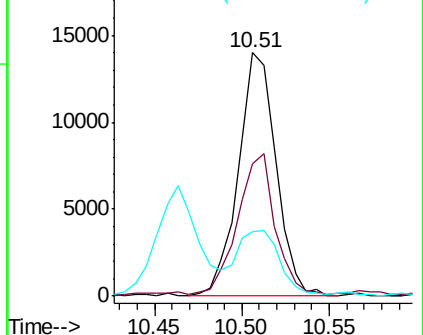
39 30.9 25.8 38.6

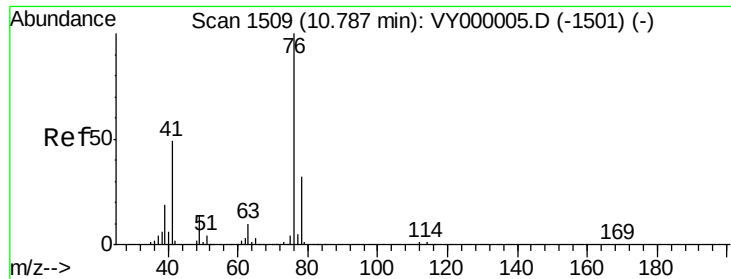


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

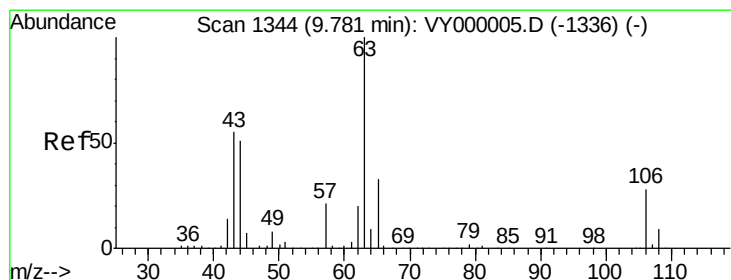
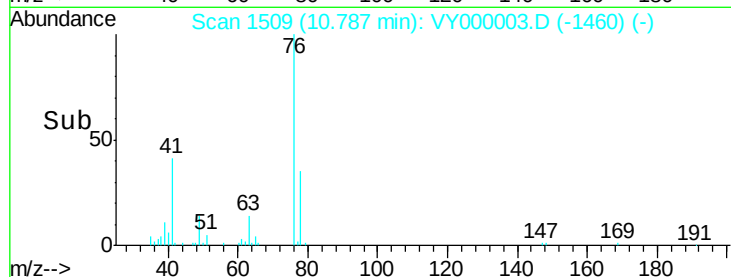
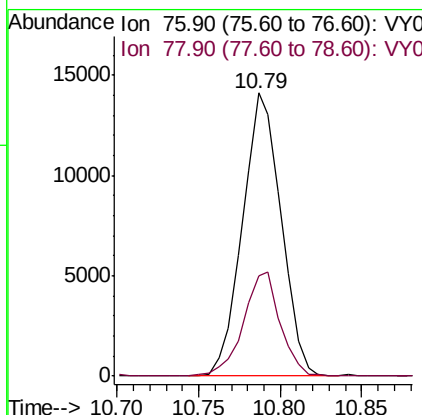
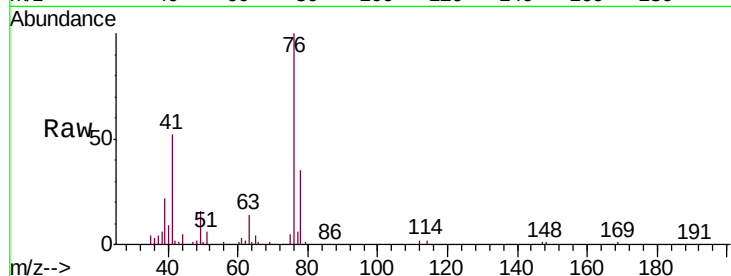




#57
 1,3-Dichloropropane
 Concen: 9.037 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

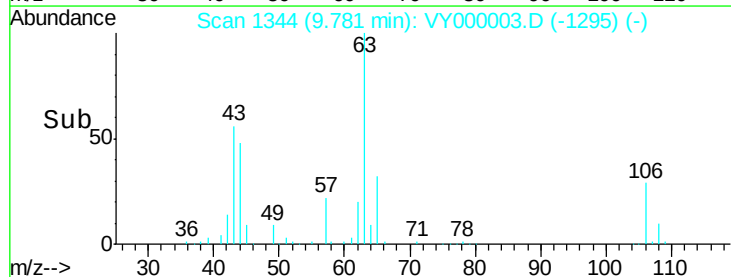
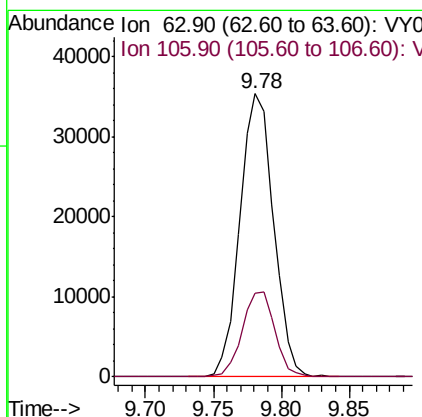
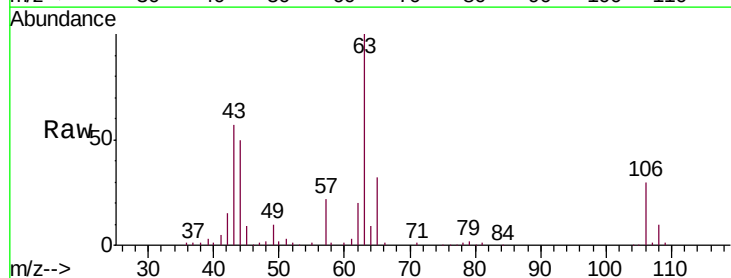
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

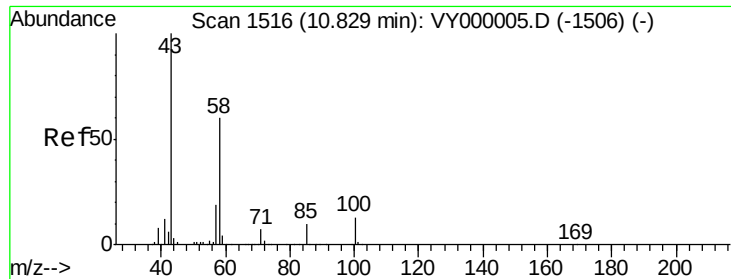
Tgt Ion: 76 Resp: 23183
 Ion Ratio Lower Upper
 76 100
 78 35.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 55.683 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 63 Resp: 61210
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.3 34.9

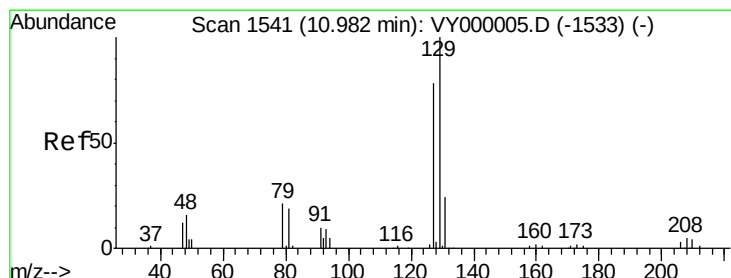
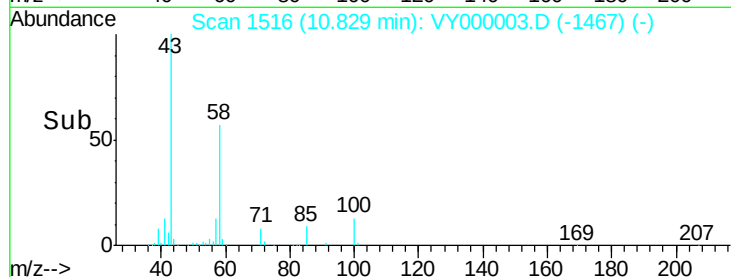
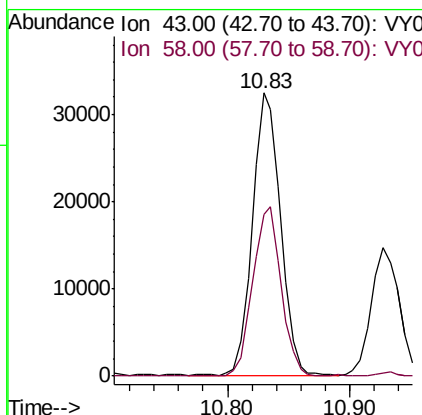
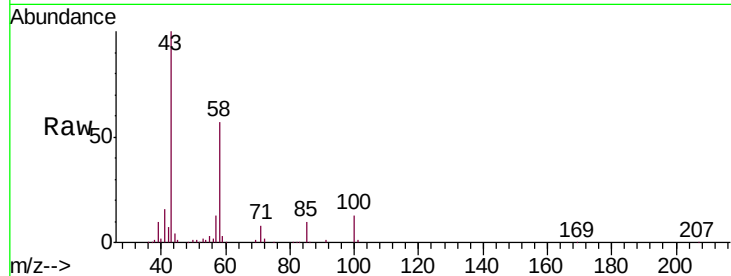




#59
2-Hexanone
Concen: 44.448 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

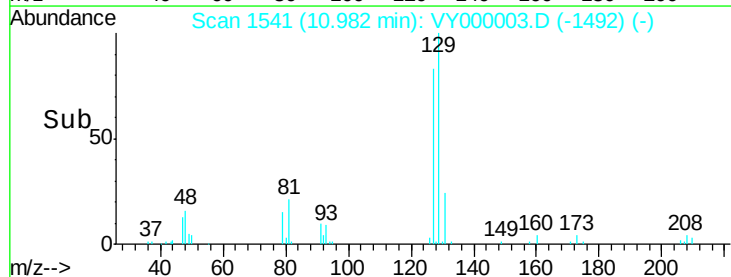
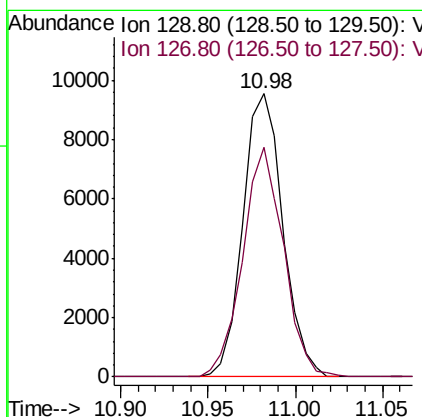
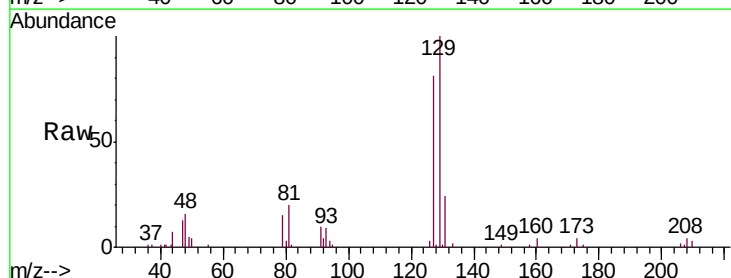
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

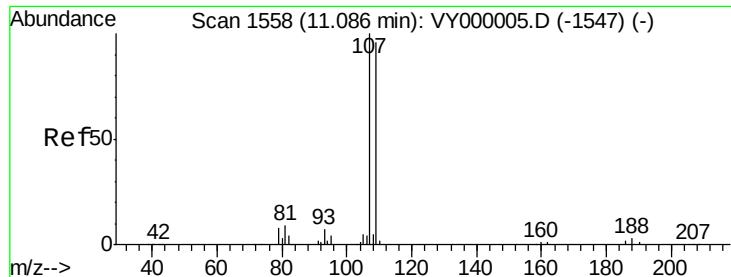
Tgt Ion: 43 Resp: 51816
Ion Ratio Lower Upper
43 100
58 60.5 29.8 89.5



#60
Dibromochloromethane
Concen: 9.350 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 129 Resp: 15235
Ion Ratio Lower Upper
129 100
127 82.9 39.2 117.6

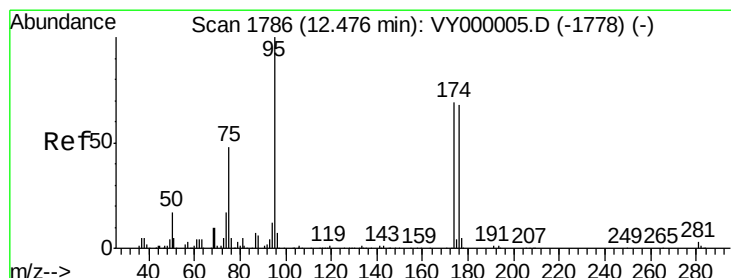
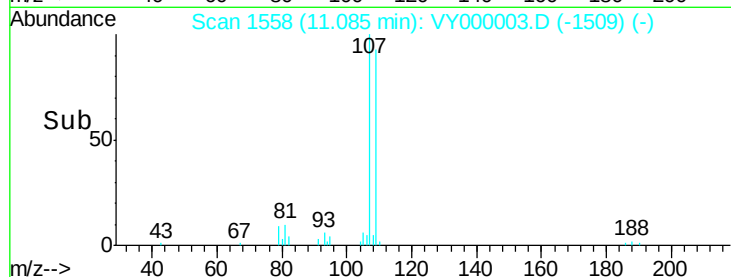
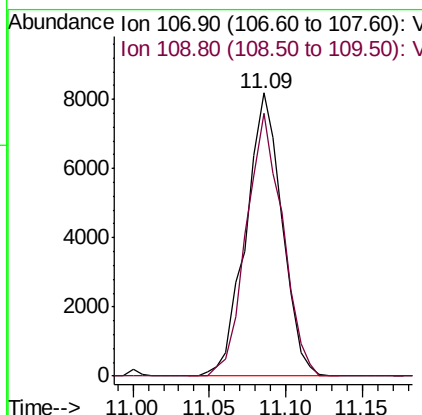
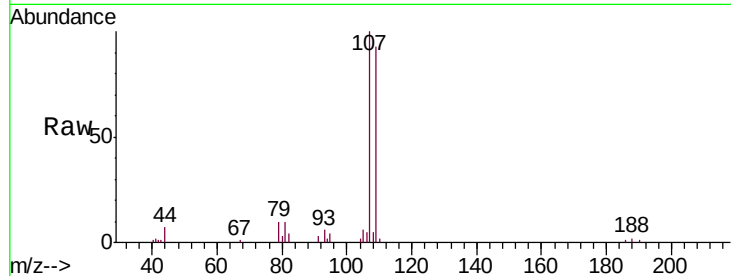




#61
 1,2-Dibromoethane
 Concen: 10.404 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

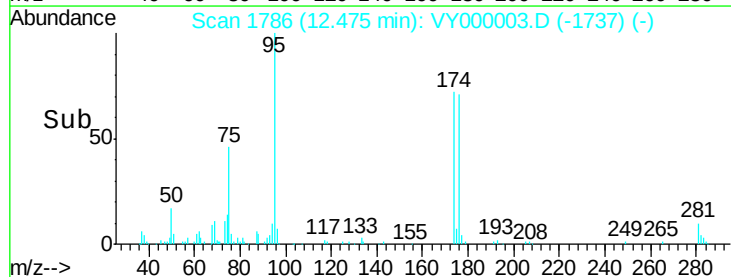
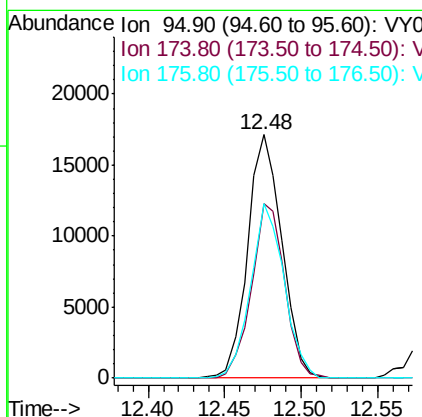
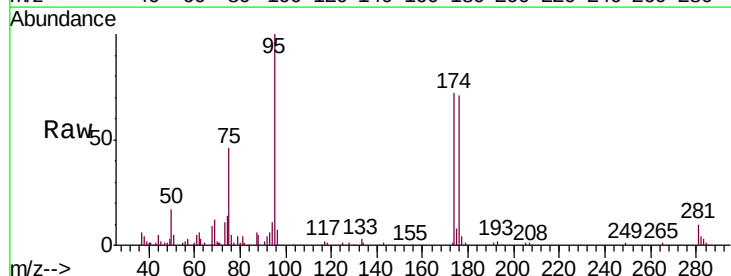
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

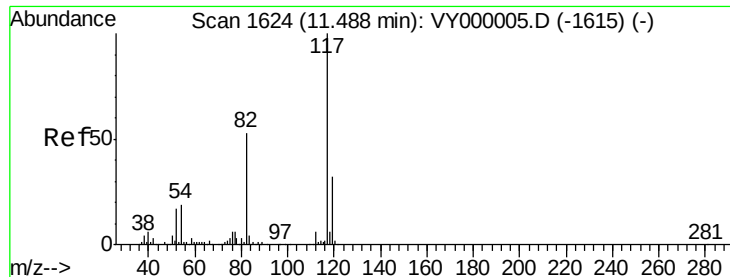
Tgt Ion: 107 Resp: 13475
 Ion Ratio Lower Upper
 107 100
 109 93.3 73.2 109.8



#62
 4-Bromofluorobenzene
 Concen: 10.821 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion: 95 Resp: 26620
 Ion Ratio Lower Upper
 95 100
 174 69.3 0.0 145.8
 176 69.9 0.0 138.0

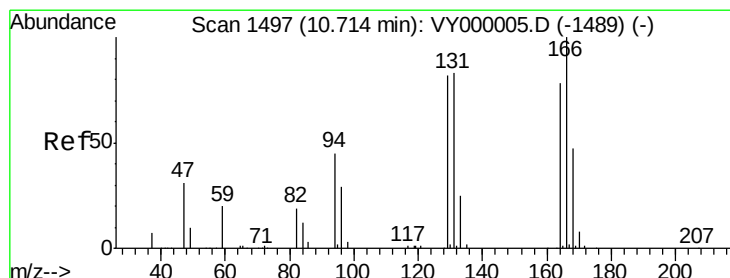
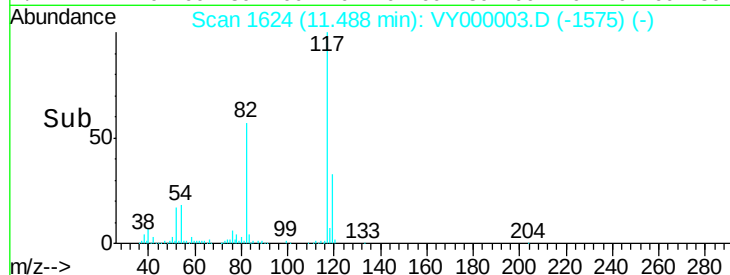
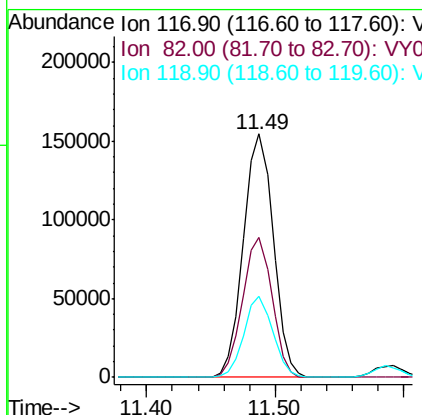
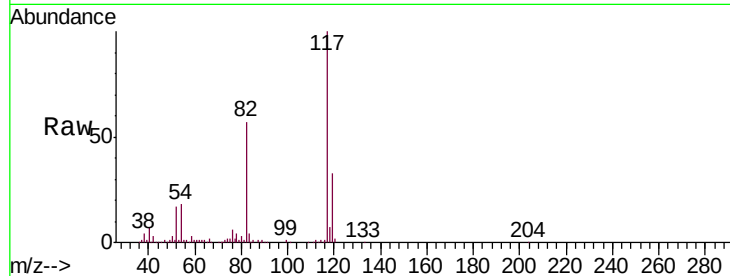




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

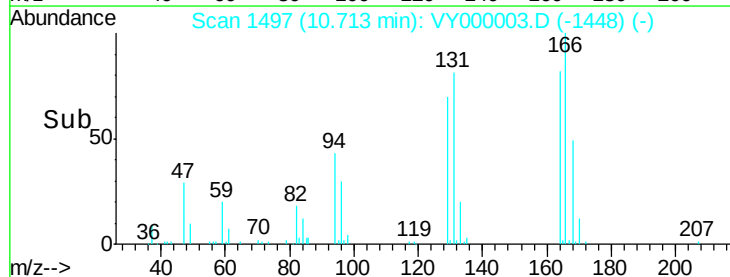
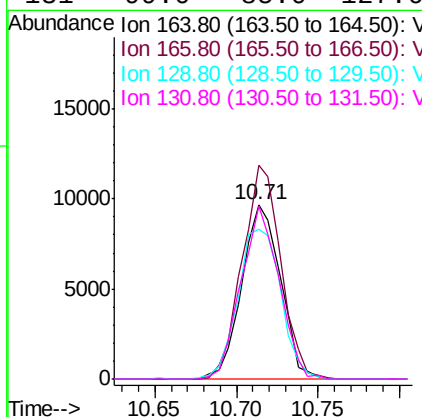
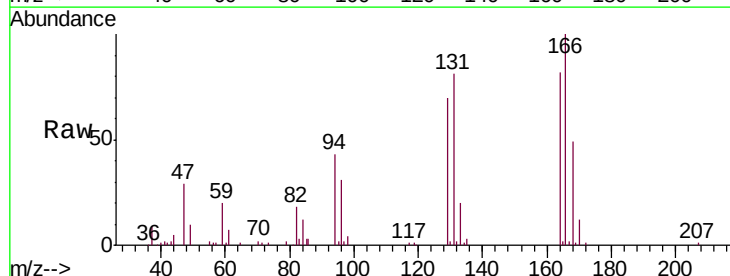
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

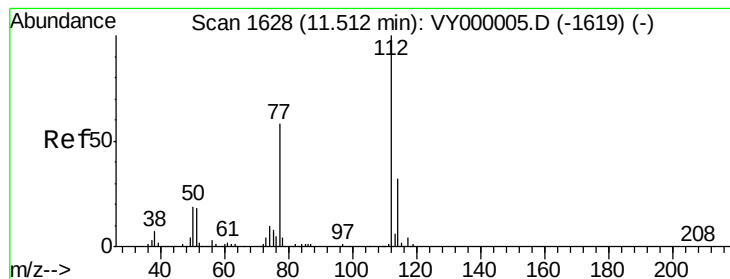
Tgt Ion:117 Resp: 249215
Ion Ratio Lower Upper
117 100
82 57.4 42.3 63.5
119 33.4 25.8 38.8



#64
Tetrachloroethene
Concen: 10.786 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion:164 Resp: 16025
Ion Ratio Lower Upper
164 100
166 122.4 102.5 153.7
129 86.1 83.8 125.8
131 99.0 85.0 127.6





#65

Chlorobenzene

Concen: 9.628 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

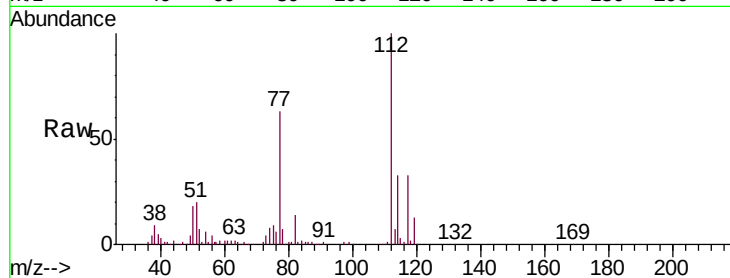
VSTDIC010

Tgt Ion:112 Resp: 44759

Ion Ratio Lower Upper

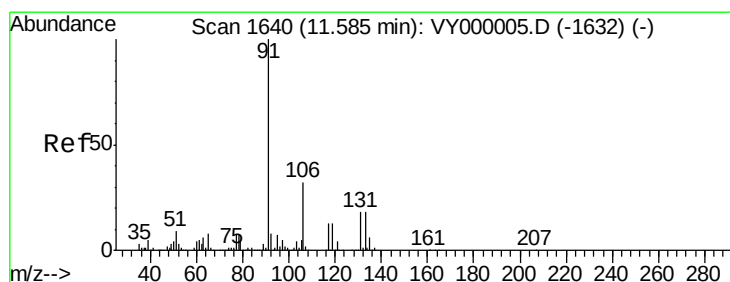
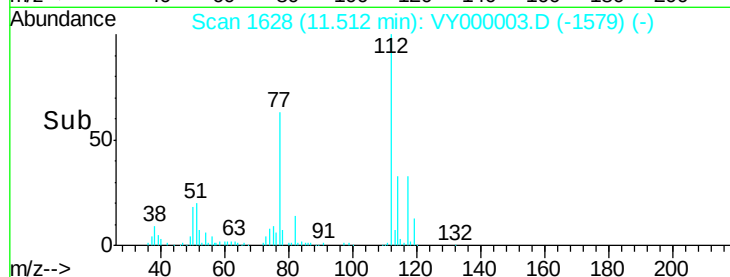
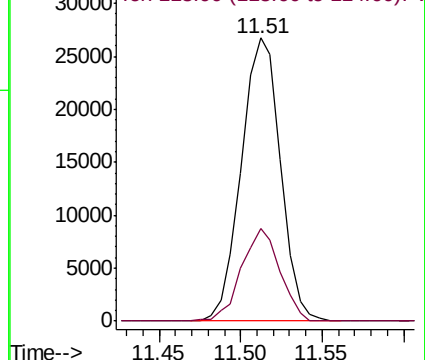
112 100

114 32.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.370 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

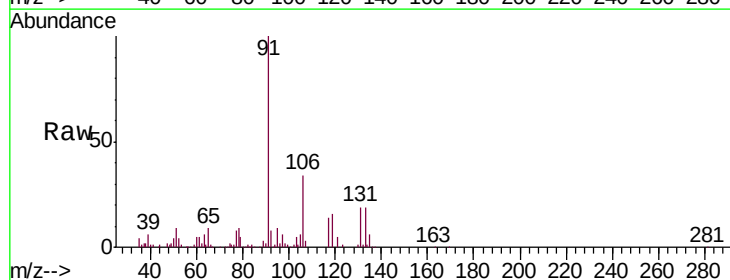
Tgt Ion:131 Resp: 15895

Ion Ratio Lower Upper

131 100

133 98.5 48.7 146.1

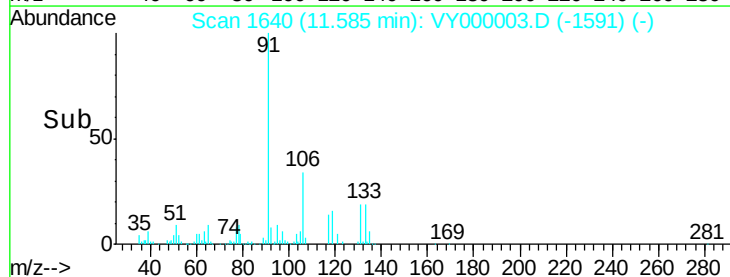
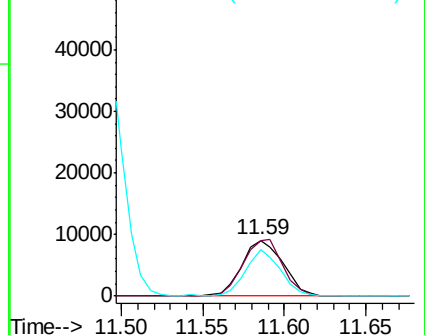
119 70.5 35.8 107.3

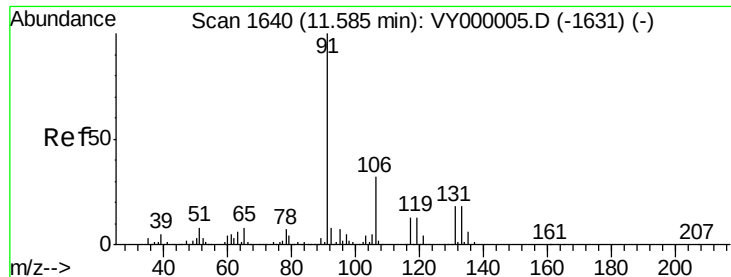


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

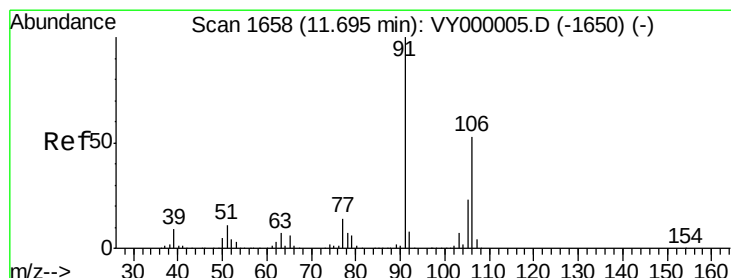
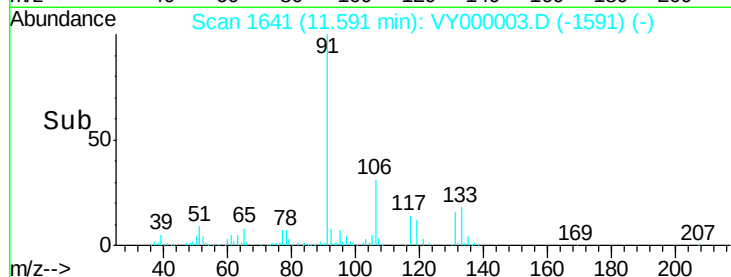
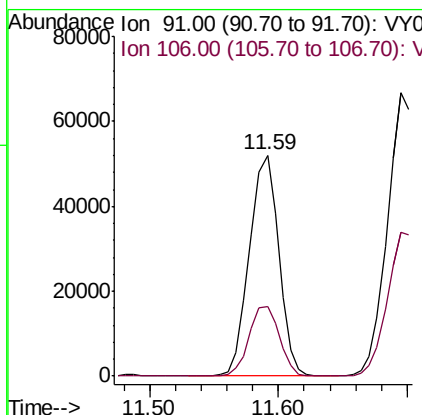
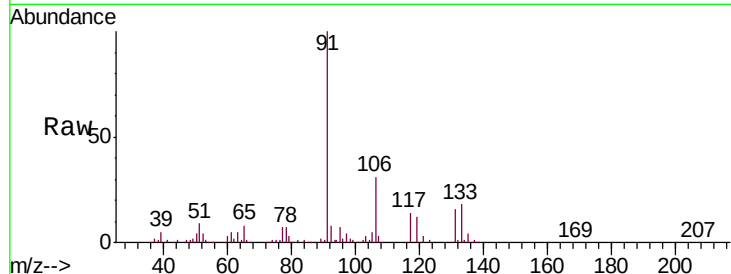




#67
Ethyl Benzene
Concen: 9.489 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

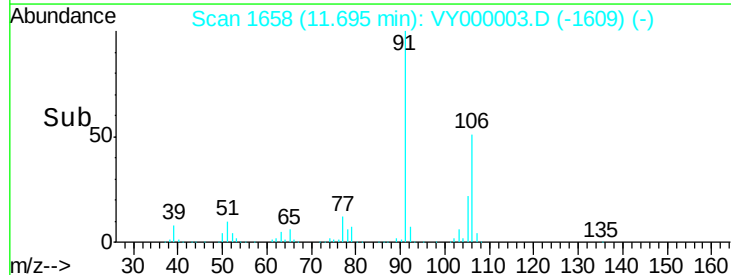
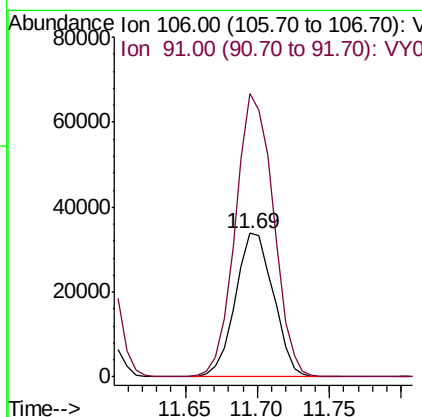
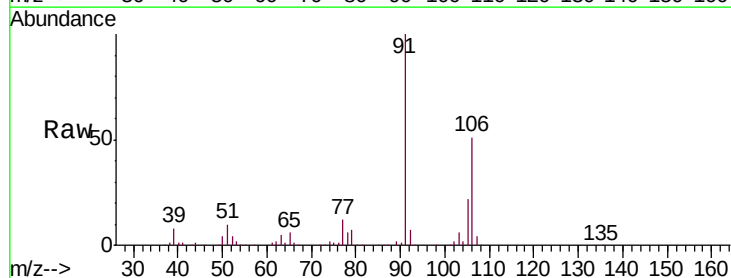
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

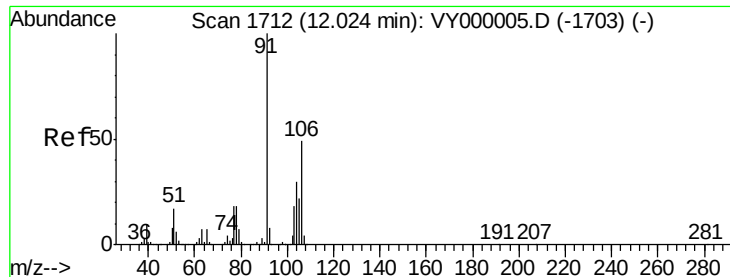
Tgt Ion: 91 Resp: 81980
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 19.689 ug/l
RT: 11.69 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 106 Resp: 62341
Ion Ratio Lower Upper
106 100
91 196.3 157.1 235.7

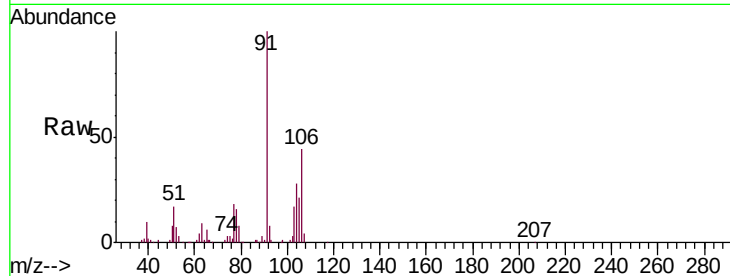




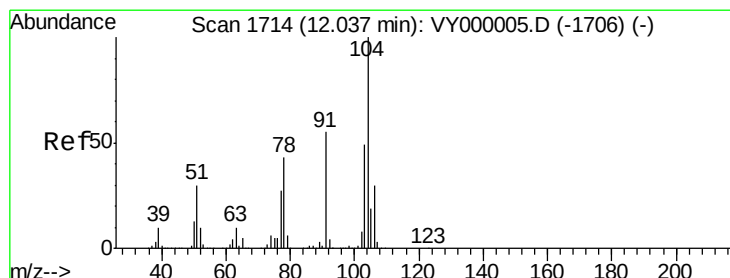
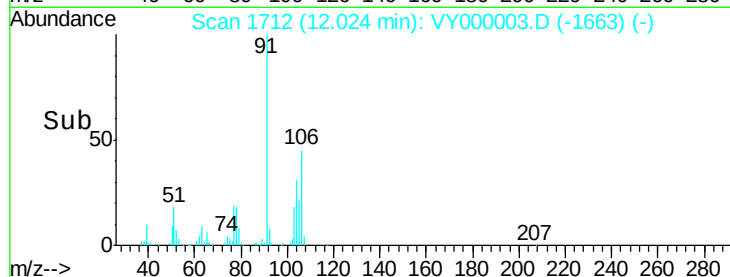
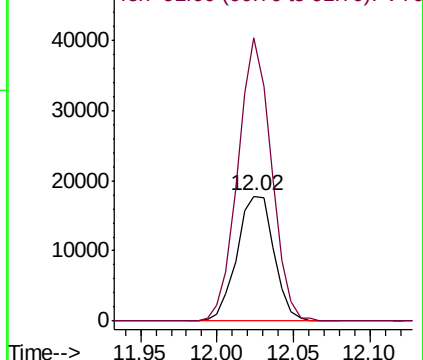
#69
o-Xylene
Concen: 10.007 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tgt Ion:106 Resp: 29851
Ion Ratio Lower Upper
106 100
91 205.1 100.6 301.8

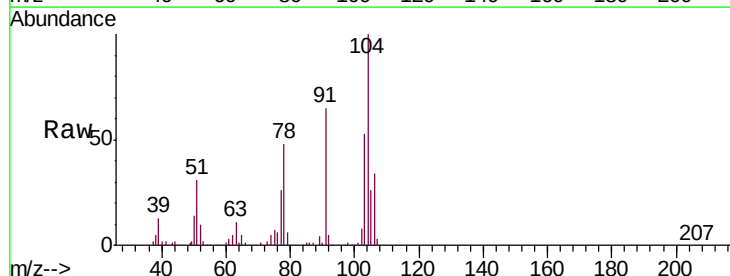


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

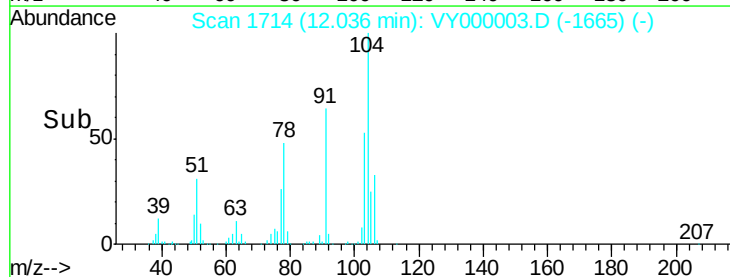
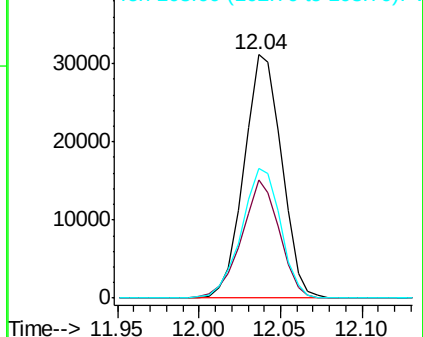


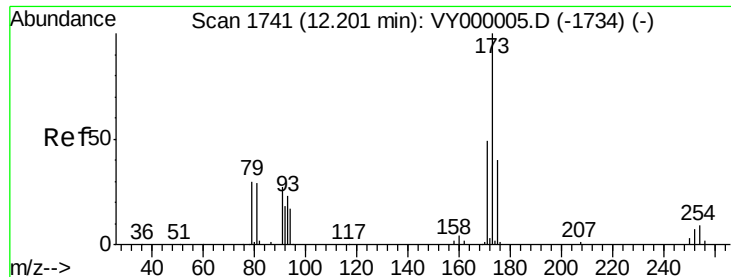
#70
Styrene
Concen: 9.573 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion:104 Resp: 50218
Ion Ratio Lower Upper
104 100
78 48.5 37.6 56.4
103 55.4 42.6 63.8



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: 9.430 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

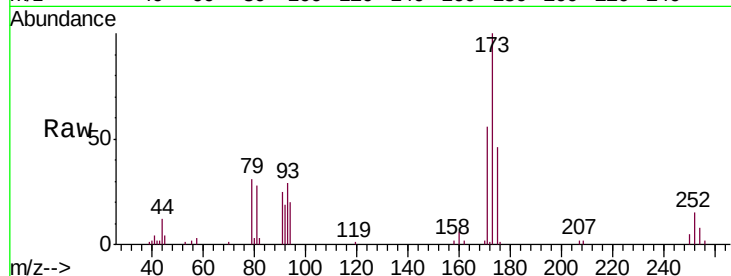
Tgt Ion:173 Resp: 9022

Ion Ratio Lower Upper

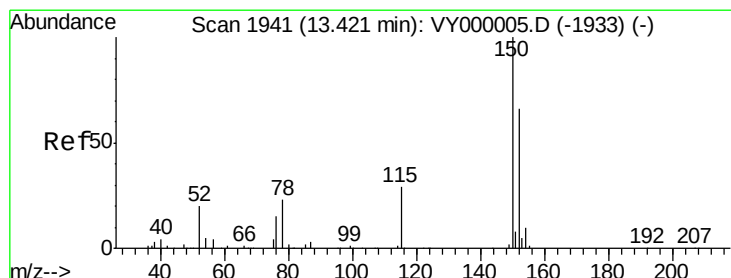
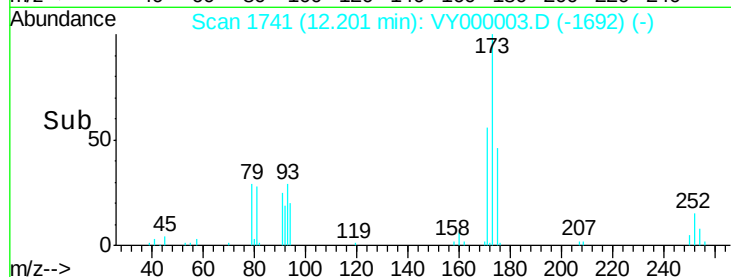
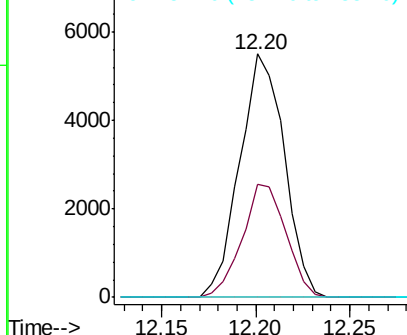
173 100

175 45.6 23.8 71.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

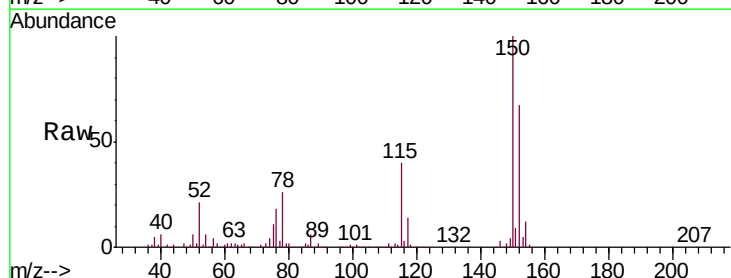
Tgt Ion:152 Resp: 107097

Ion Ratio Lower Upper

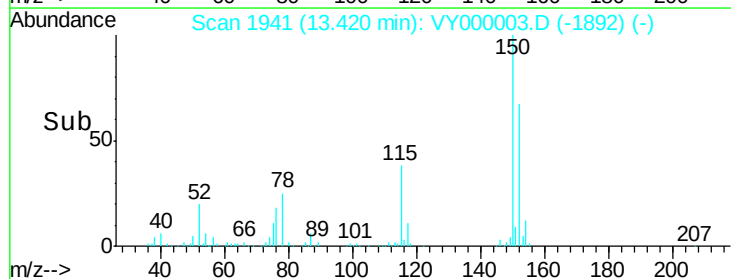
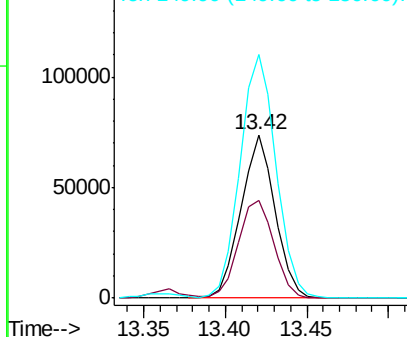
152 100

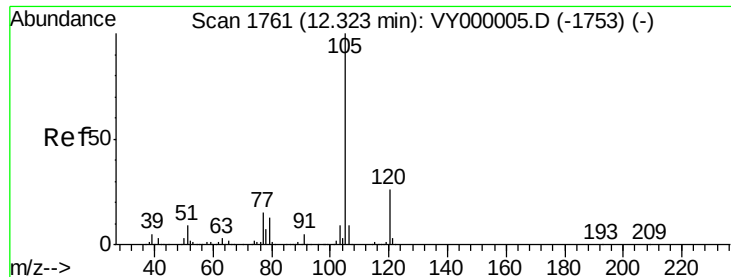
115 62.4 30.3 91.0

150 158.2 0.0 347.4



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: 10.380 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. 0.01 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampled :

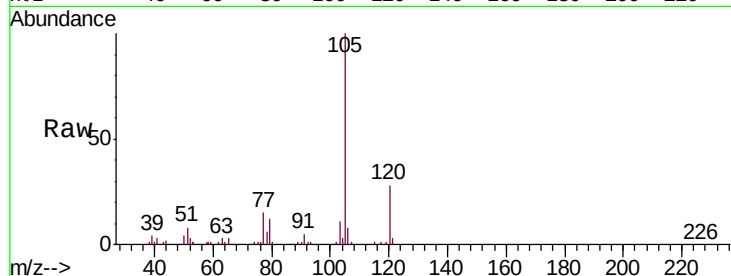
VSTDIC010

Tgt Ion: 105 Resp: 79179

Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

50000

40000

30000

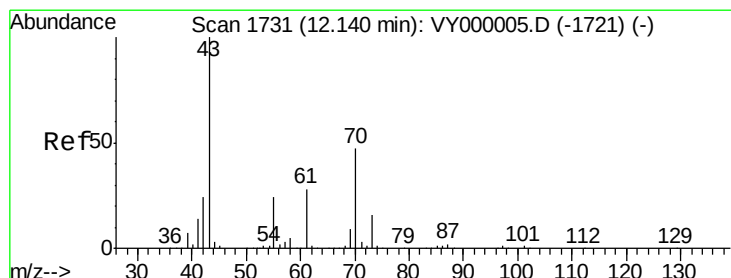
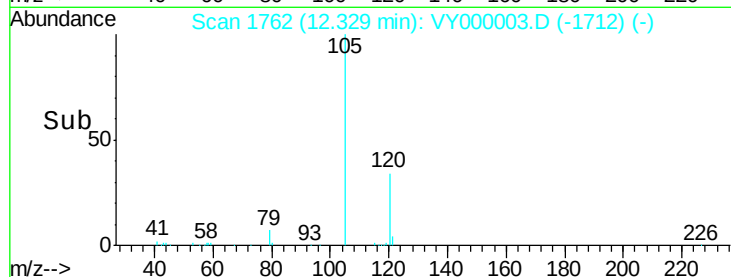
20000

10000

0

Time-->

12.25 12.30 12.35 12.40



#74

N-amyl acetate

Concen: 9.001 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Tgt Ion: 43 Resp: 21356

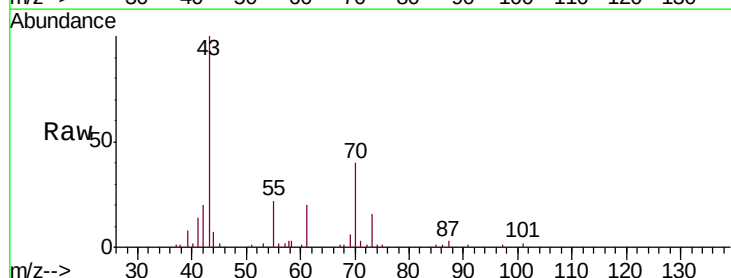
Ion Ratio Lower Upper

43 100

70 46.9 38.1 57.1

55 25.7 19.9 29.9

61 24.7 22.0 33.0



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

25000

20000

15000

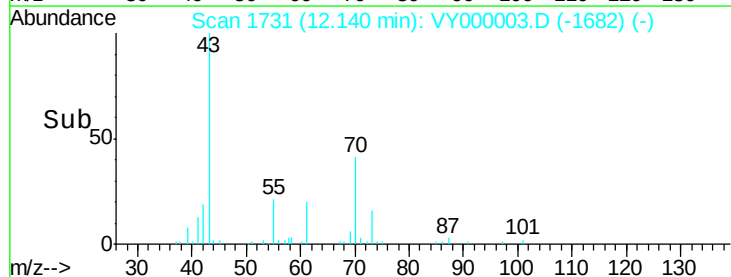
10000

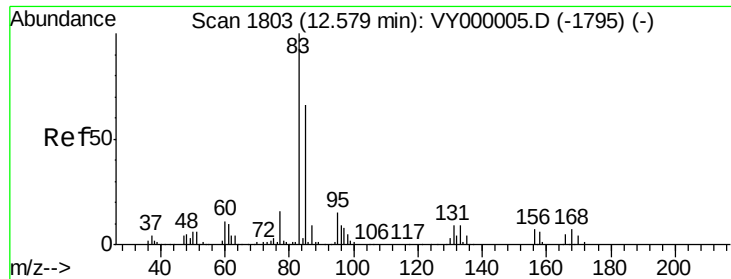
5000

0

Time-->

12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 11.894 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

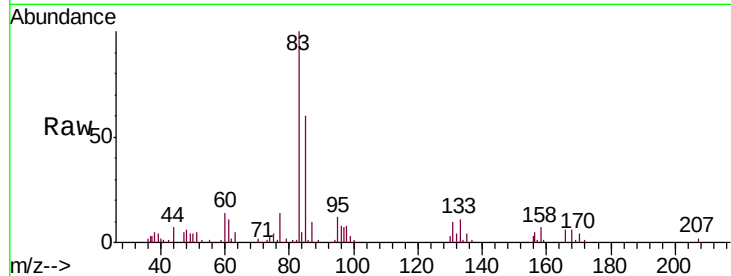
Tgt Ion: 83 Resp: 18825

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

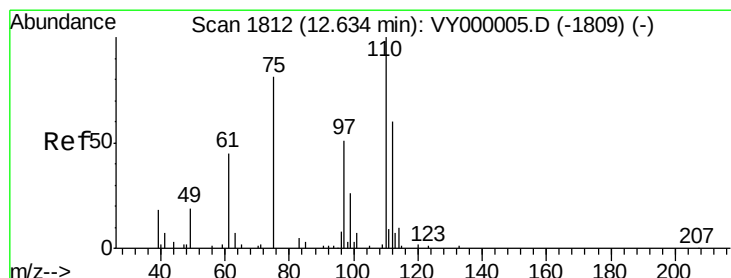
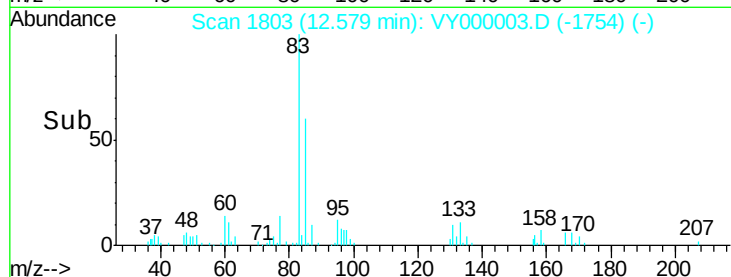
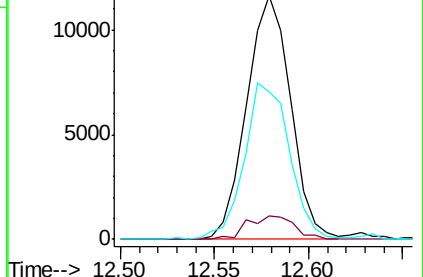
85 66.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 22.045 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VY000003.D

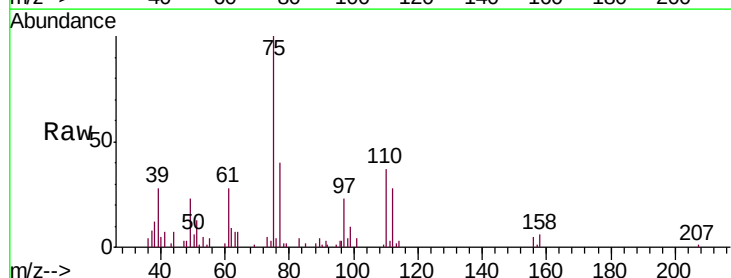
Acq: 11 Sep 2019 16:54

Tgt Ion: 75 Resp: 24932

Ion Ratio Lower Upper

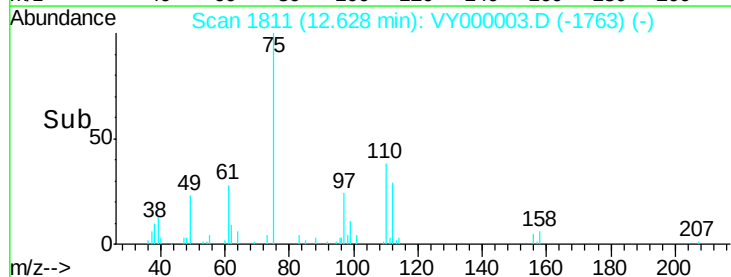
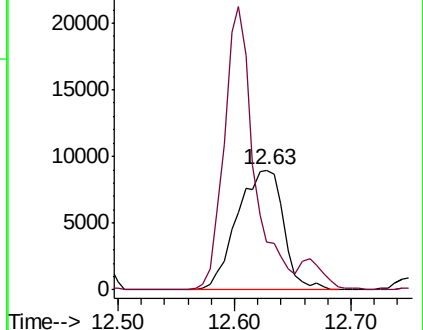
75 100

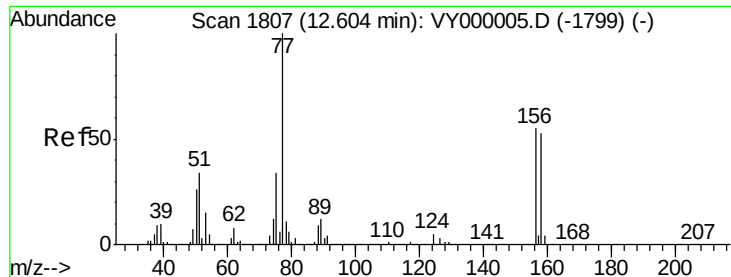
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 9.921 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

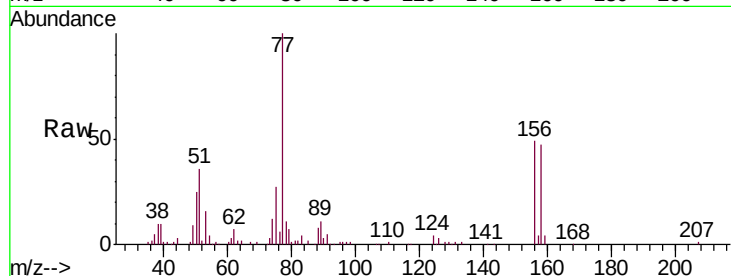
Tgt Ion:156 Resp: 17040

Ion Ratio Lower Upper

156 100

77 223.8 106.5 319.6

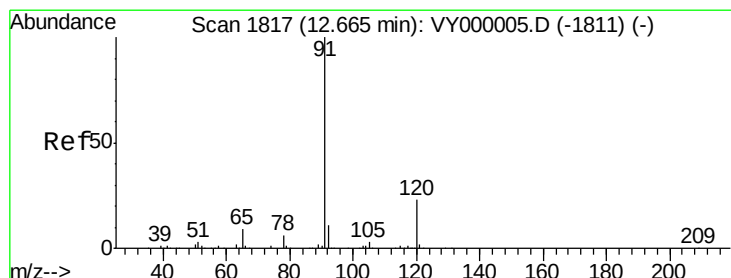
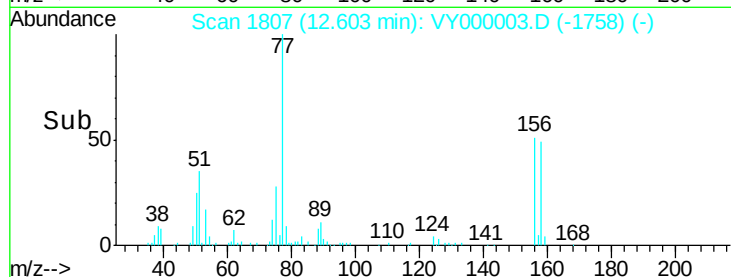
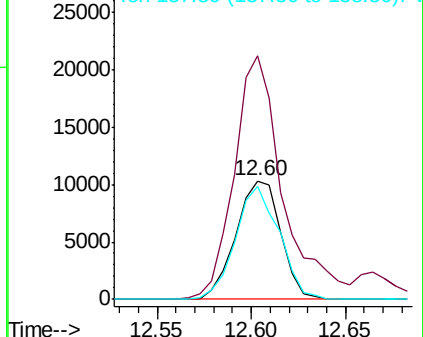
158 92.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.338 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000003.D

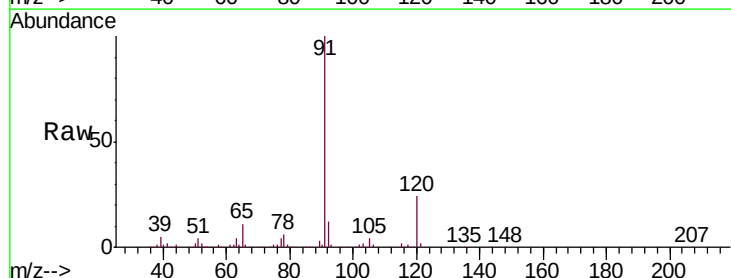
Acq: 11 Sep 2019 16:54

Tgt Ion: 91 Resp: 94884

Ion Ratio Lower Upper

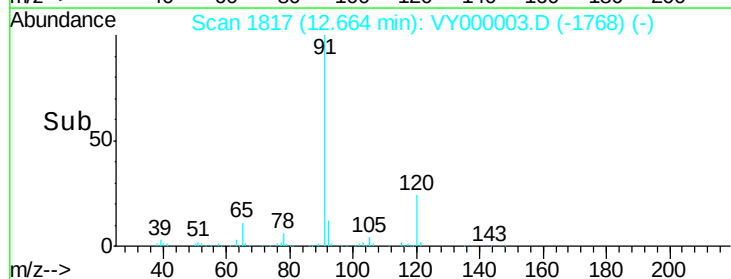
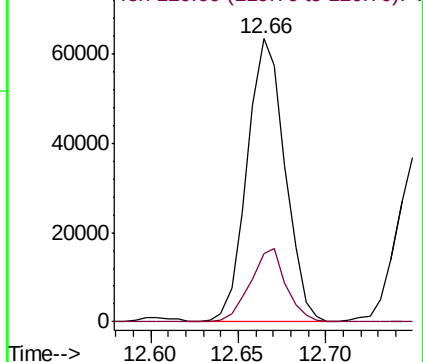
91 100

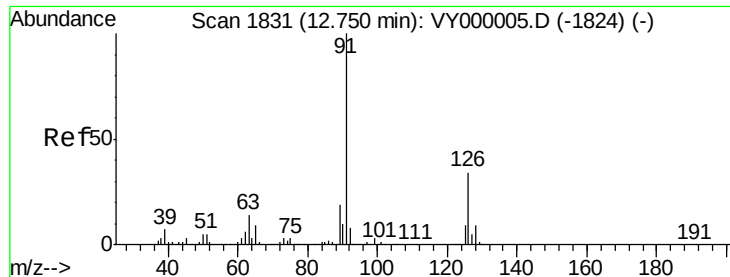
120 24.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.373 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

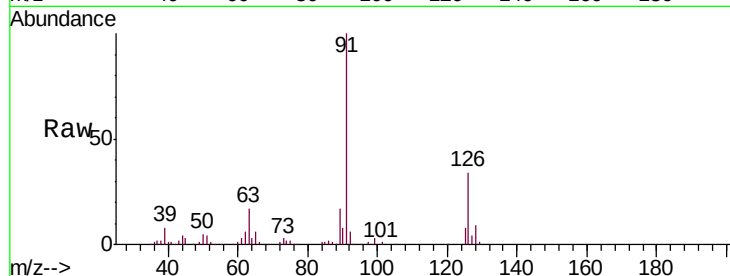
VSTDIC010

Tgt Ion: 91 Resp: 54336

Ion Ratio Lower Upper

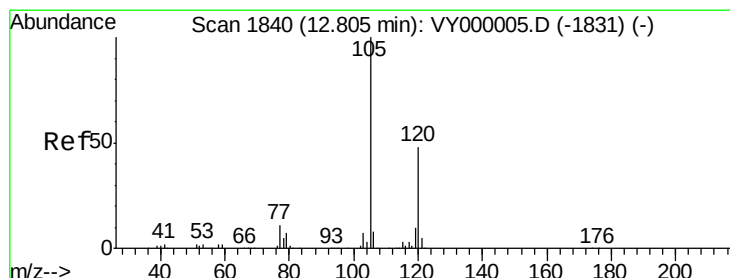
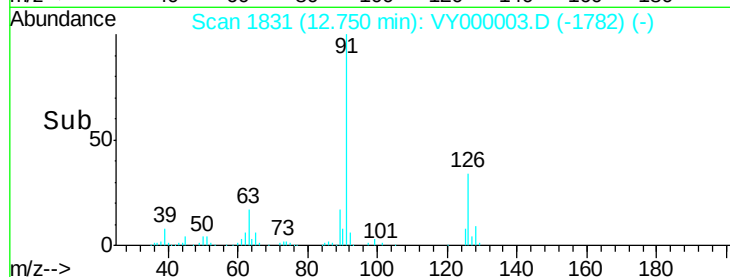
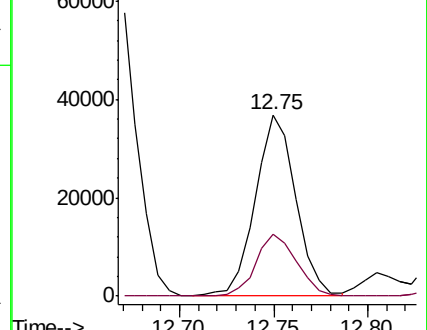
91 100

126 34.6 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VY000005.D (-1824) (-)

Ion 125.90 (125.60 to 126.60): VY000005.D (-1824) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.270 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VY000003.D

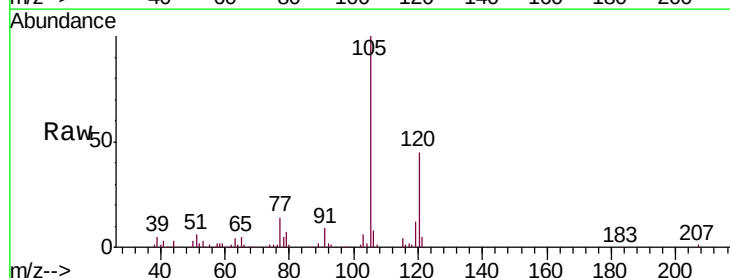
Acq: 11 Sep 2019 16:54

Tgt Ion: 105 Resp: 65893

Ion Ratio Lower Upper

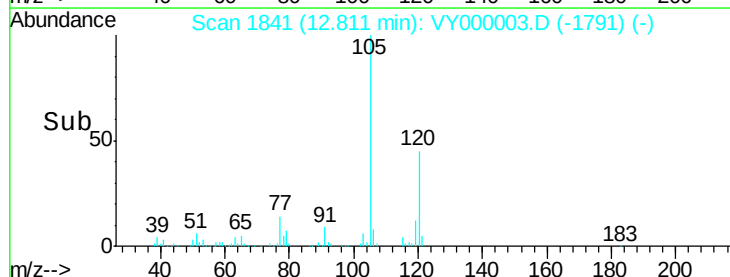
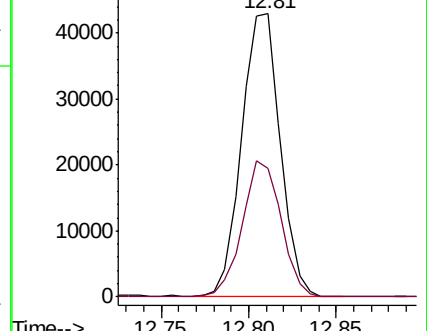
105 100

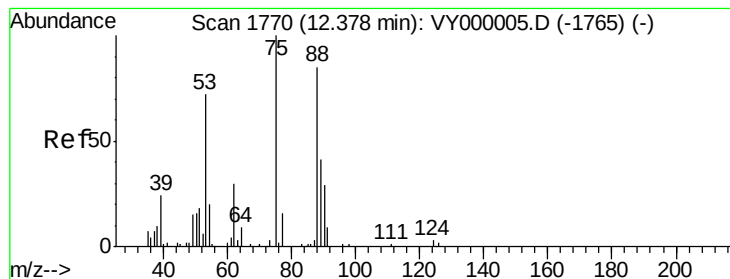
120 48.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000005.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000005.D (-1831) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 12.625 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

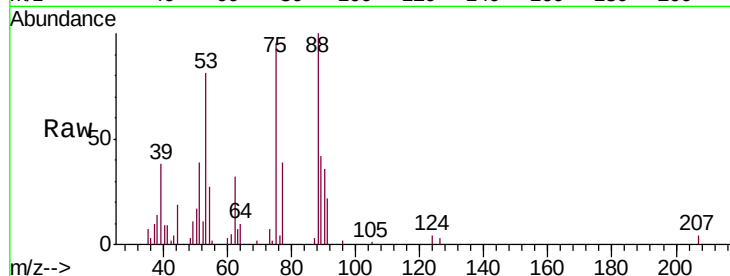
Tgt Ion: 75 Resp: 6882

Ion Ratio Lower Upper

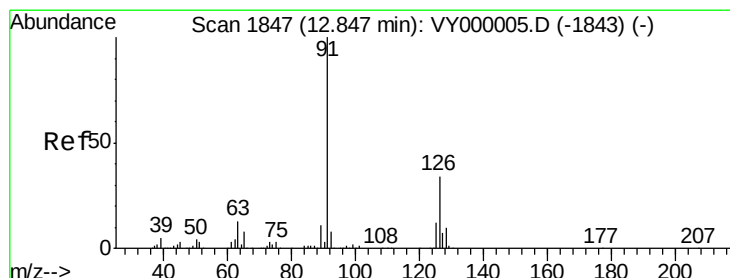
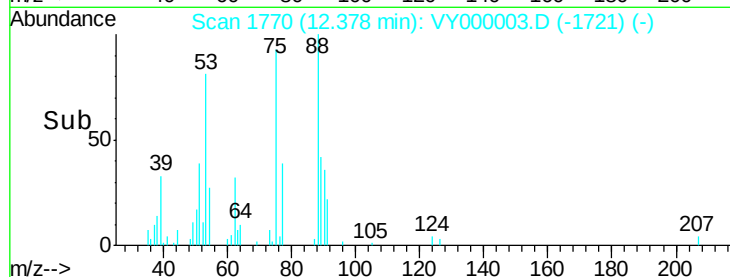
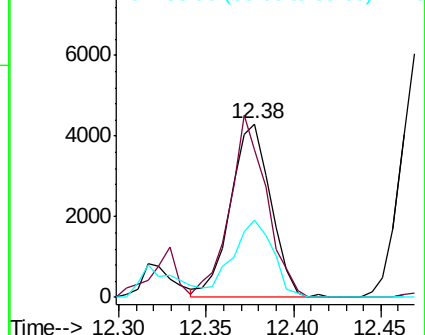
75 100

53 96.4 63.0 94.6#

89 44.9 34.6 52.0



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



#82

4-Chlorotoluene

Concen: 10.024 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000003.D

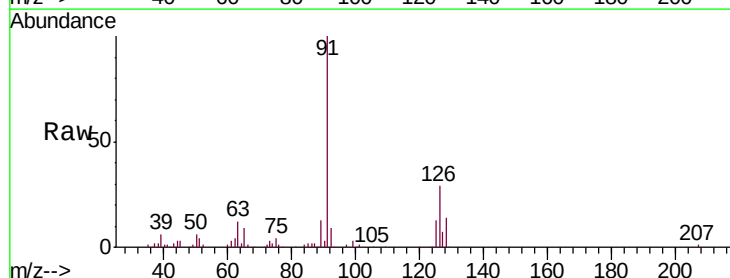
Acq: 11 Sep 2019 16:54

Tgt Ion: 91 Resp: 55542

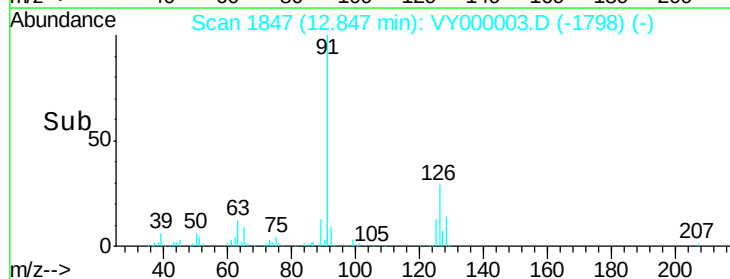
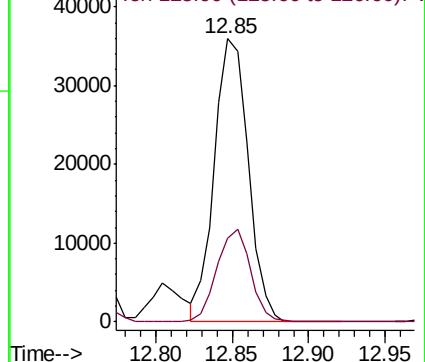
Ion Ratio Lower Upper

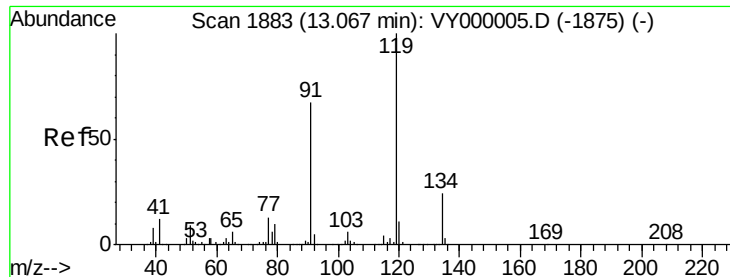
91 100

126 32.4 17.0 50.9



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

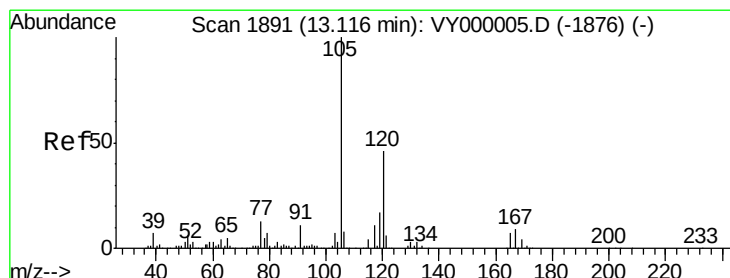
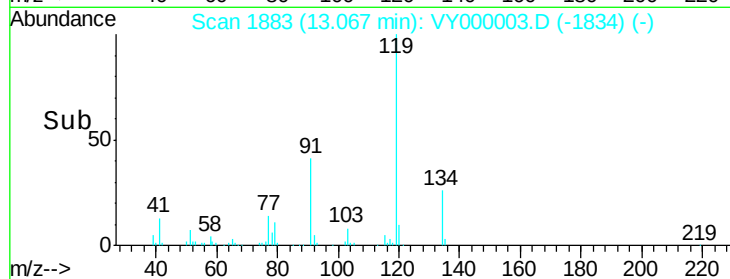
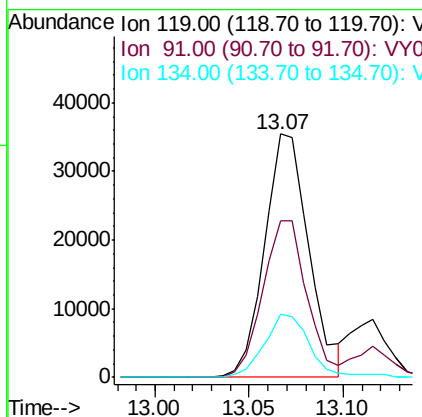
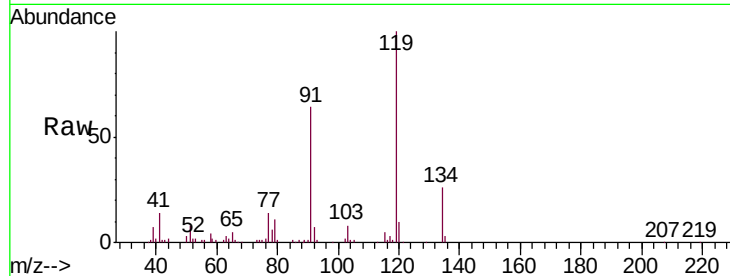




#83
 tert-Butylbenzene
 Concen: 10.272 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

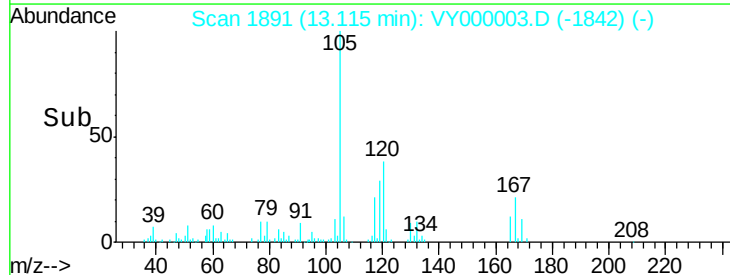
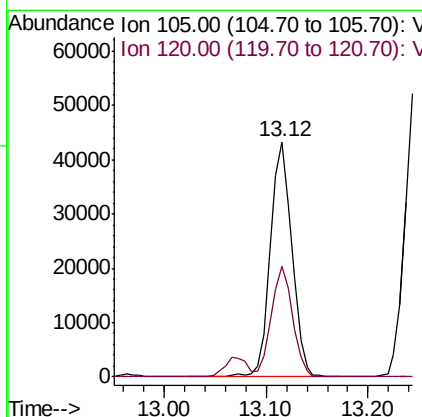
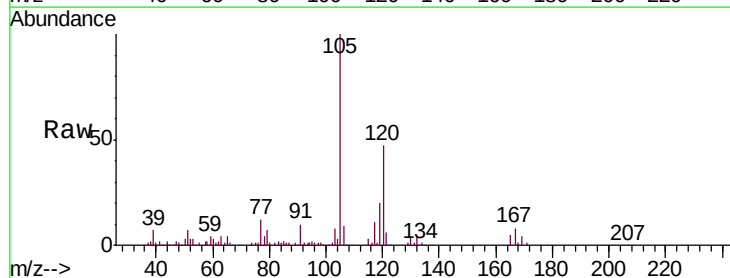
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

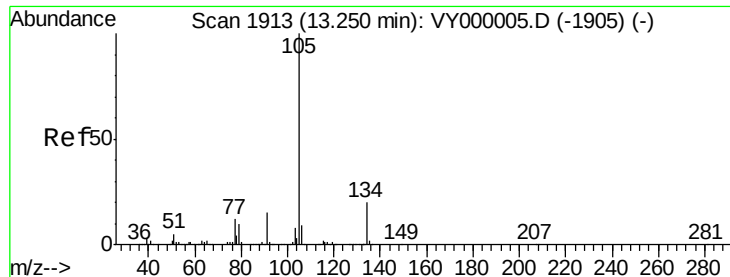
Tgt Ion:119 Resp: 57963
 Ion Ratio Lower Upper
 119 100
 91 64.0 33.6 100.8
 134 26.0 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 9.716 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion:105 Resp: 63041
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.8 68.3





#85

sec-Butylbenzene

Concen: 10.468 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

Instrument :

MSVOA_Y

ClientSampleId :

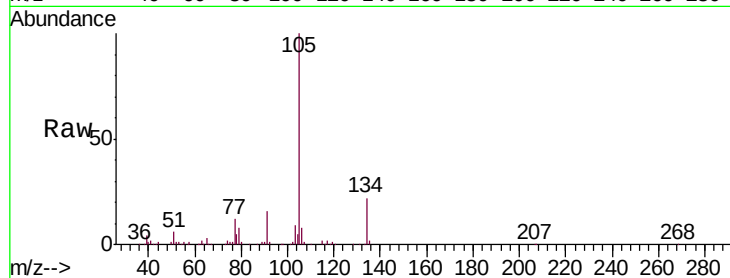
VSTDIC010

Tgt Ion:105 Resp: 82880

Ion Ratio Lower Upper

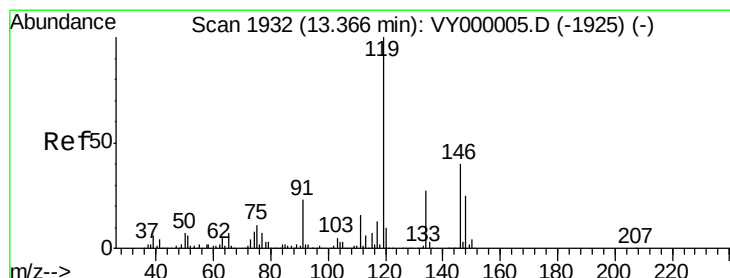
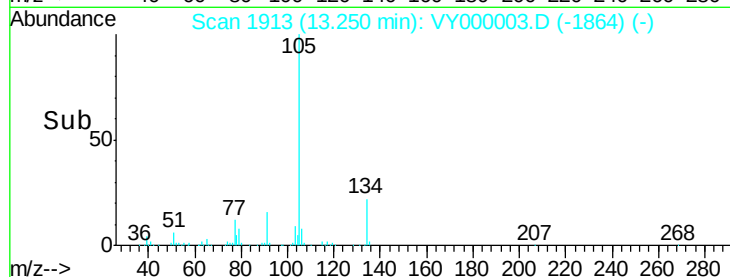
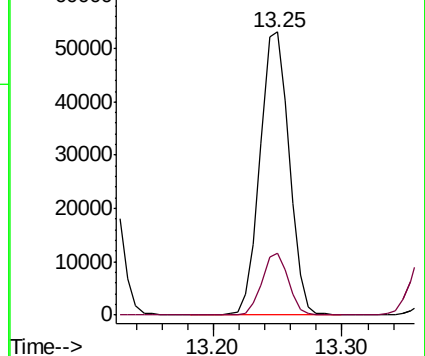
105 100

134 19.7 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.767 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000003.D

Acq: 11 Sep 2019 16:54

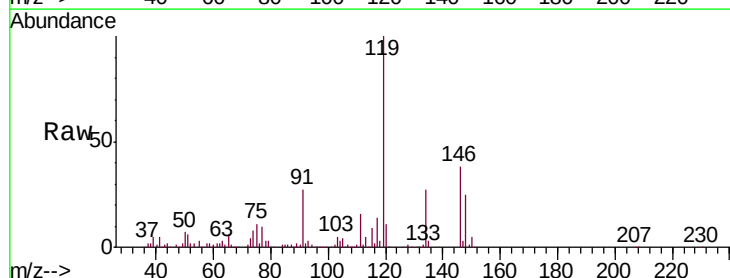
Tgt Ion:119 Resp: 69706

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

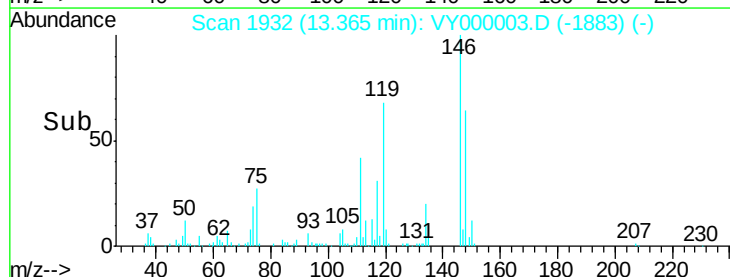
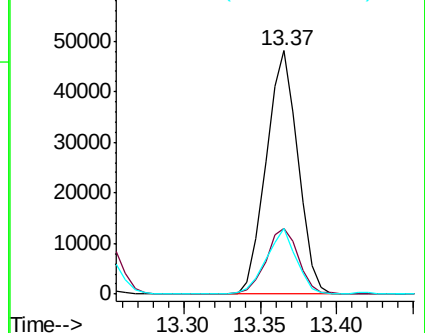
91 25.5 12.2 36.6

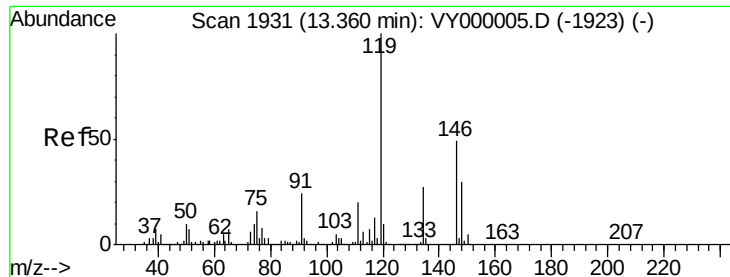


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

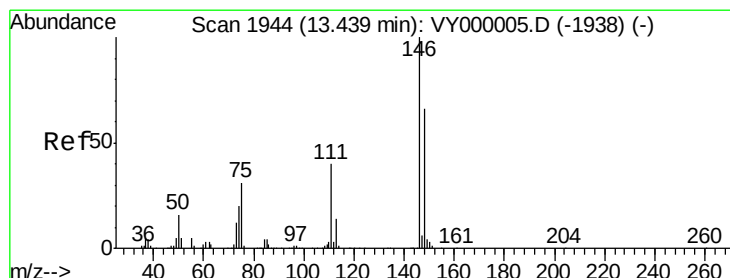
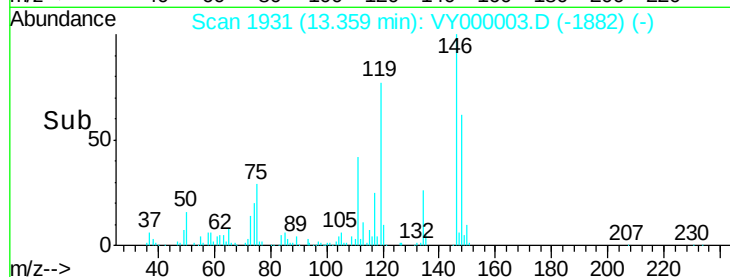
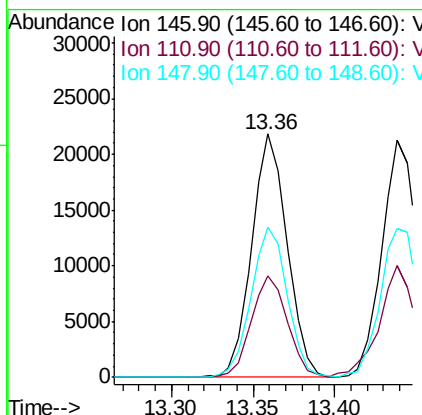
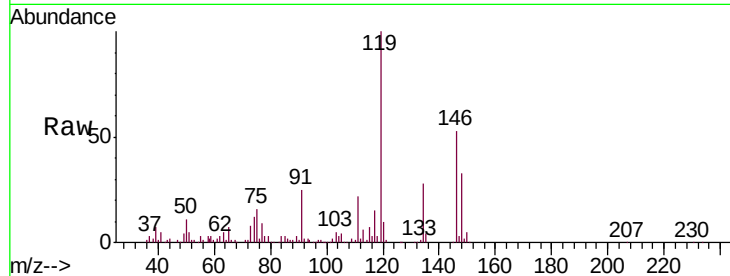




#87
 1,3-Dichlorobenzene
 Concen: 9.735 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

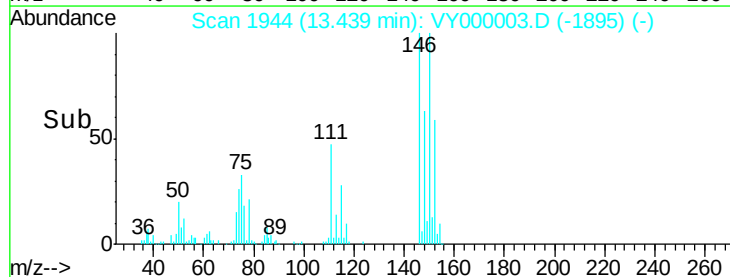
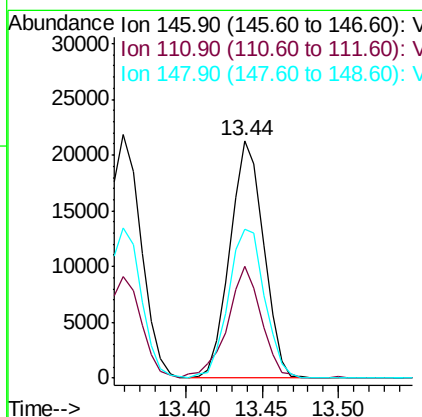
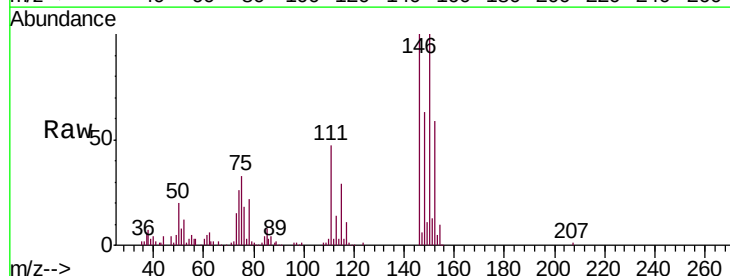
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

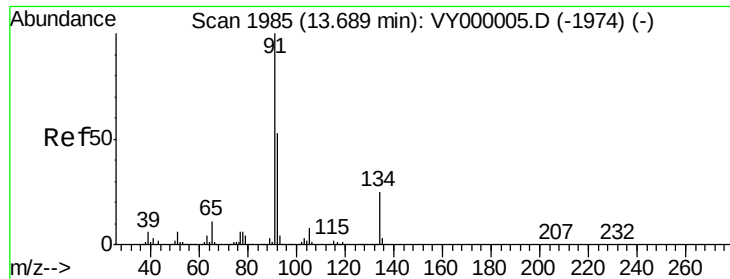
Tgt Ion:146 Resp: 33048
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.6 61.9
 148 62.9 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 9.670 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion:146 Resp: 32600
 Ion Ratio Lower Upper
 146 100
 111 47.3 20.3 60.9
 148 67.5 31.9 95.7

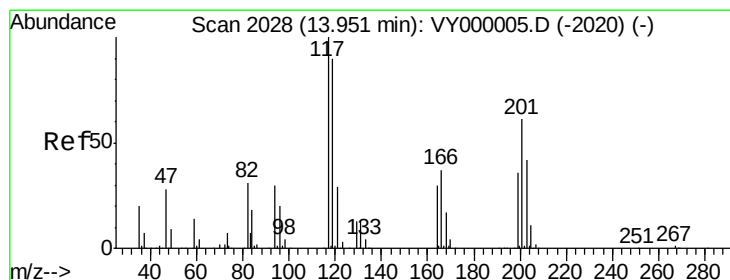
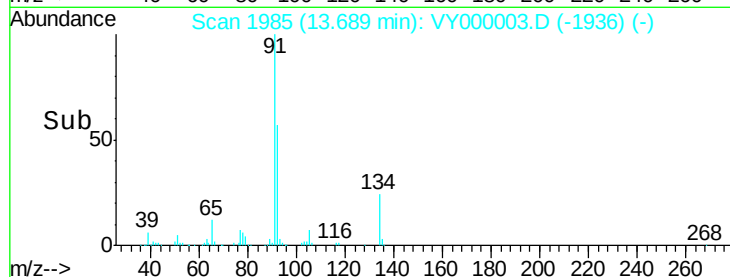
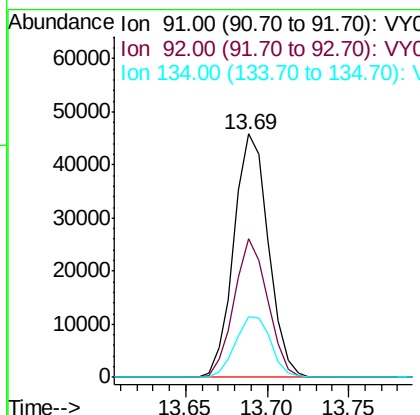
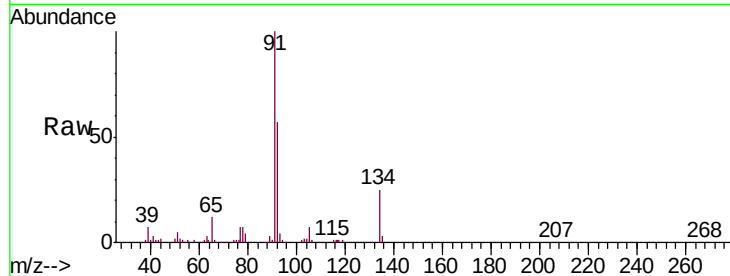




#89
n-Butylbenzene
Concen: 9.671 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

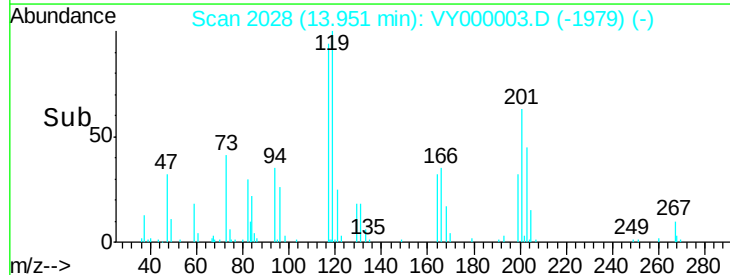
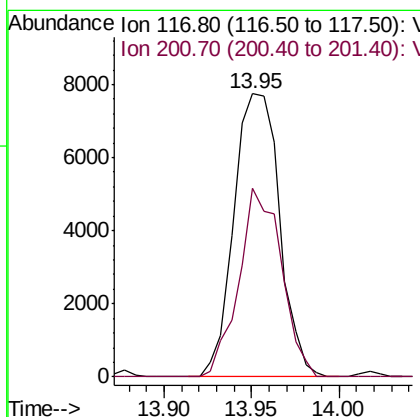
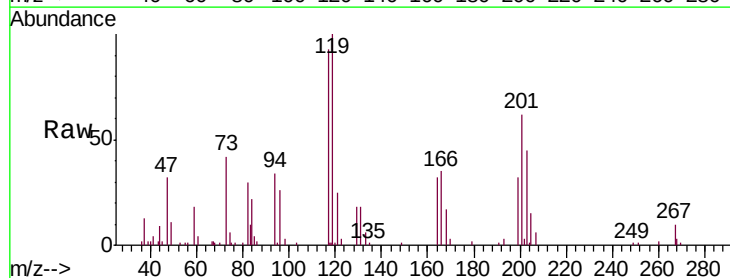
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

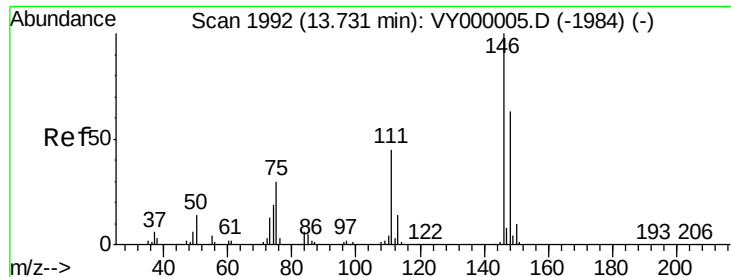
Tgt Ion: 91 Resp: 67647
Ion Ratio Lower Upper
91 100
92 55.7 27.0 80.8
134 25.6 12.7 38.0



#90
Hexachloroethane
Concen: 11.029 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion: 117 Resp: 14063
Ion Ratio Lower Upper
117 100
201 62.1 32.3 96.8

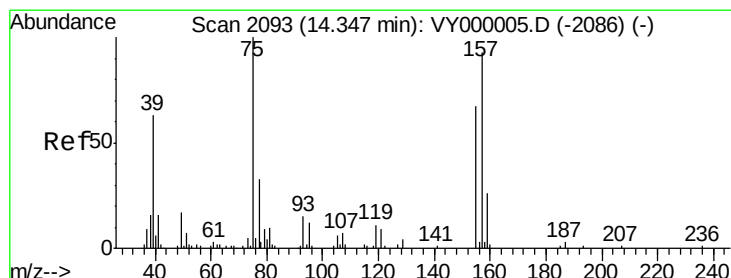
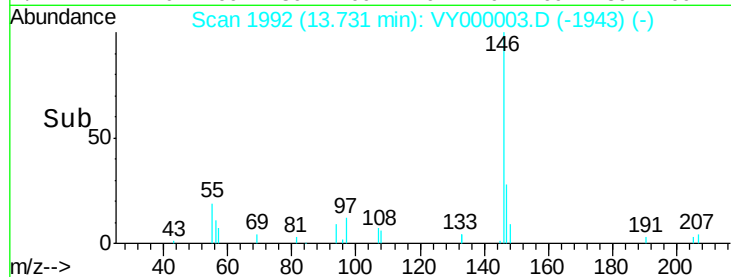
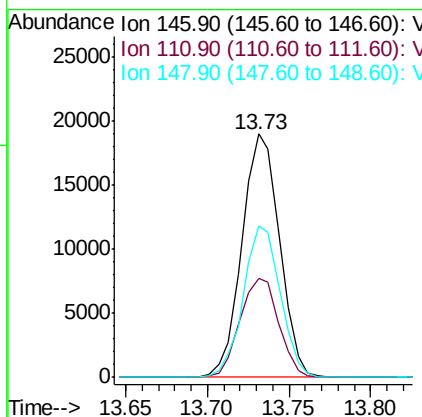
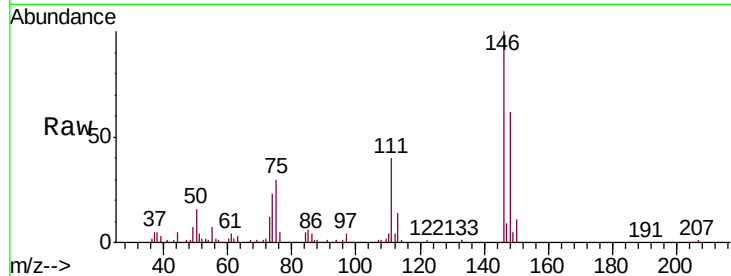




#91
 1,2-Dichlorobenzene
 Concen: 9.970 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

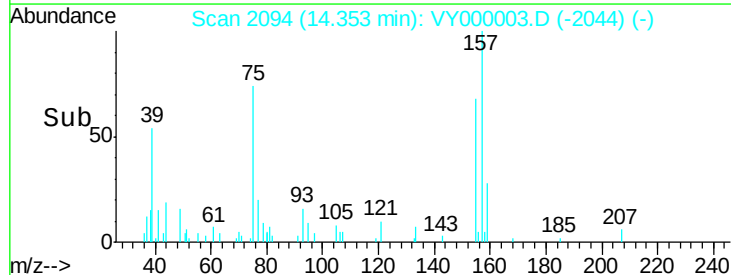
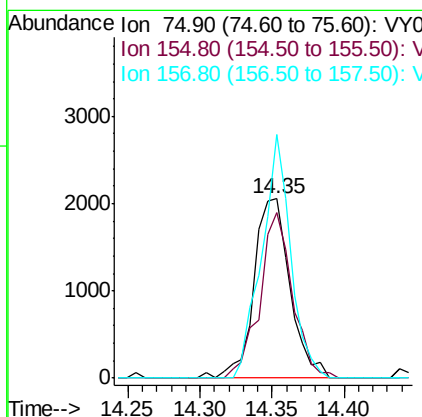
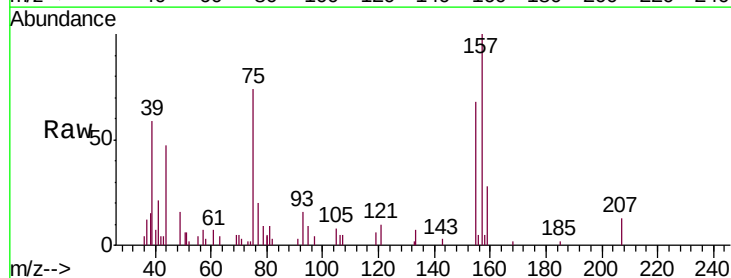
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

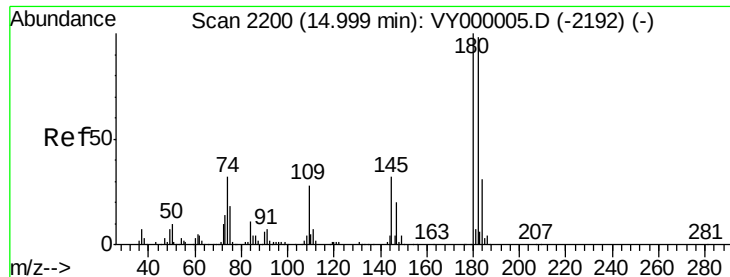
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.9	65.5
148	61.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.174 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.4	124.2
157	109.0	52.8	158.4

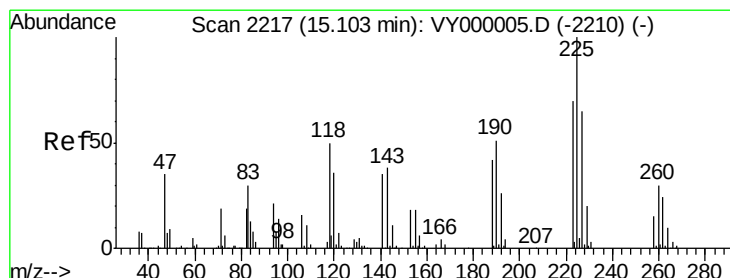
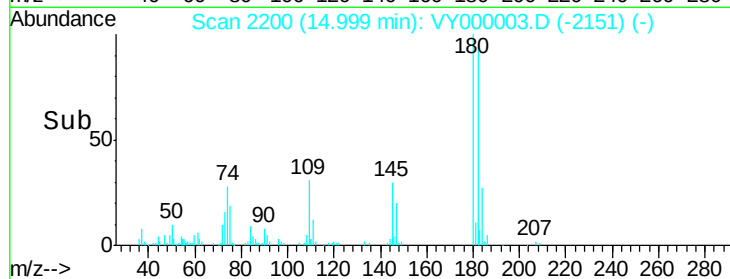
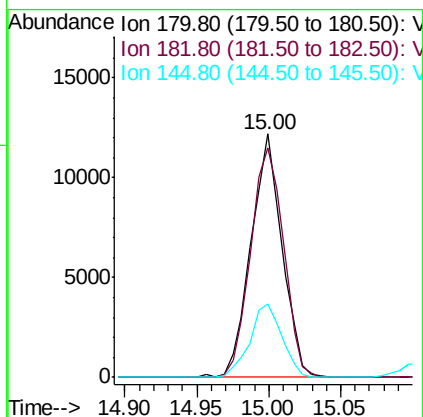
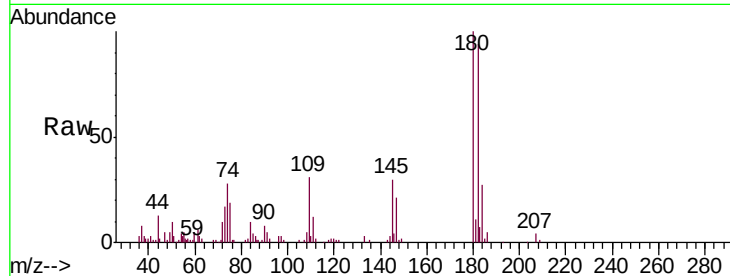




#93
 1,2,4-Trichlorobenzene
 Concen: 8.794 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

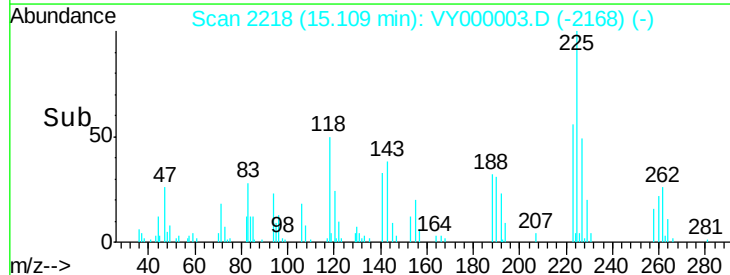
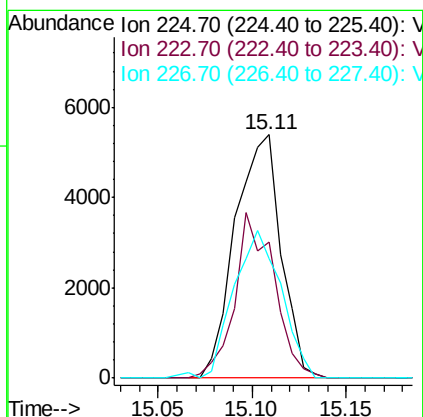
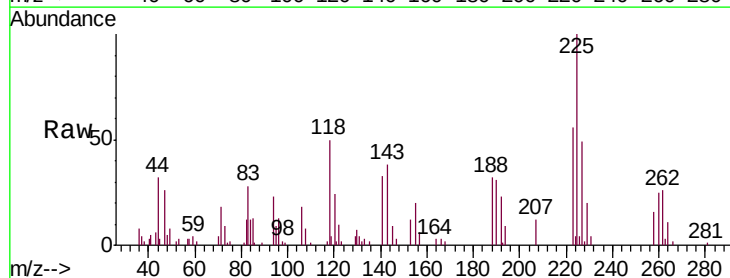
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

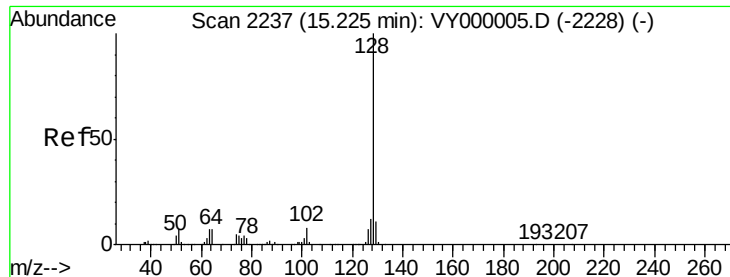
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.4	145.2
145	30.8	17.2	51.6



#94
 Hexachlorobutadiene
 Concen: 6.624 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000003.D
 Acq: 11 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.3	32.3	96.8
227	63.4	31.8	95.4

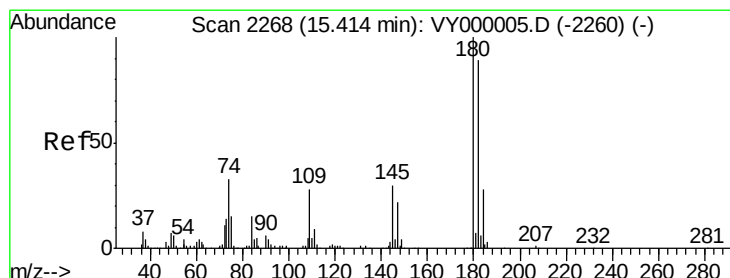
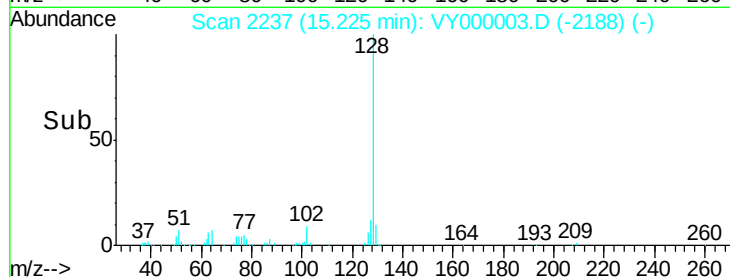
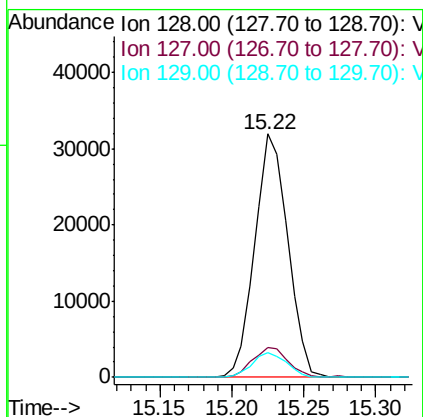
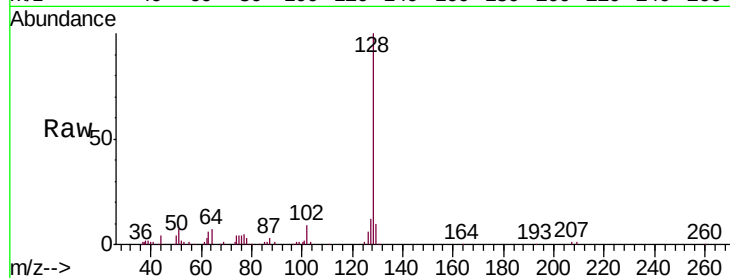




#95
Naphthalene
Concen: 12.260 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 50558
Ion Ratio Lower Upper
128 100
127 13.3 9.8 14.8
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 9.146 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.01 min
Lab File: VY000003.D
Acq: 11 Sep 2019 16:54

Tgt Ion:180 Resp: 16828
Ion Ratio Lower Upper
180 100
182 91.8 46.1 138.2
145 36.7 16.2 48.6

