

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000410.D
 Acq On : 24 Oct 2019 15:26
 Operator : SY/MD
 Sample : K5499-10
 Misc : 4.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 06:40:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	1507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	2078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	1388	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	252	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	735	46.24	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.48%	
35) Dibromofluoromethane	7.72	113	177	14.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	28.24%	
50) Toluene-d8	10.18	98	2498	51.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.47	95	396	21.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	43.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	135	7.331	ug/l #	43
4) Vinyl Chloride	2.10	62	51	2.744	ug/l #	43
6) Chloroethane	2.69	64	19	1.584	ug/l #	43
10) Methyl Iodide	4.11	142	22	2.164	ug/l #	41
13) Acrolein	3.76	56	45	23.072	ug/l #	15
15) Acrylonitrile	5.20	53	22	4.377	ug/l #	19
16) Acetone	3.94	43	316	61.384	ug/l #	42
18) Methyl Acetate	4.60	43	27	2.111	ug/l #	50
20) Methylene Chloride	4.88	84	19	Below Cal	#	6
25) 2-Butanone	6.84	43	30	4.137	ug/l #	48
27) cis-1,2-Dichloroethene	6.97	96	30	1.588	ug/l #	1
28) Bromochloromethane	7.58	49	30	2.400	ug/l #	15
29) Tetrahydrofuran	7.42	42	64	14.562	ug/l #	34
37) Ethyl Acetate	6.84	43	30	2.490	ug/l #	67
38) Carbon Tetrachloride	7.81	117	105	5.330	ug/l #	14
41) Methacrylonitrile	7.34	41	79	13.777	ug/l #	11
43) Isopropyl Acetate	8.48	43	30	1.310	ug/l #	53
45) 1,2-Dichloropropane	9.40	63	30	2.079	ug/l #	46
48) Methyl methacrylate	9.25	41	55	5.479	ug/l #	44
51) 4-Methyl-2-Pentanone	10.08	43	83	7.025	ug/l #	36
52) Toluene	10.35	92	59	1.581	ug/l #	1
53) t-1,3-Dichloropropene	10.22	75	42	2.062	ug/l #	42
59) 2-Hexanone	10.83	43	59	7.115	ug/l #	24
60) Dibromochloromethane	11.03	129	31	2.385	ug/l #	9
65) Chlorobenzene	11.52	112	34	1.161	ug/l #	43
67) Ethyl Benzene	11.60	91	189	3.481	ug/l #	43
68) m/p-Xylenes	11.70	106	79	3.806	ug/l #	7
73) Isopropylbenzene	12.33	105	332	16.896	ug/l #	48
76) 1,2,3-Trichloropropane	12.47	75	94	30.335	ug/l #	100
77) Bromobenzene	12.68	156	39	8.920	ug/l #	1
78) n-propylbenzene	12.67	91	171	7.248	ug/l #	53
79) 2-Chlorotoluene	12.86	91	82	6.294	ug/l #	81
80) 1,3,5-Trimethylbenzene	12.81	105	117	7.101	ug/l #	27
81) trans-1,4-Dichloro-2-buten	12.47	75	94	66.372	ug/l #	14

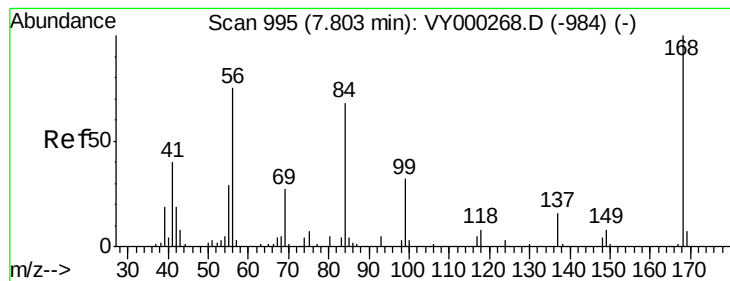
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.86	91	82	5.954	ug/l	81
84) 1,2,4-Trimethylbenzene	13.13	105	206	12.668	ug/l	86
85) sec-Butylbenzene	13.25	105	134	6.639	ug/l #	56
86) p-Isopropyltoluene	13.37	119	308	17.503	ug/l #	56
87) 1,3-Dichlorobenzene	13.36	146	25	2.902	ug/l #	1
88) 1,4-Dichlorobenzene	13.45	146	111	12.891	ug/l #	75
89) n-Butylbenzene	13.70	91	75	4.313	ug/l #	33
90) Hexachloroethane	14.22	117	19	5.831	ug/l #	13
91) 1,2-Dichlorobenzene	13.74	146	59	7.568	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.23	75	52	74.318	ug/l #	1
95) Naphthalene	15.23	128	144	11.888	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.42	180	31	6.337	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

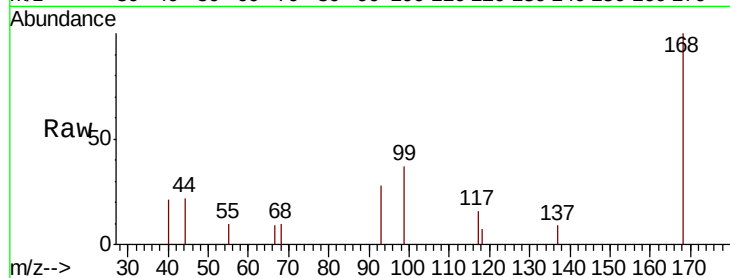
ClientSampled :

Tot Ion:168 Resp: 1507

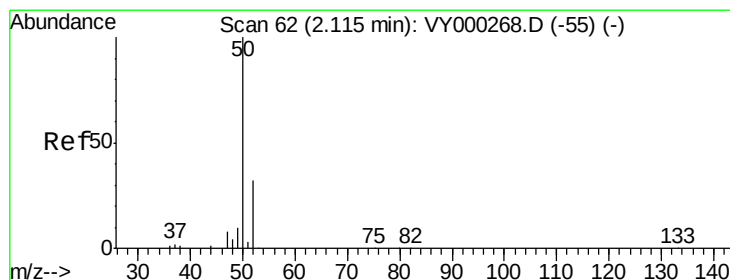
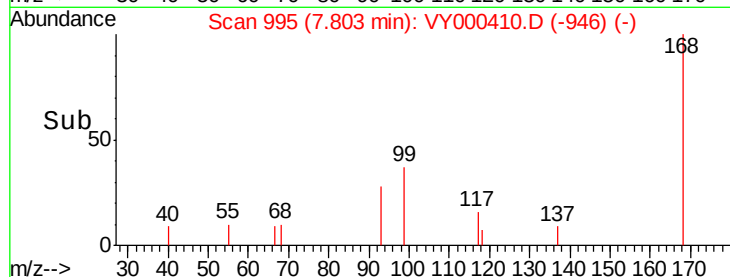
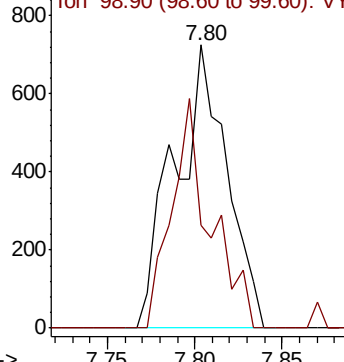
Ion Ratio Lower Upper

168 100

99 36.6 46.6 69.8#



Abundance Ion 167.90 (167.60 to 168.60): VY000410.D (-946) (-)



#3

Chloromethane

Concen: 7.331 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000410.D

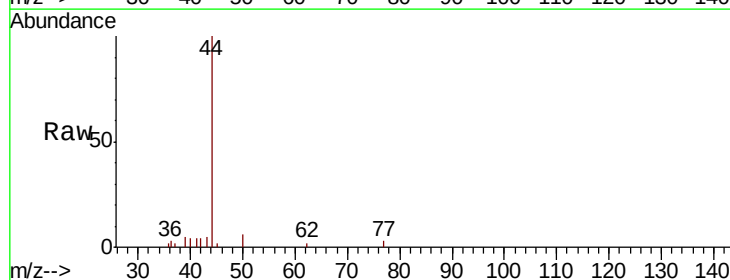
Acq: 24 Oct 2019 15:26

Tgt Ion: 50 Resp: 135

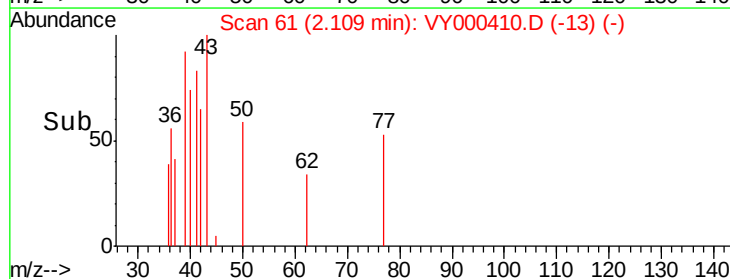
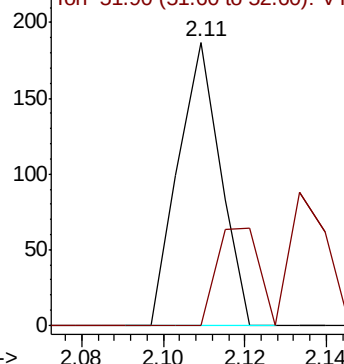
Ion Ratio Lower Upper

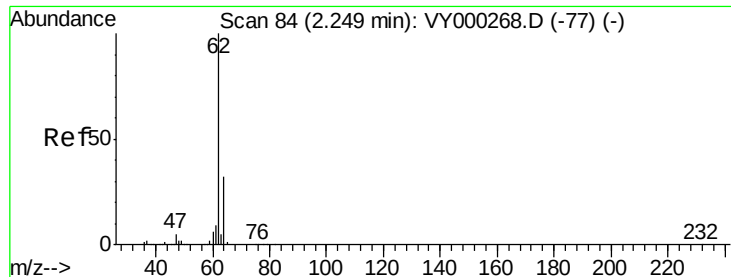
50 100

52 0.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000410.D (-13) (-)





#4

Vinyl Chloride

Concen: 2.744 ug/l

RT: 2.10 min Scan# 60

Delta R.T. -0.15 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

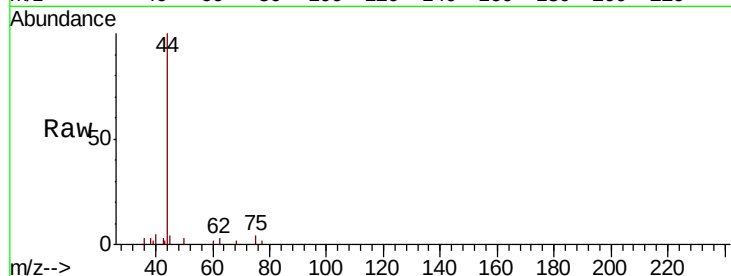
ClientSampleId :

Tot Ion: 62 Resp: 51

Ion Ratio Lower Upper

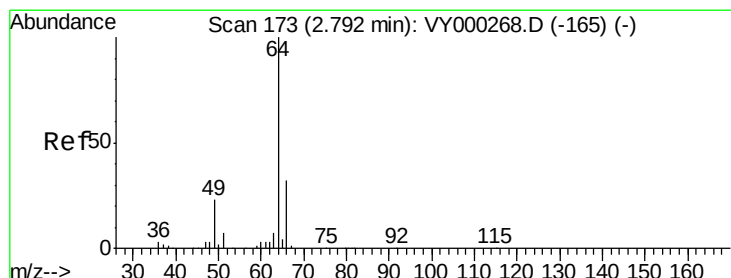
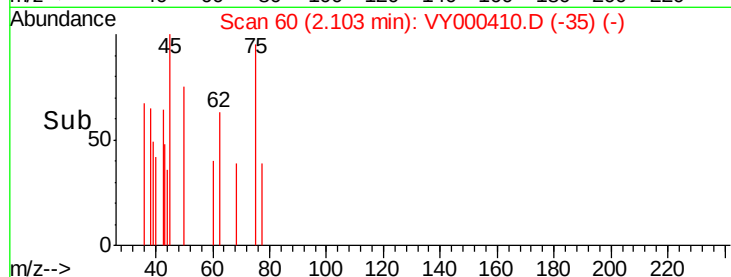
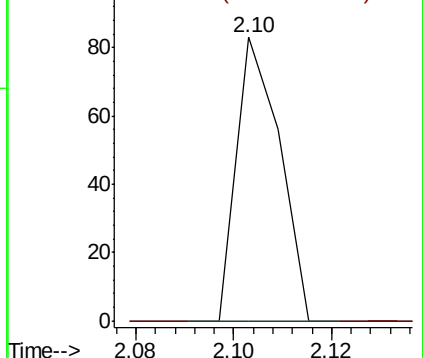
62 100

64 0.0 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



#6

Chloroethane

Concen: 1.584 ug/l

RT: 2.69 min Scan# 157

Delta R.T. -0.10 min

Lab File: VY000410.D

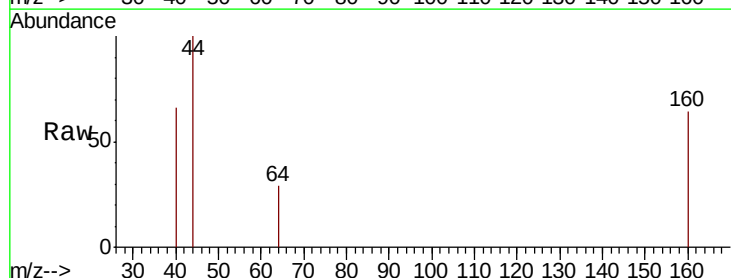
Acq: 24 Oct 2019 15:26

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

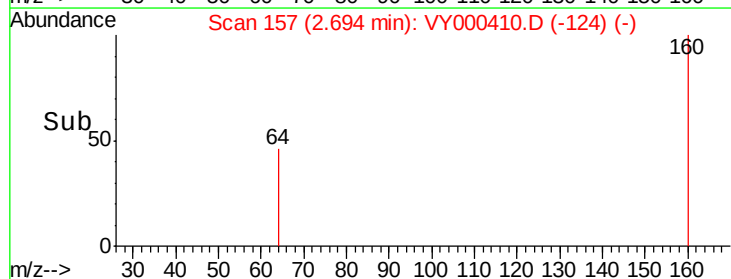
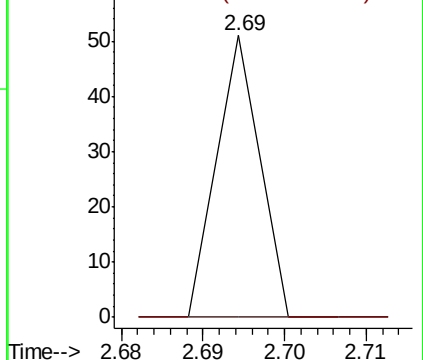
64 100

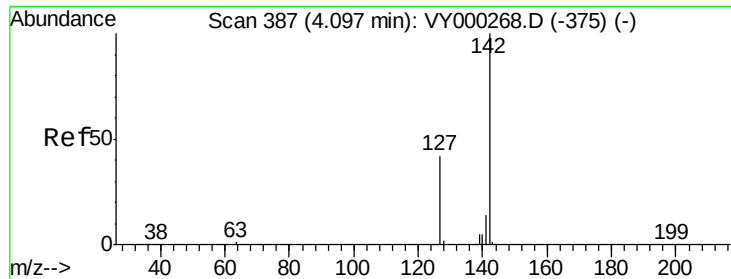
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

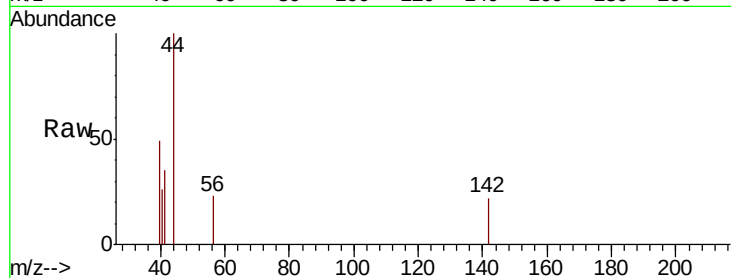




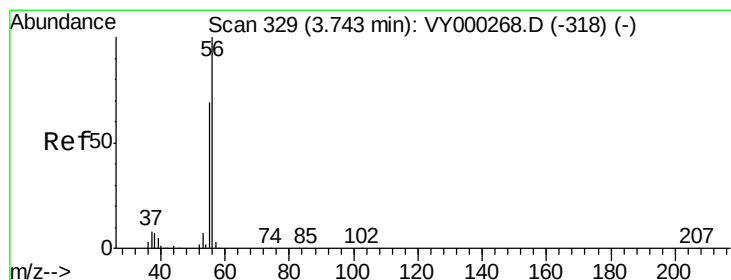
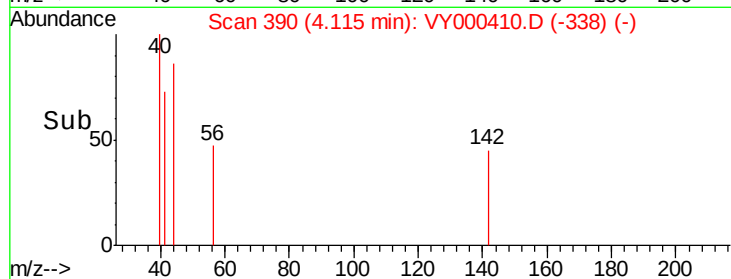
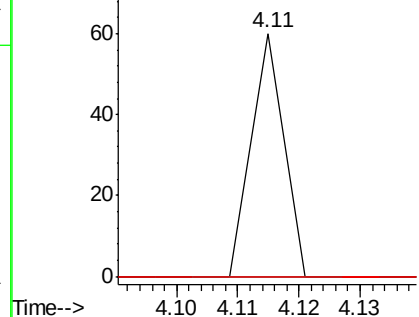
#10
Methyl Iodide
Concen: 2.164 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.9	50.9#
141	0.0	11.2	16.8#

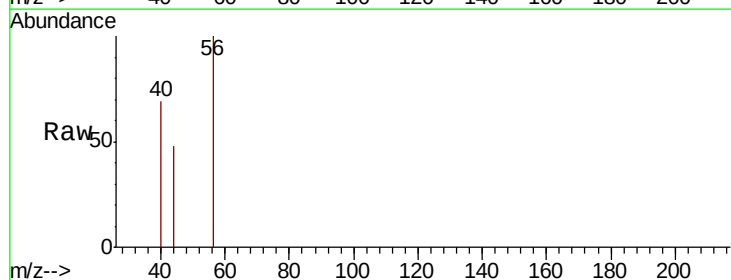


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

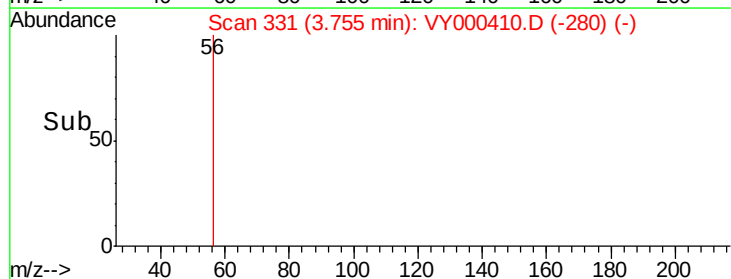
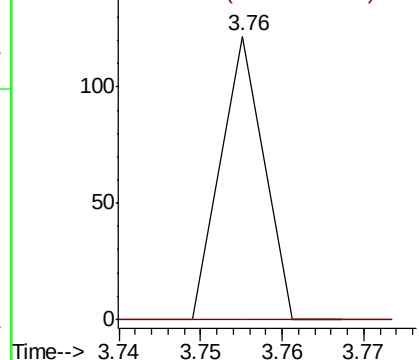


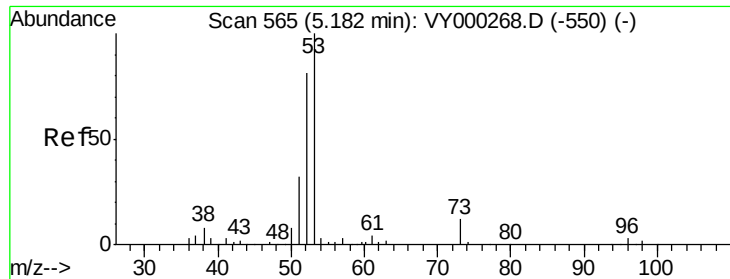
#13
Acrolein
Concen: 23.072 ug/l
RT: 3.76 min Scan# 331
Delta R.T. 0.01 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Tgt Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.7	83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0





#15

Acrylonitrile

Concen: 4.377 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.02 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampleId :

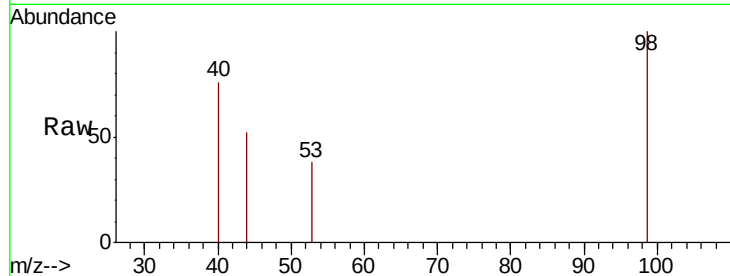
Tot Ion: 53 Resp: 22

Ion Ratio Lower Upper

53 100

52 0.0 62.9 94.3#

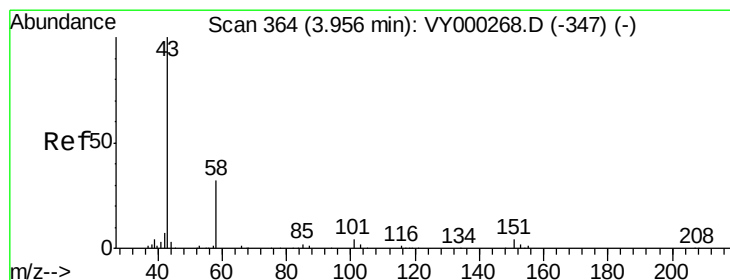
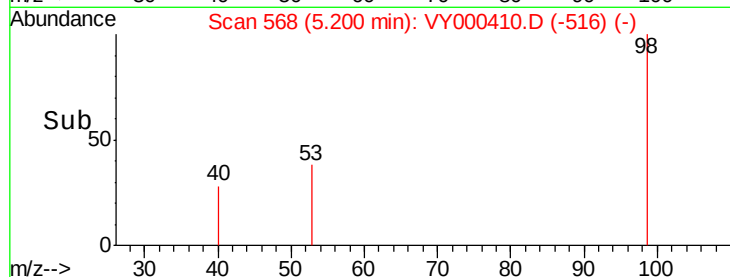
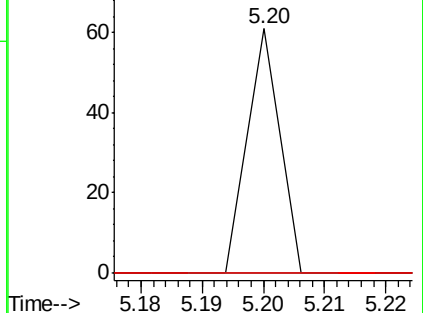
51 0.0 26.9 40.3#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 61.384 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000410.D

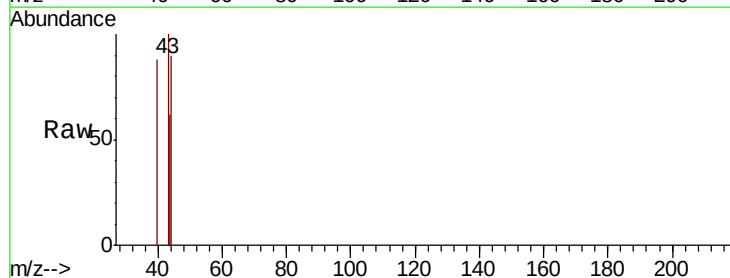
Acq: 24 Oct 2019 15:26

Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

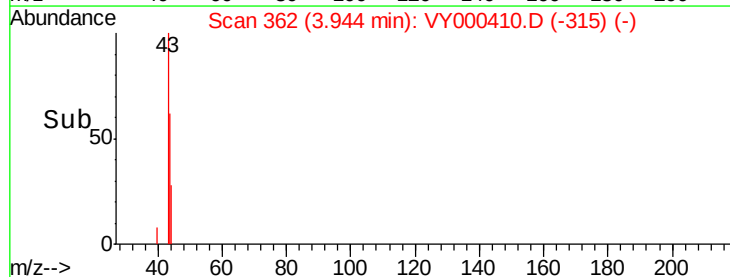
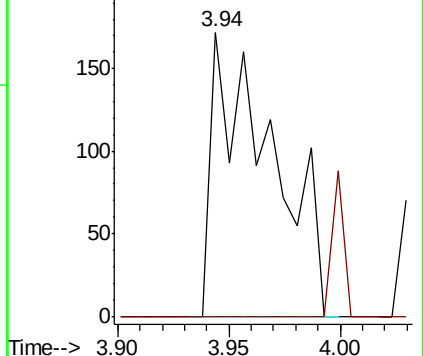
43 100

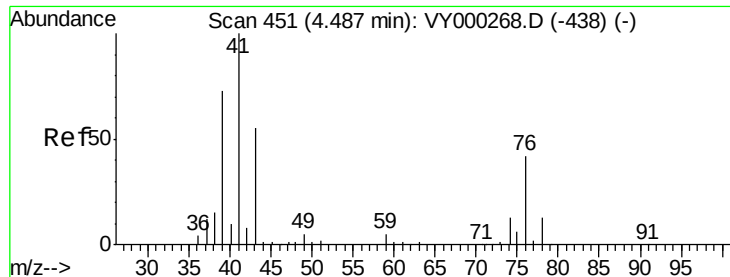
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

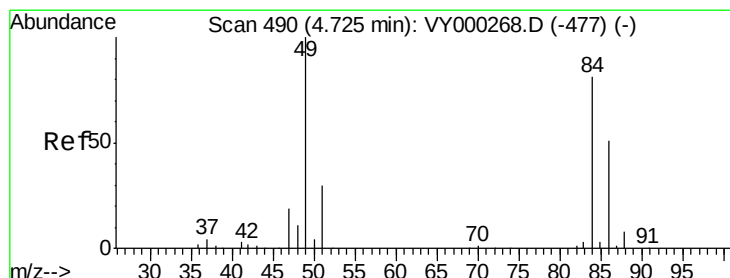
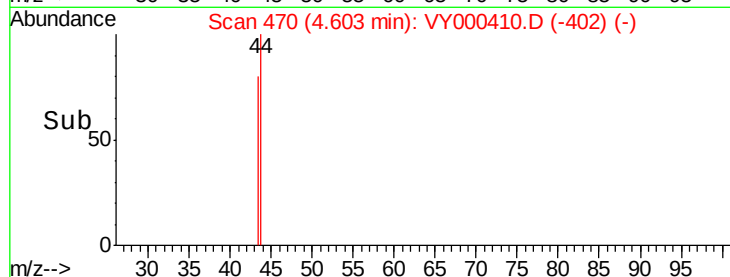
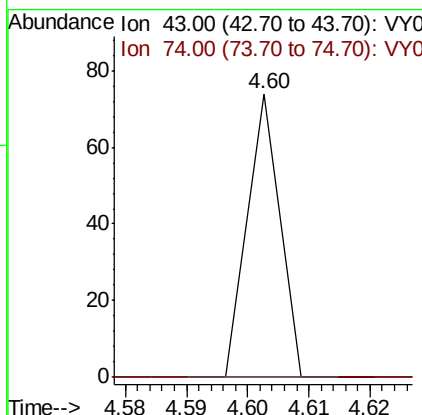
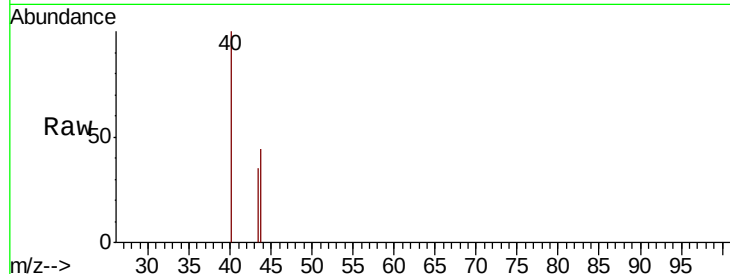




#18
Methyl Acetate
Concen: 2.111 ug/l
RT: 4.60 min Scan# 470
Delta R.T. 0.12 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

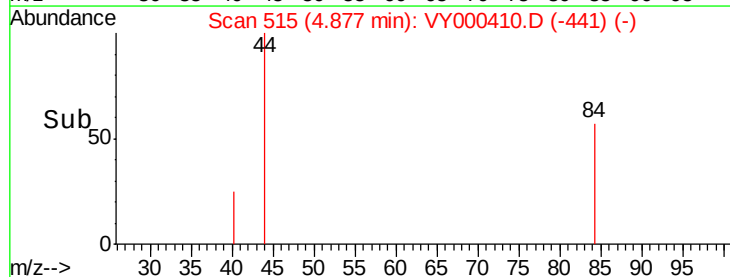
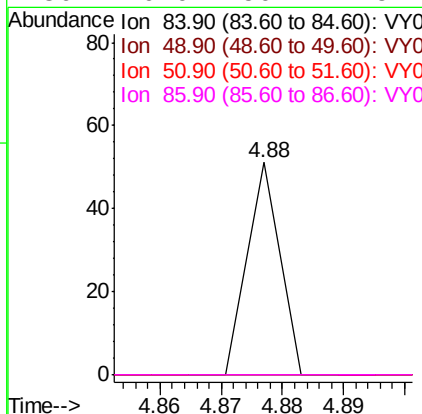
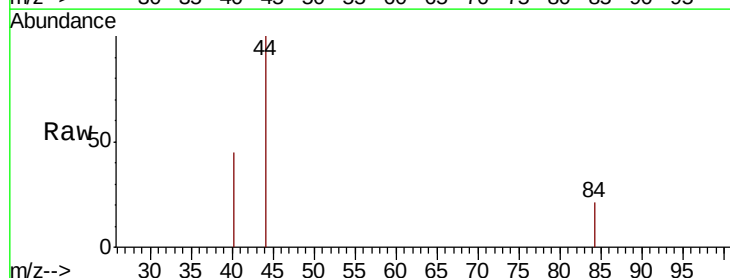
Instrument :
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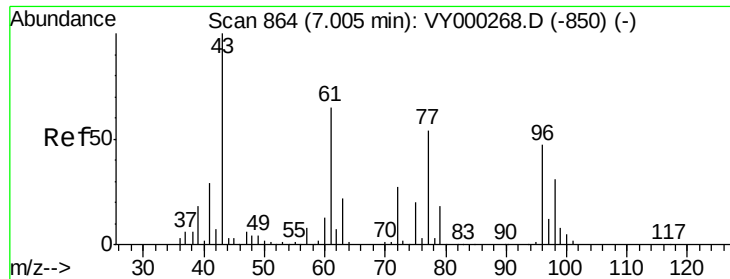
Tot Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
74 0.0 20.4 30.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.88 min Scan# 515
Delta R.T. 0.15 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 84 Resp: 19
Ion Ratio Lower Upper
84 100
49 0.0 99.0 148.4#
51 0.0 29.3 43.9#
86 0.0 50.2 75.4#





#25

2-Butanone

Concen: 4.137 ug/l

RT: 6.84 min Scan# 837

Delta R.T. -0.16 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

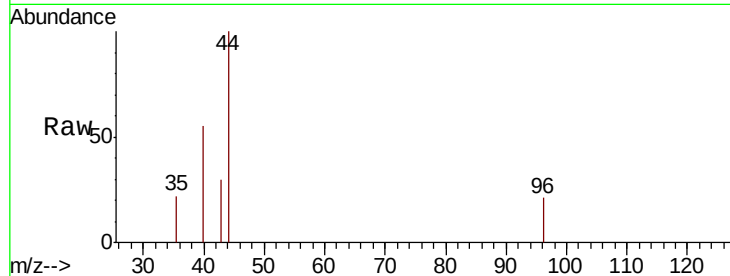
ClientSampleId :

Tot Ion: 43 Resp: 30

Ion Ratio Lower Upper

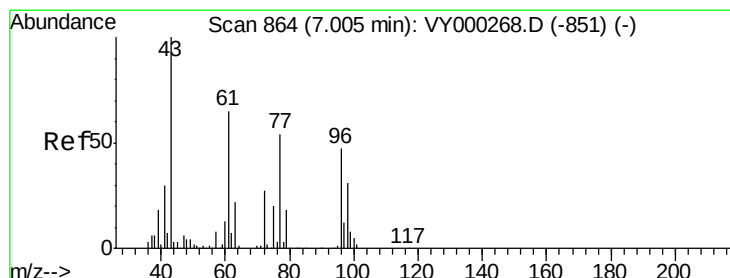
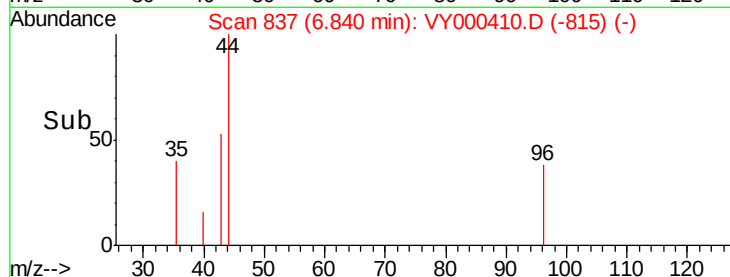
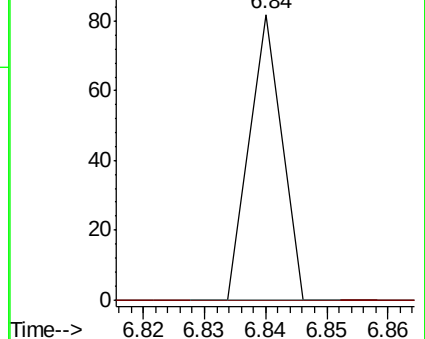
43 100

72 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 1.588 ug/l

RT: 6.97 min Scan# 859

Delta R.T. -0.03 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

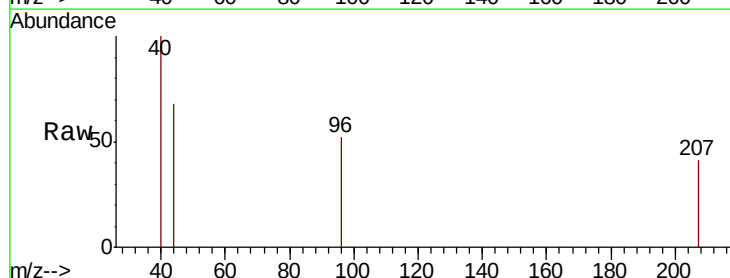
Tgt Ion: 96 Resp: 30

Ion Ratio Lower Upper

96 100

61 0.0 0.0 289.8

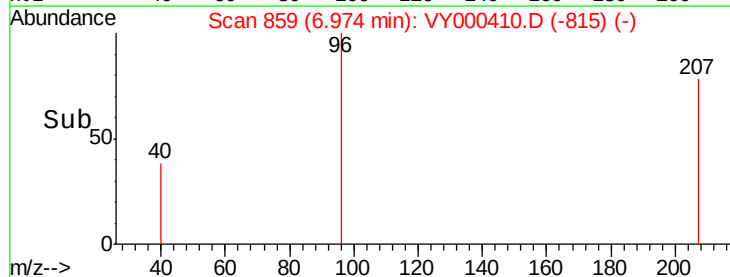
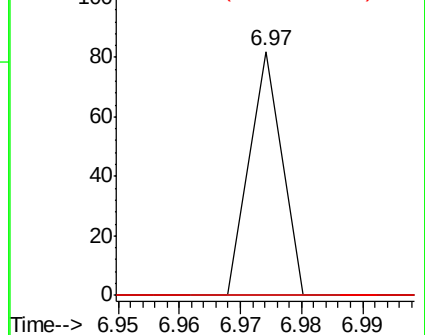
98 0.0 0.0 131.8

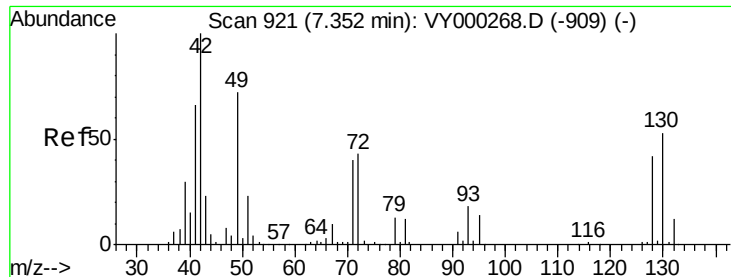


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#28

Bromochloromethane

Concen: 2.400 ug/l

RT: 7.58 min Scan# 959

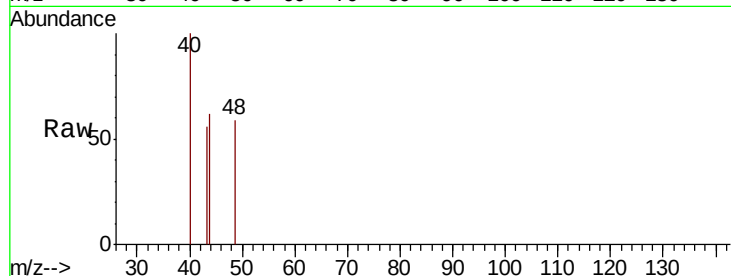
Delta R.T. 0.23 min

Lab File: VY000410.D

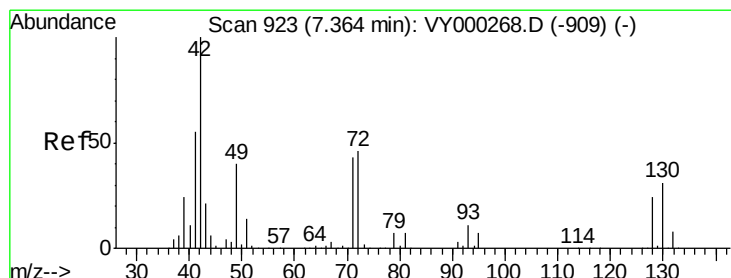
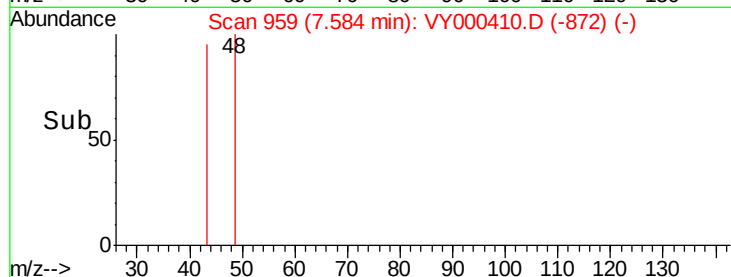
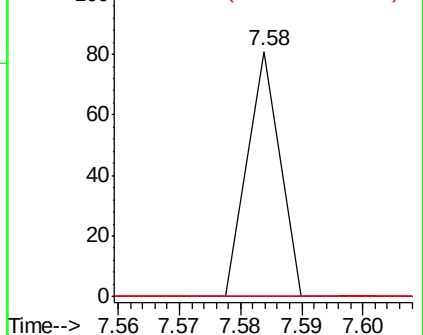
Acq: 24 Oct 2019 15:26

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 30
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



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: 14.562 ug/l

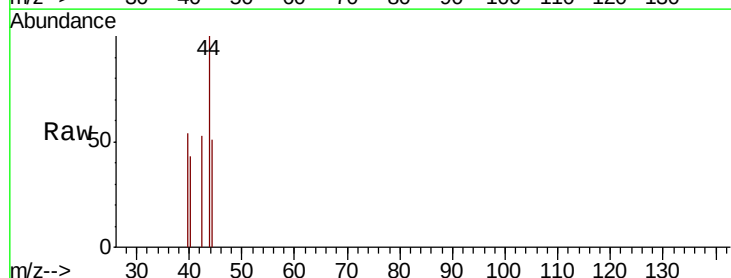
RT: 7.42 min Scan# 932

Delta R.T. 0.05 min

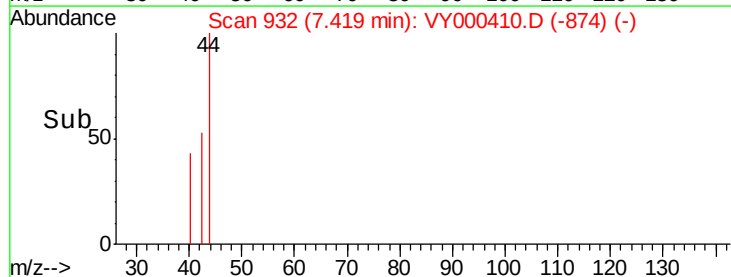
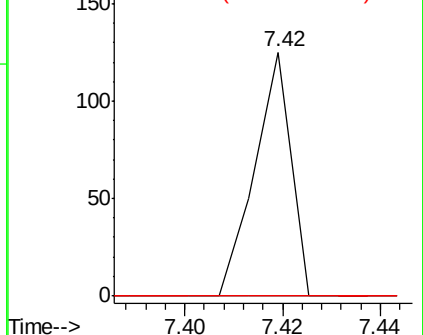
Lab File: VY000410.D

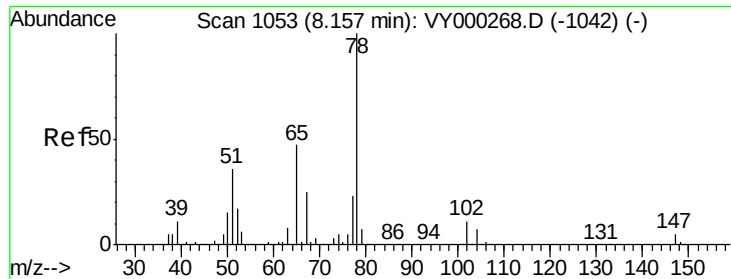
Acq: 24 Oct 2019 15:26

Tgt Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 0.0 32.7 49.1#



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

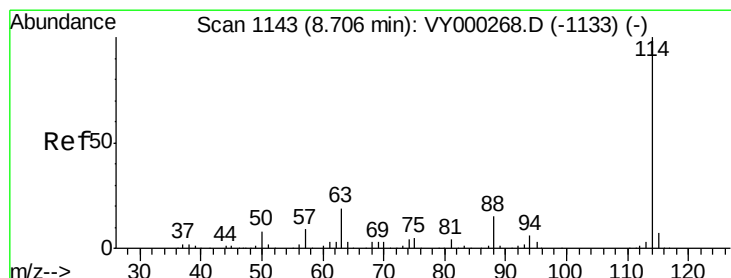
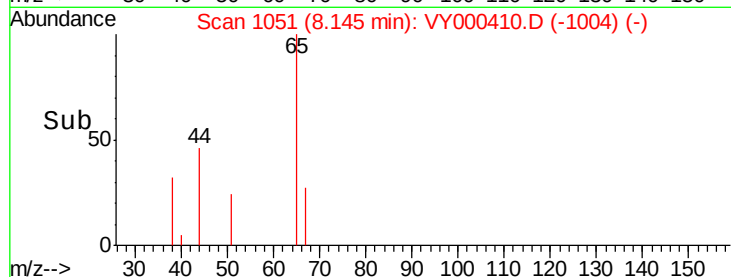
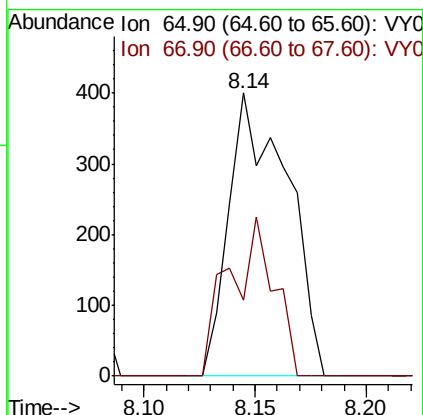
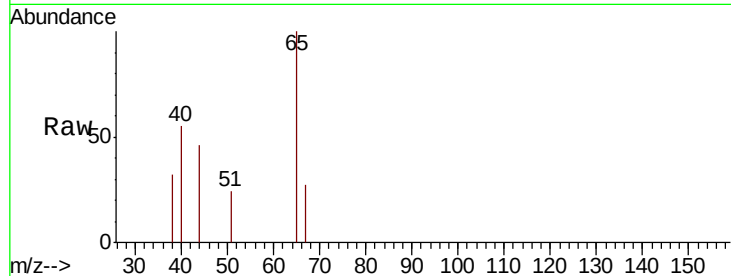




#33
 1,2-Dichloroethane-d4
 Concen: 46.237 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

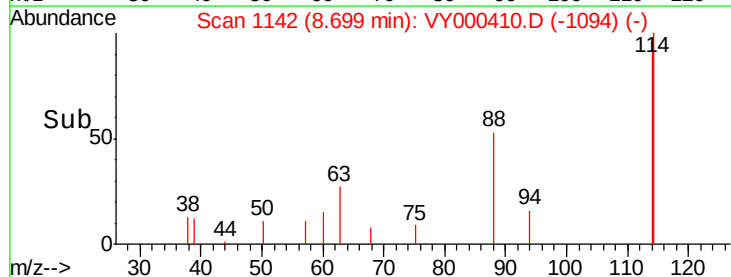
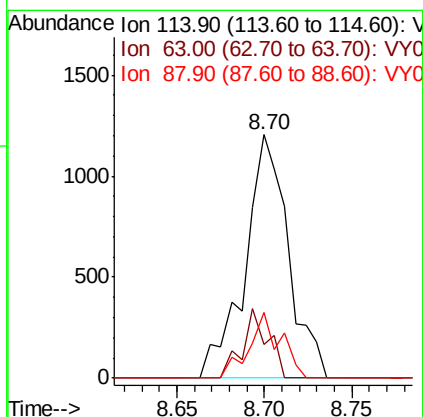
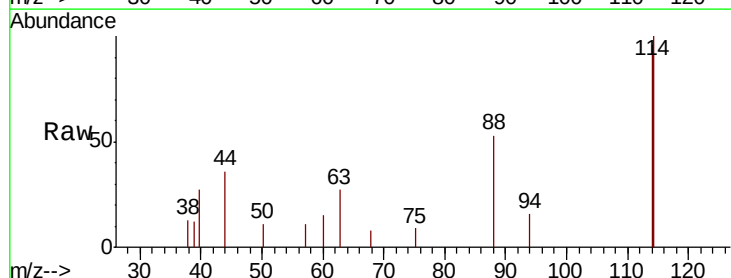
Instrument :
 MSVOA_Y
 ClientSampled :

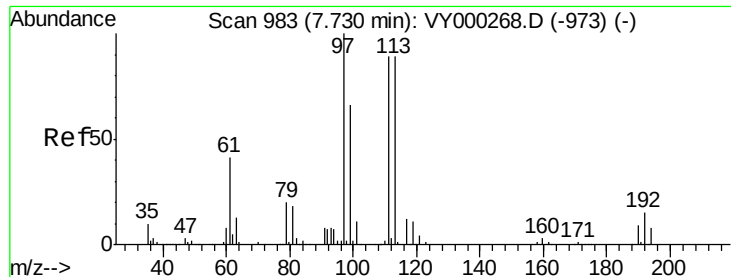
Tot Ion: 65 Resp: 735
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 114 Resp: 2078
 Ion Ratio Lower Upper
 114 100
 63 13.8 0.0 37.2
 88 27.2 0.0 30.2

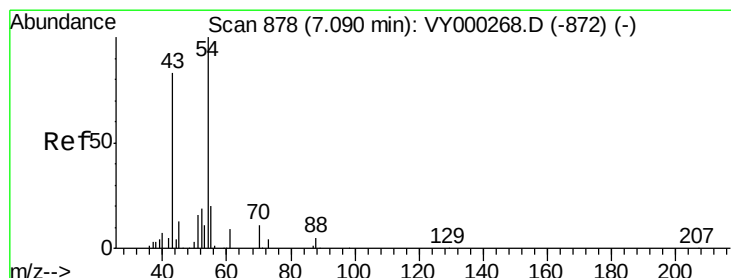
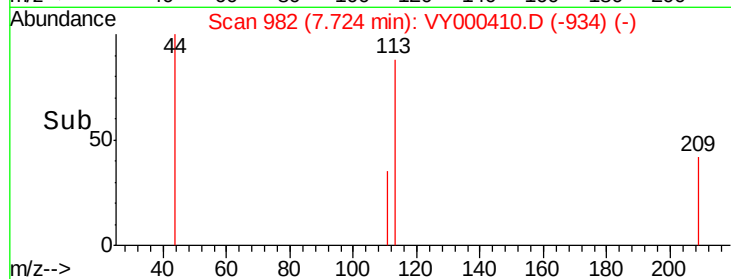
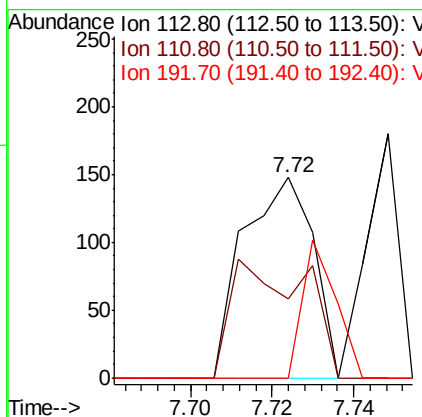
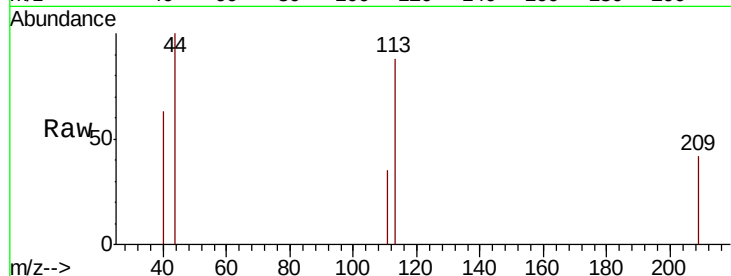




#35
 Dibromofluoromethane
 Concen: 14.121 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

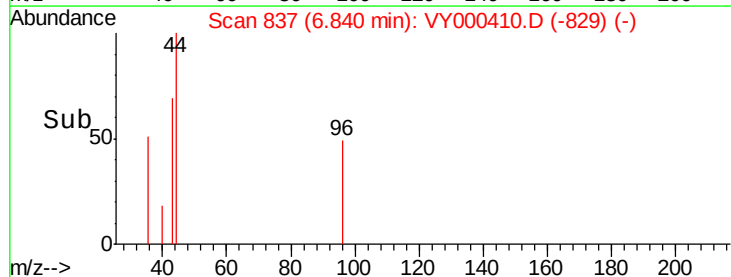
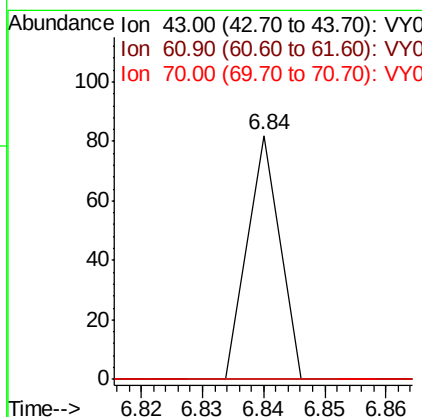
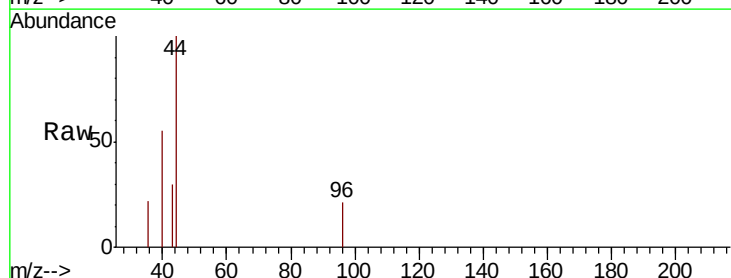
Instrument :
 MSVOA_Y
 ClientSampleId :

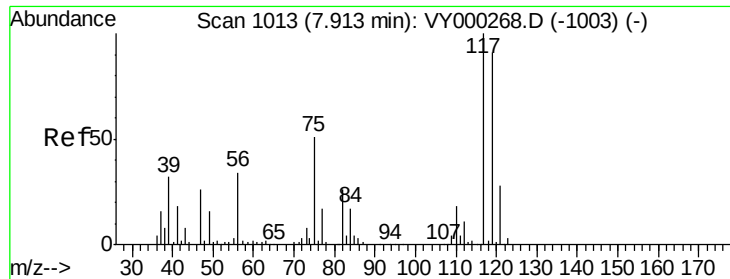
Tot Ion:113 Resp: 177
 Ion Ratio Lower Upper
 113 100
 111 61.6 81.6 122.4#
 192 32.2 15.3 22.9#



#37
 Ethyl Acetate
 Concen: 2.490 ug/l
 RT: 6.84 min Scan# 837
 Delta R.T. -0.25 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 43 Resp: 30
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.7 13.1#

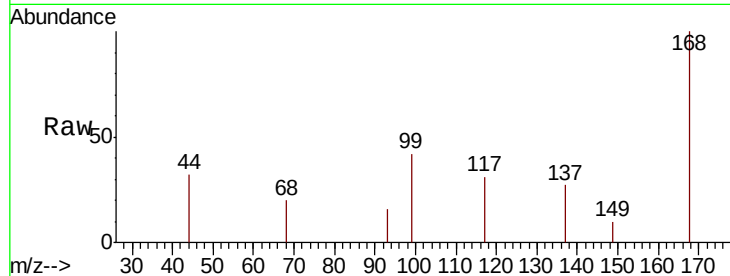




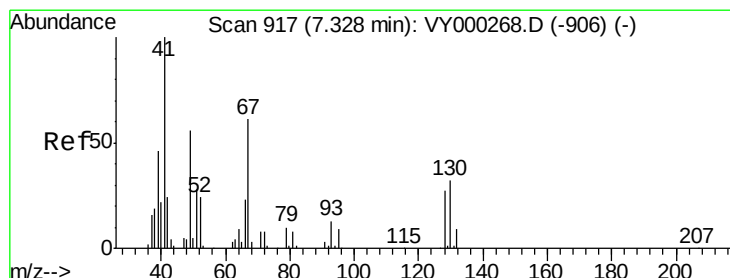
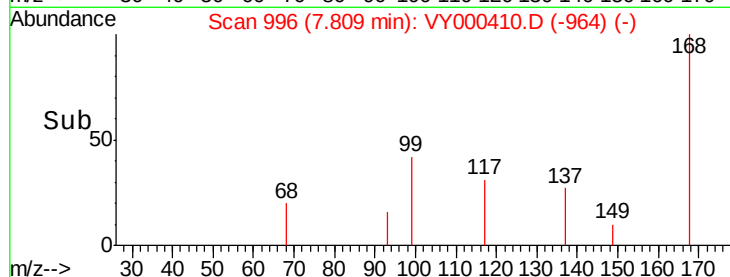
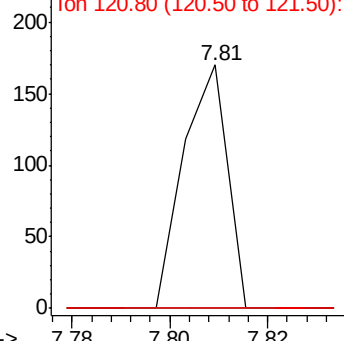
#38
Carbon Tetrachloride
Concen: 5.330 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 105
Ion Ratio Lower Upper
117 100
119 0.0 72.8 109.2#
121 0.0 22.2 33.2#

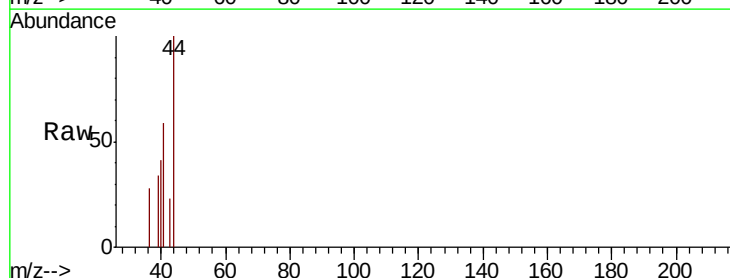


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

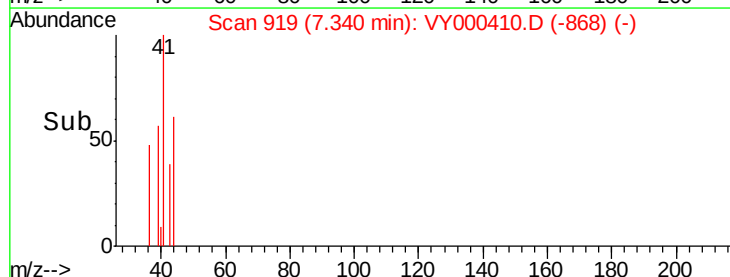
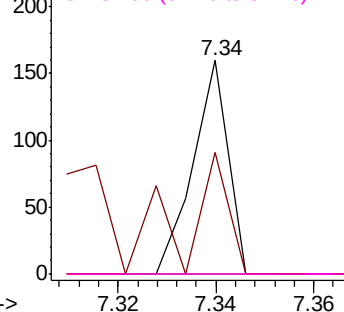


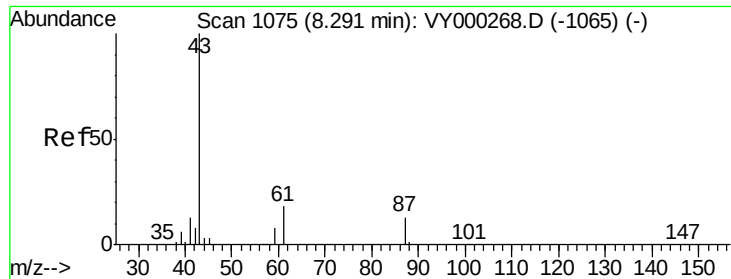
#41
Methacrylonitrile
Concen: 13.777 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.01 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
39 30.4 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



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





#43

Isopropyl Acetate

Concen: 1.310 ug/l

RT: 8.48 min Scan# 1106

Delta R.T. 0.19 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampled :

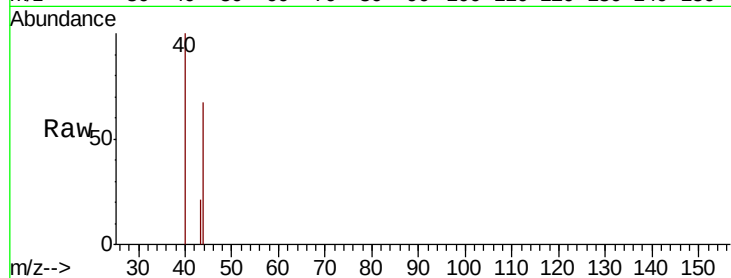
Tot Ion: 43 Resp: 30

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

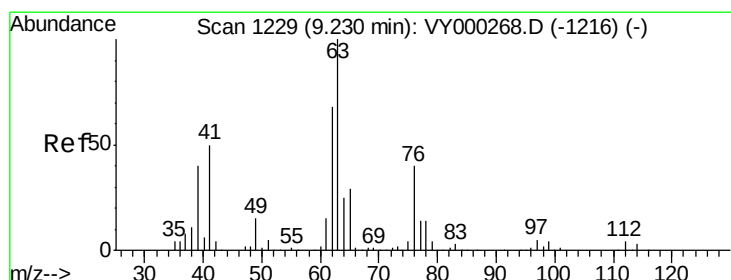
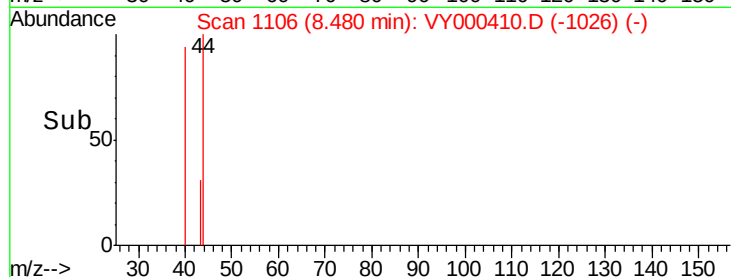
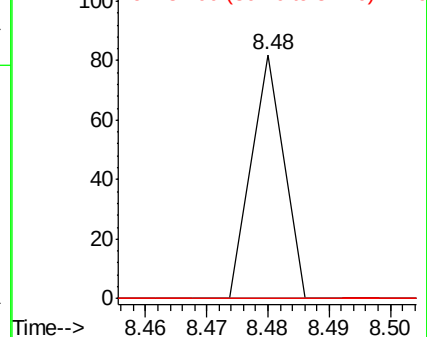
87 0.0 10.9 16.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#45

1,2-Dichloropropane

Concen: 2.079 ug/l

RT: 9.40 min Scan# 1257

Delta R.T. 0.17 min

Lab File: VY000410.D

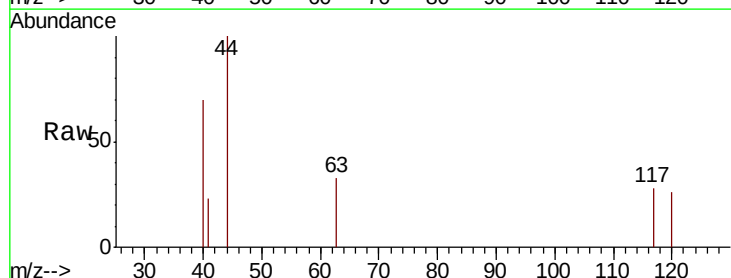
Acq: 24 Oct 2019 15:26

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

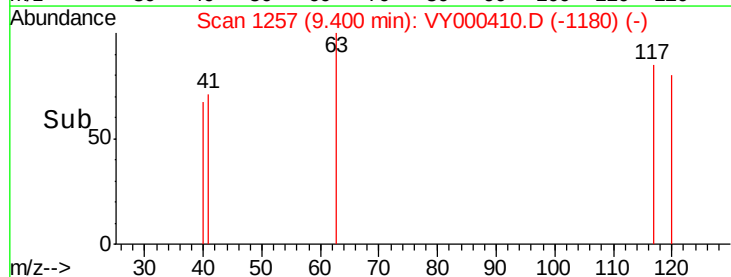
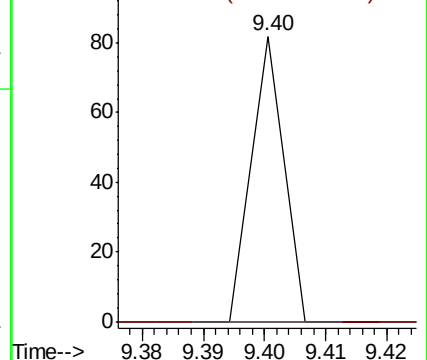
63 100

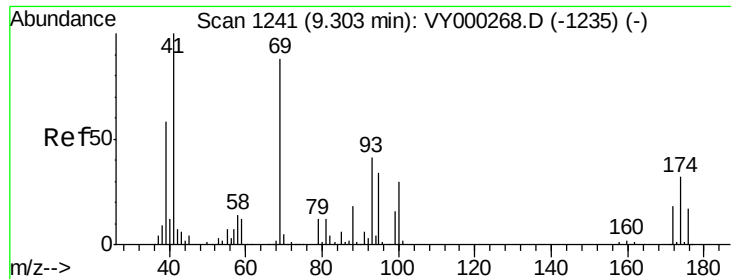
65 0.0 23.2 34.8#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0





#48

Methyl methacrylate

Concen: 5.479 ug/l

RT: 9.25 min Scan# 1233

Delta R.T. -0.05 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampled :

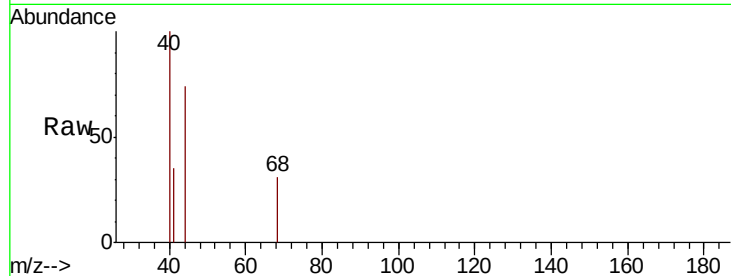
Tot Ion: 41 Resp: 55

Ion Ratio Lower Upper

41 100

69 0.0 70.0 105.0#

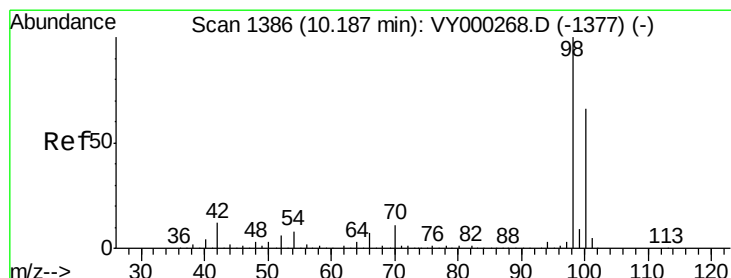
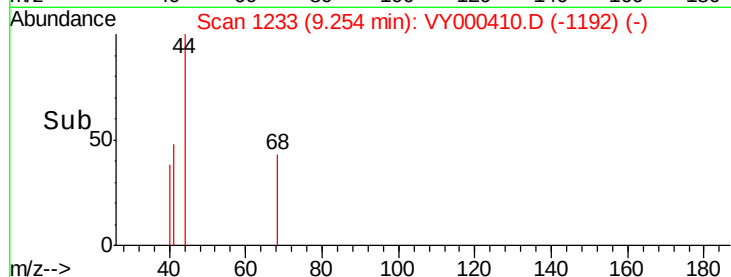
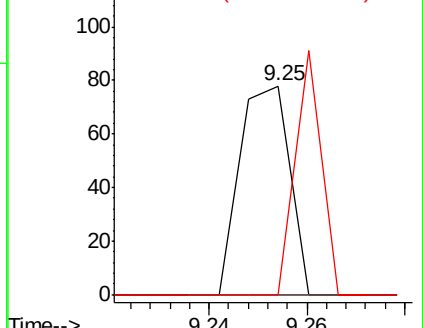
39 60.0 47.7 71.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0



#50

Toluene-d8

Concen: 51.807 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000410.D

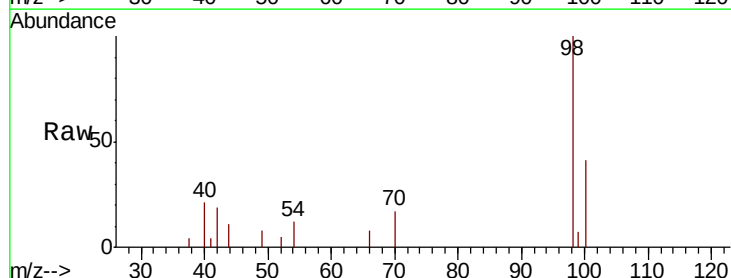
Acq: 24 Oct 2019 15:26

Tgt Ion: 98 Resp: 2498

Ion Ratio Lower Upper

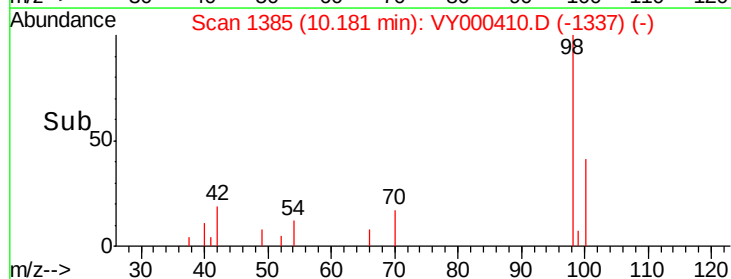
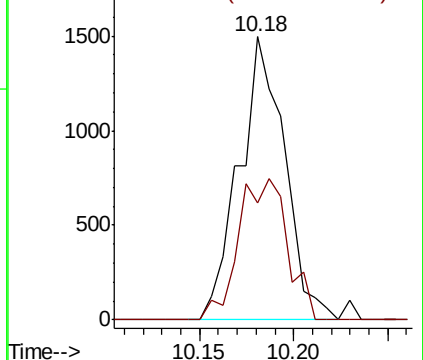
98 100

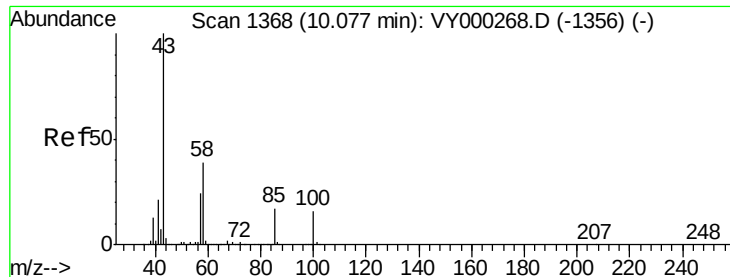
100 53.6 52.8 79.2



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: 7.025 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

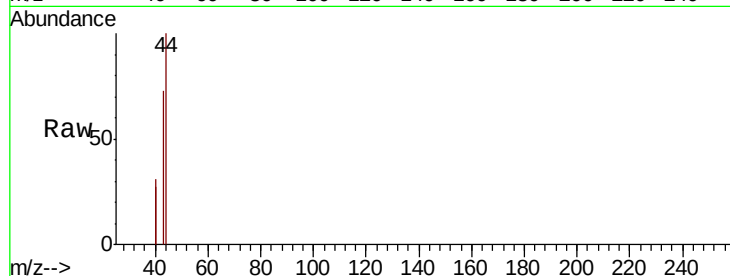
ClientSampleId :

Tot Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000410.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VY000410.D (-1356) (-)

10.08

150

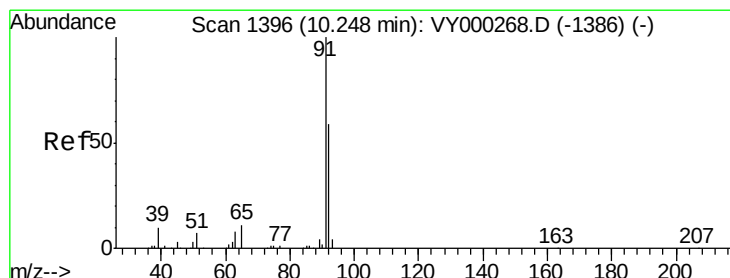
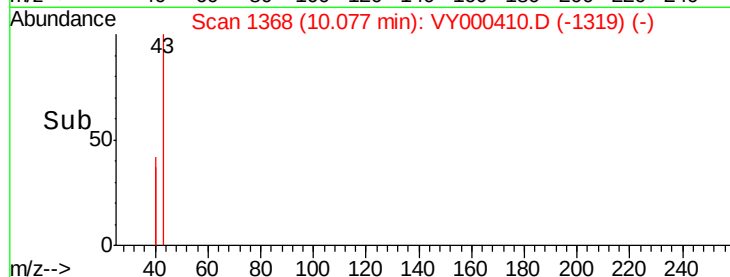
100

50

0

10.06 10.08

Time-->



#52

Toluene

Concen: 1.581 ug/l

RT: 10.35 min Scan# 1412

Delta R.T. 0.10 min

Lab File: VY000410.D

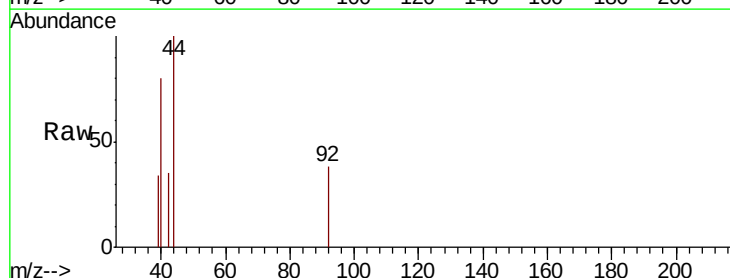
Acq: 24 Oct 2019 15:26

Tgt Ion: 92 Resp: 59

Ion Ratio Lower Upper

92 100

91 0.0 136.6 205.0#



Abundance Ion 92.00 (91.70 to 92.70): VY000410.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY000410.D (-1386) (-)

10.35

100

80

60

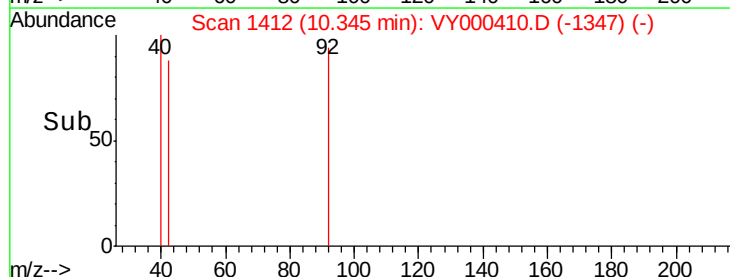
40

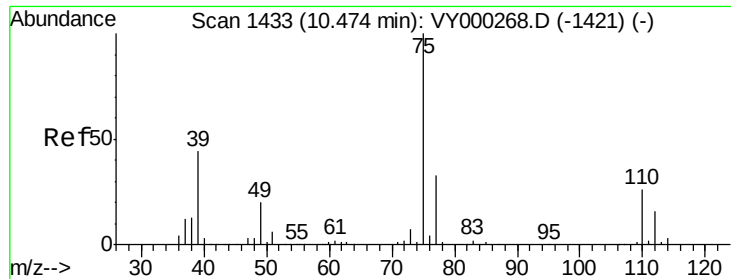
20

0

10.32 10.34 10.36

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.062 ug/l

RT: 10.22 min Scan# 1392

Delta R.T. -0.25 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

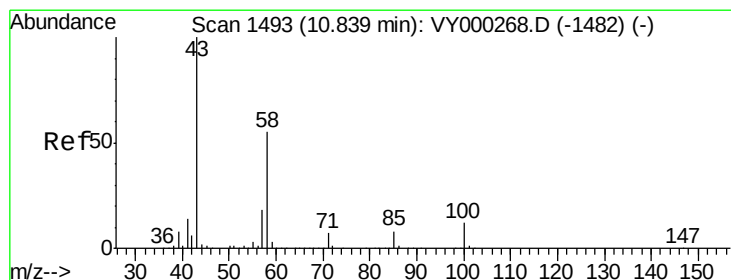
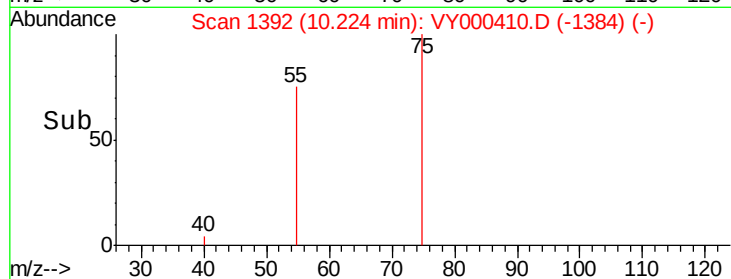
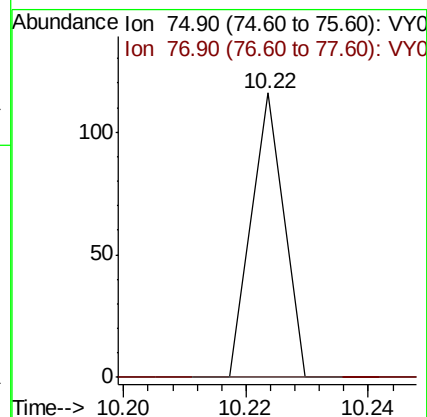
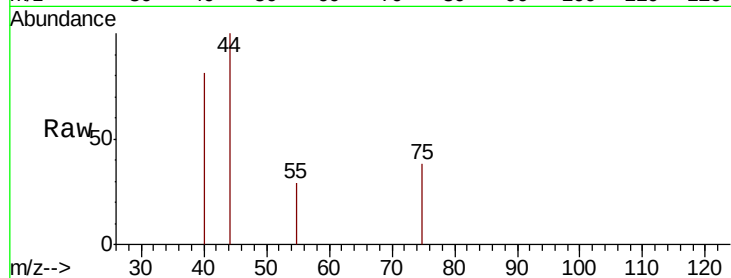
ClientSampleId :

Tot Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 7.115 ug/l

RT: 10.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VY000410.D

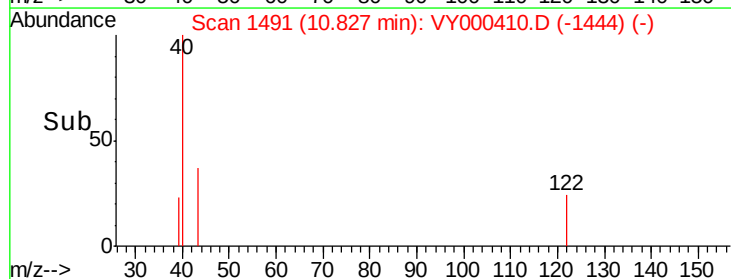
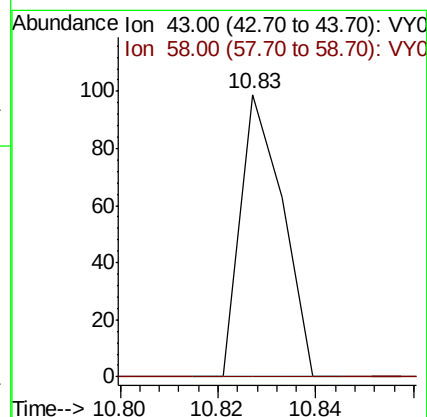
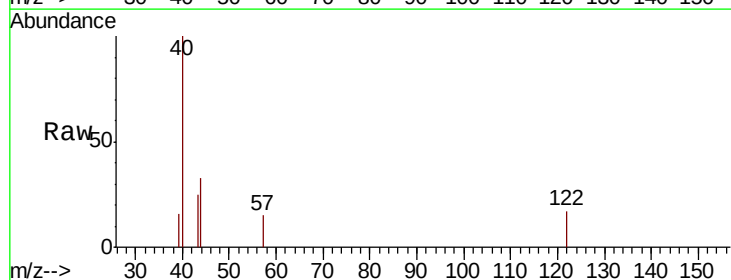
Acq: 24 Oct 2019 15:26

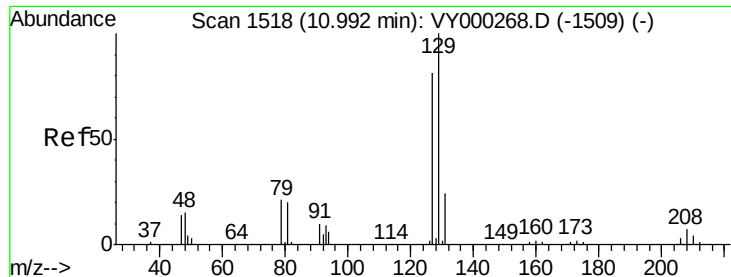
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

58 0.0 27.7 83.1#

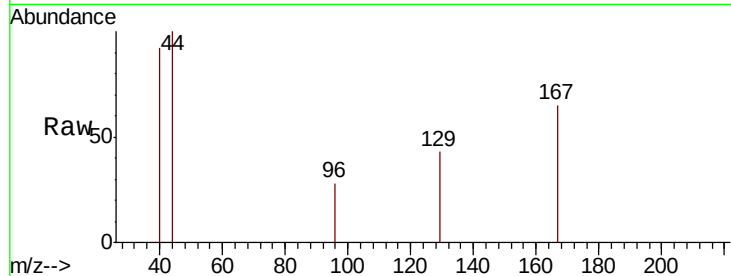




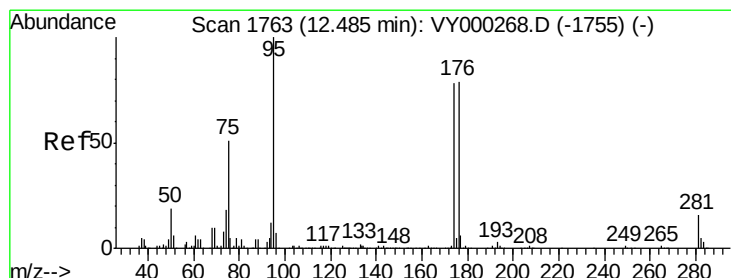
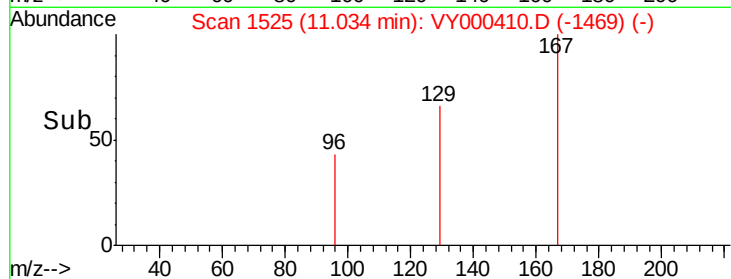
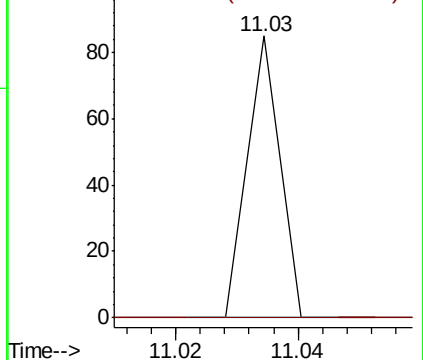
#60
 Dibromochloromethane
 Concen: 2.385 ug/l
 RT: 11.03 min Scan# 1525
 Delta R.T. 0.04 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 129 Resp: 31
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.9 119.7#

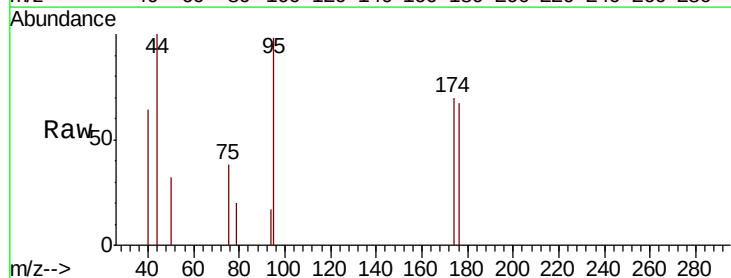


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

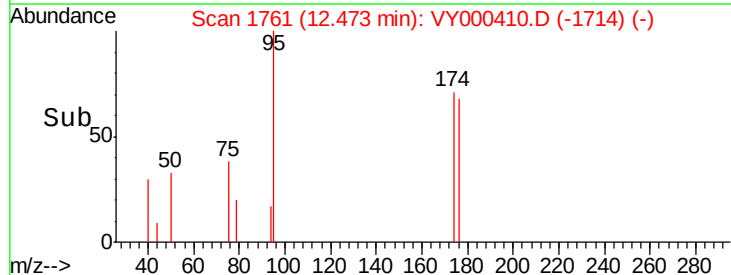
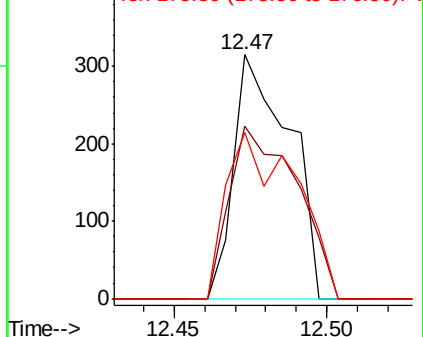


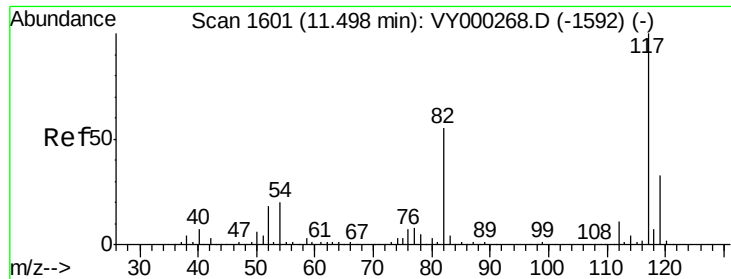
#62
 4-Bromofluorobenzene
 Concen: 21.618 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 95 Resp: 396
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 159.6
 176 85.6 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampleId :

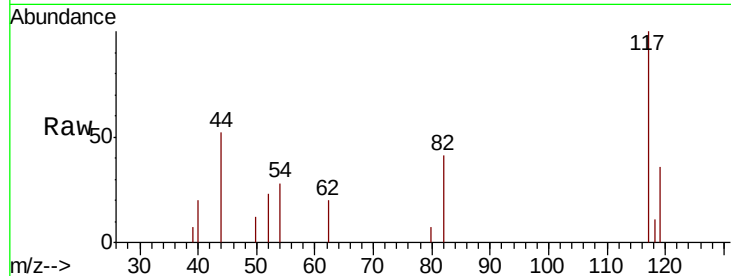
Tot Ion:117 Resp: 1388

Ion Ratio Lower Upper

117 100

82 41.1 43.7 65.5#

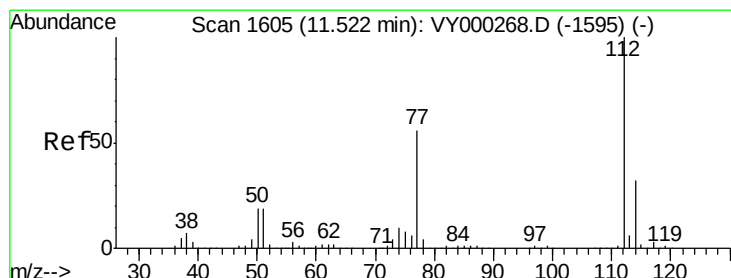
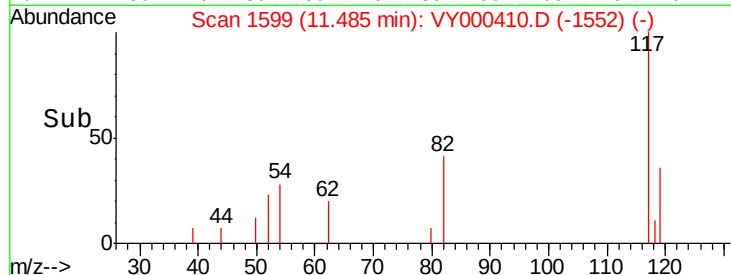
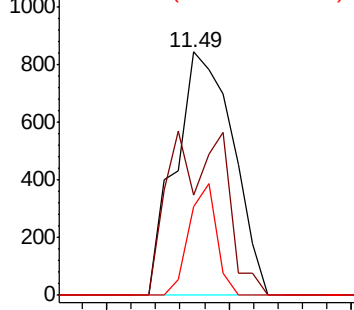
119 36.3 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 1.161 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY000410.D

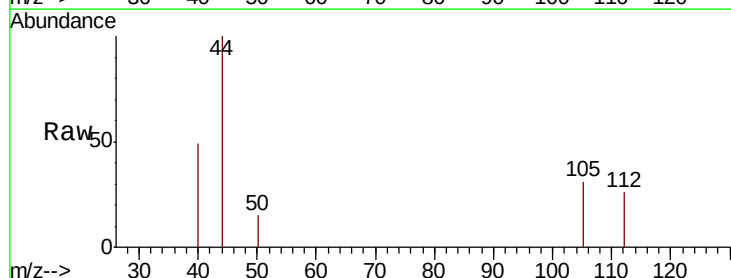
Acq: 24 Oct 2019 15:26

Tgt Ion:112 Resp: 34

Ion Ratio Lower Upper

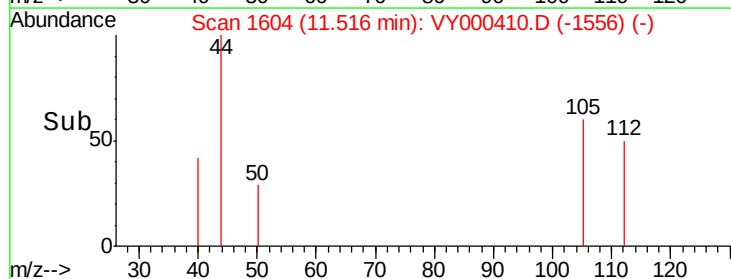
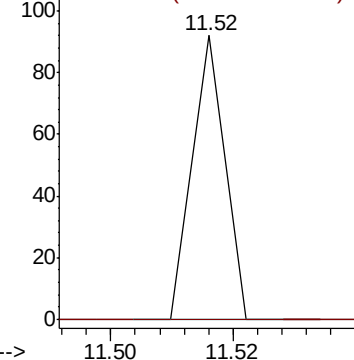
112 100

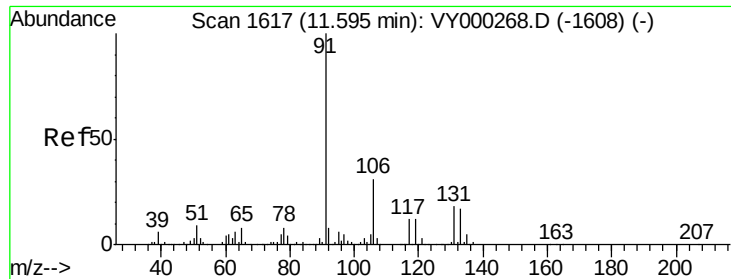
114 0.0 25.7 38.5#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

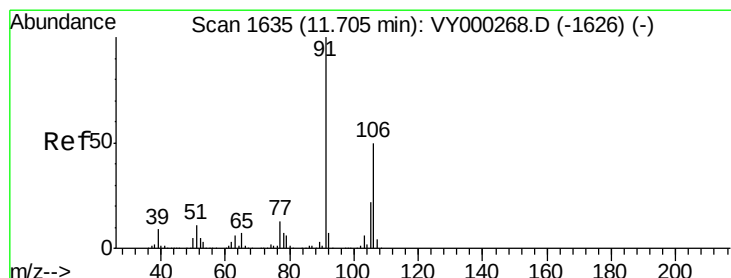
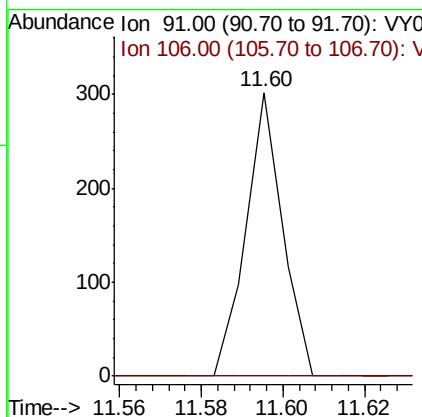
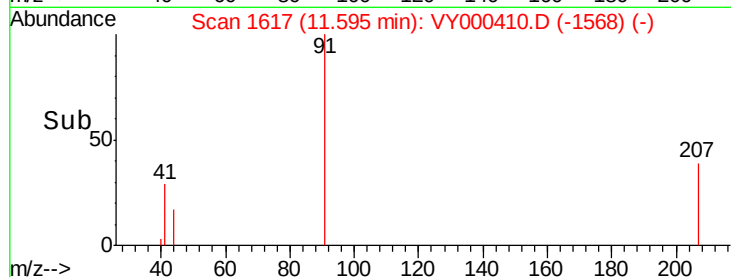
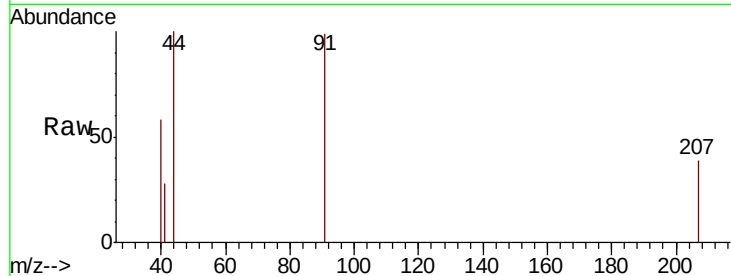




#67
Ethyl Benzene
Concen: 3.481 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

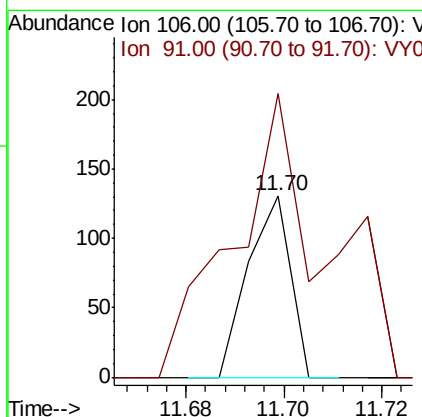
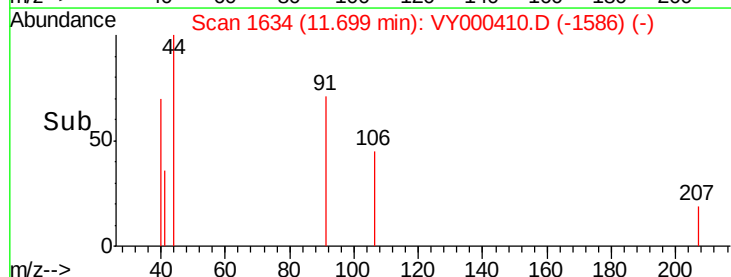
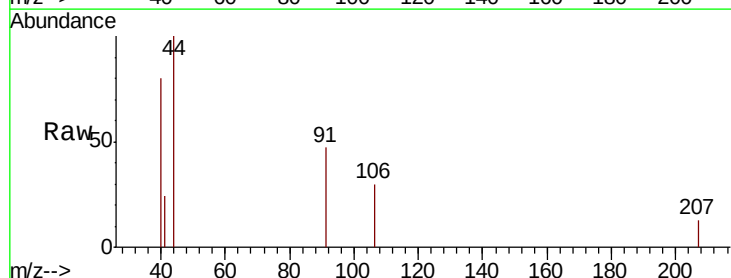
Instrument :
MSVOA_Y
ClientSampleId :

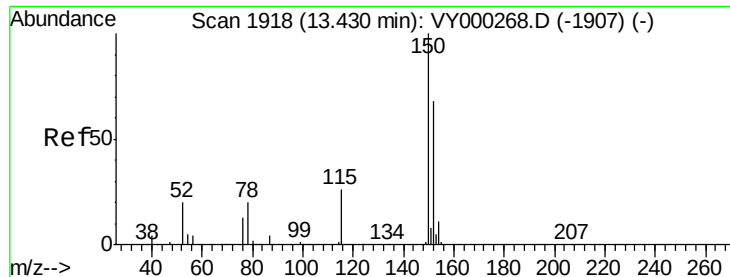
Tot Ion: 91 Resp: 189
Ion Ratio Lower Upper
91 100
106 0.0 25.0 37.6#



#68
m/p-Xylenes
Concen: 3.806 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 106 Resp: 79
Ion Ratio Lower Upper
106 100
91 336.7 157.5 236.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampleId :

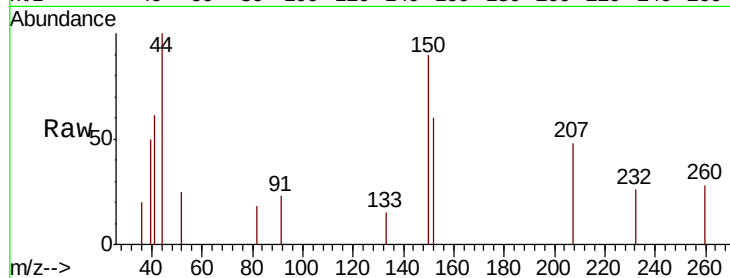
Tot Ion:152 Resp: 252

Ion Ratio Lower Upper

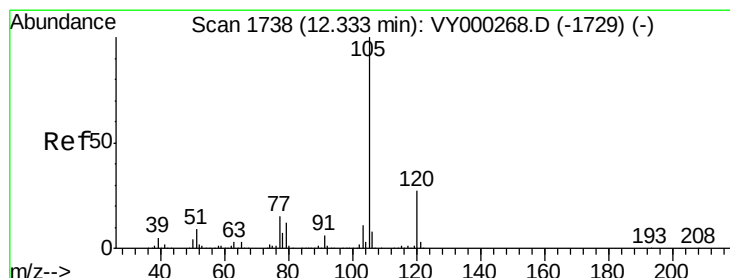
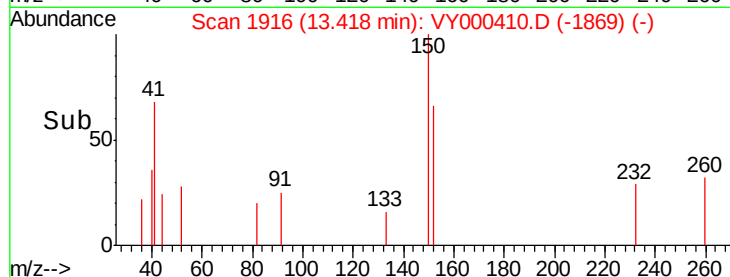
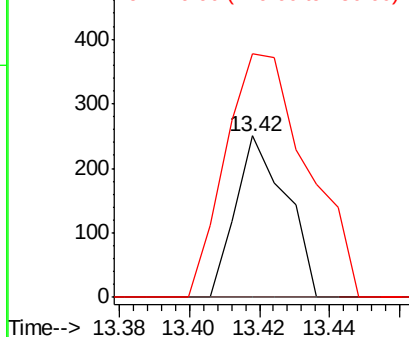
152 100

115 0.0 29.3 88.0#

150 243.3 0.0 348.4



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: 16.896 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000410.D

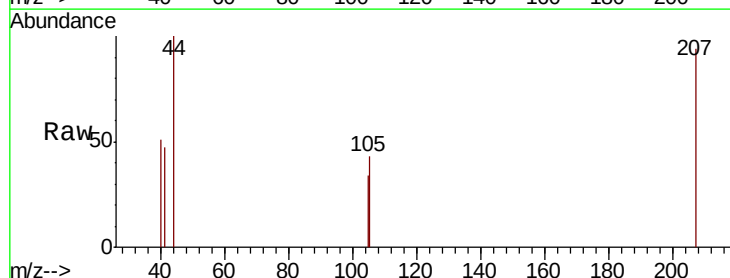
Acq: 24 Oct 2019 15:26

Tgt Ion:105 Resp: 332

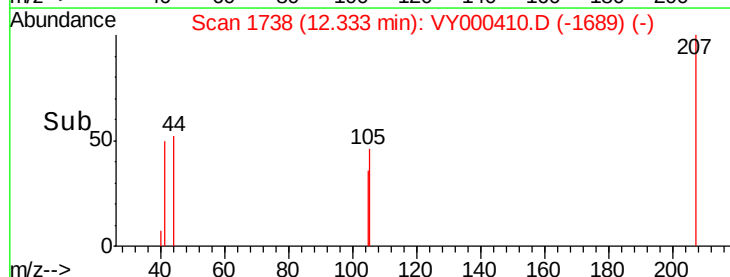
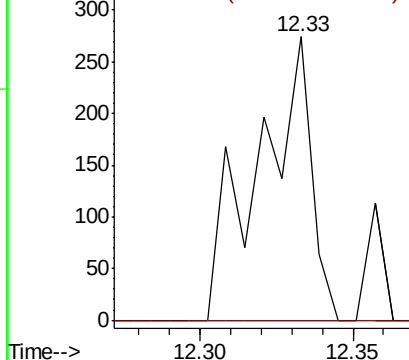
Ion Ratio Lower Upper

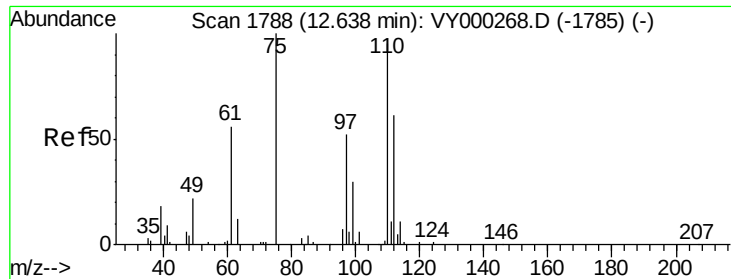
105 100

120 0.0 13.4 40.2#



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

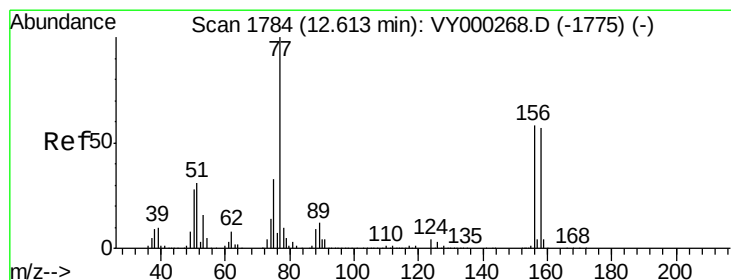
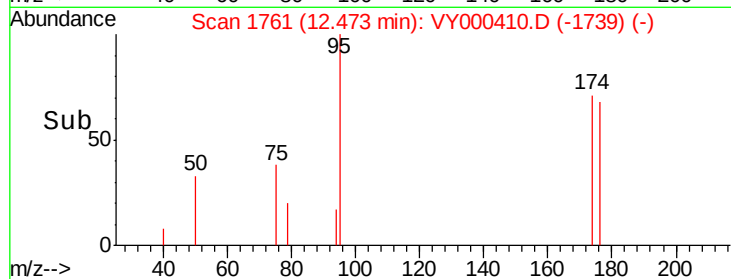
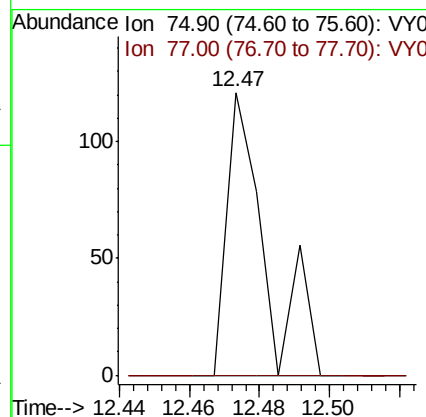
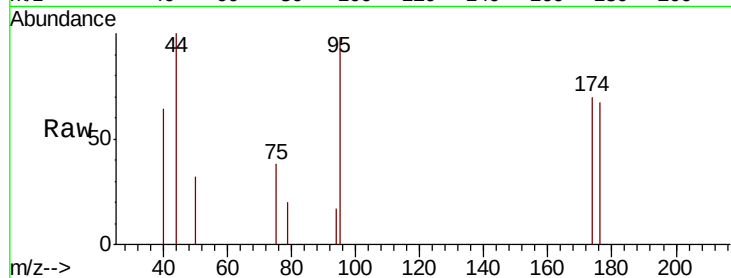




#76
 1,2,3-Trichloropropane
 Concen: 30.335 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.16 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

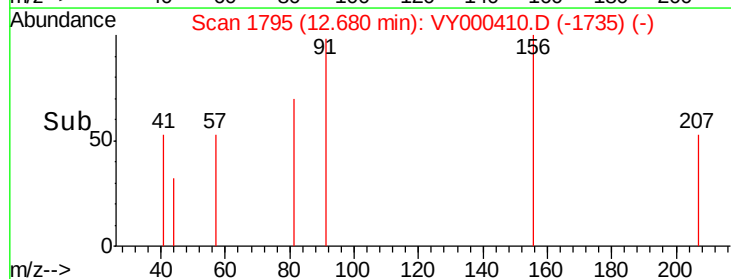
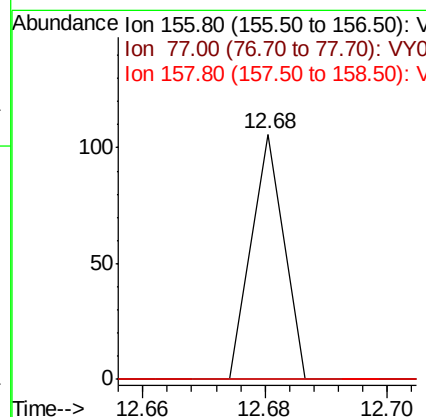
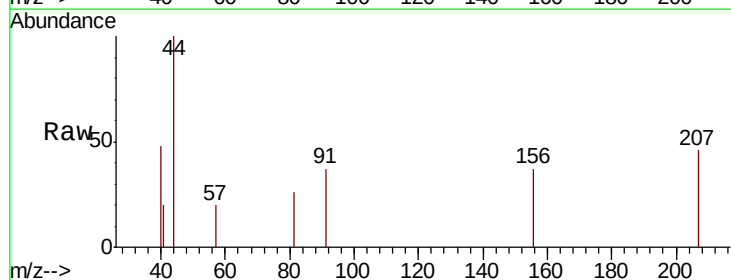
Instrument :
 MSVOA_Y
 ClientSampleId :

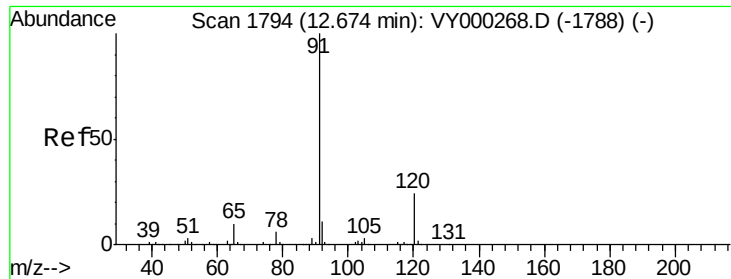
Tot Ion: 75 Resp: 94
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 8.920 ug/l
 RT: 12.68 min Scan# 1795
 Delta R.T. 0.07 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 156 Resp: 39
 Ion Ratio Lower Upper
 156 100
 77 0.0 101.0 302.9#
 158 0.0 49.7 149.1#

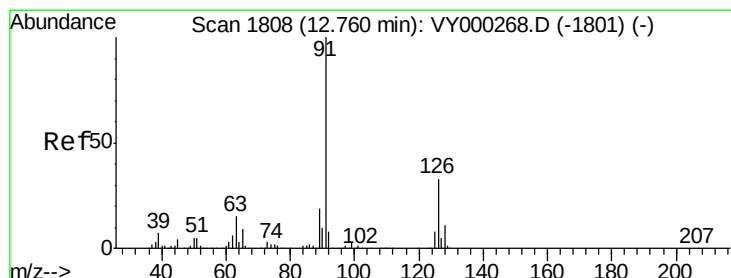
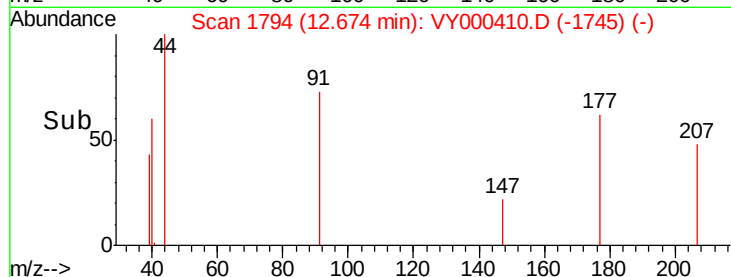
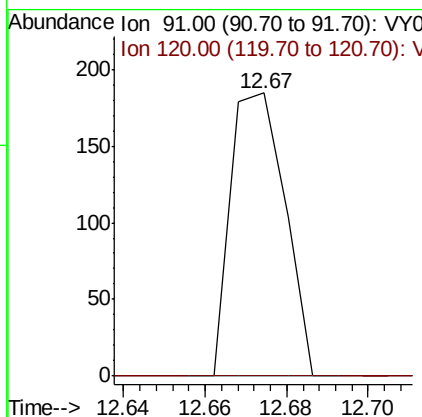
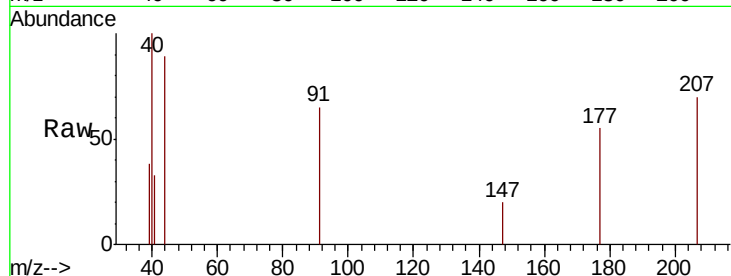




#78
n-propylbenzene
Concen: 7.248 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

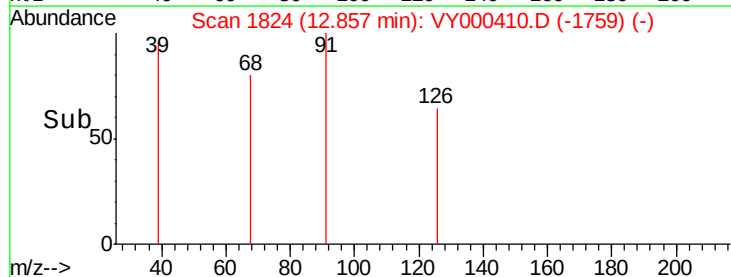
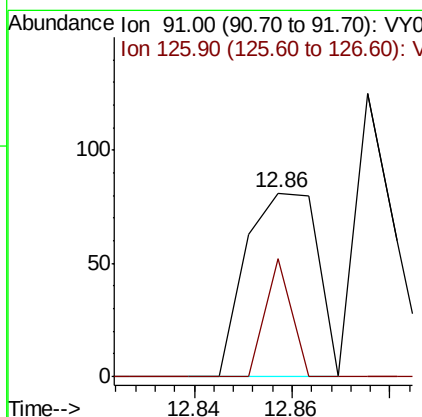
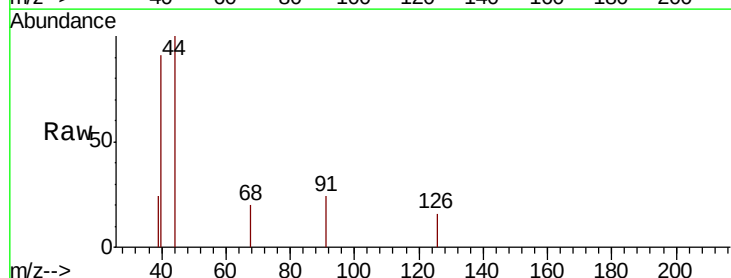
Instrument :
MSVOA_Y
ClientSampled :

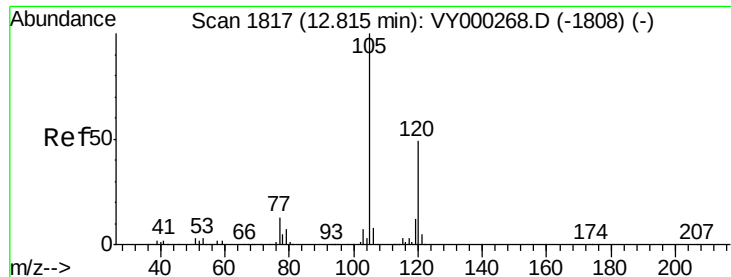
Tot Ion: 91 Resp: 171
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.5#



#79
2-Chlorotoluene
Concen: 6.294 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.10 min
Lab File: VY000410.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 23.2 17.1 51.3

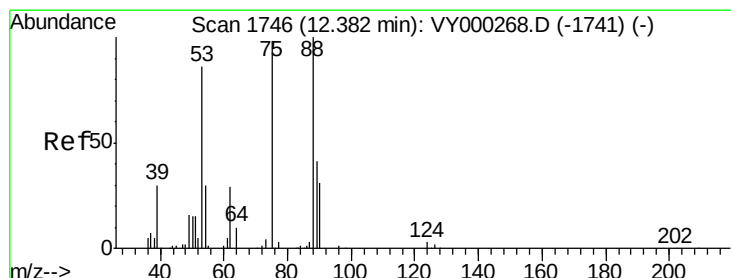
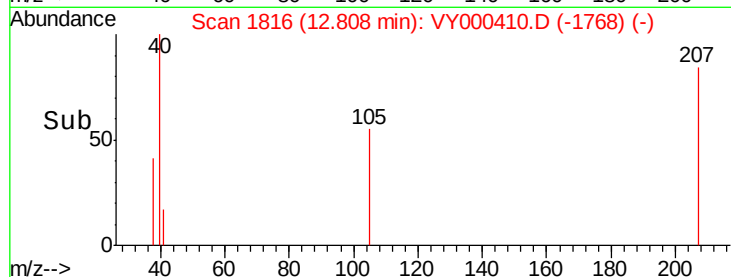
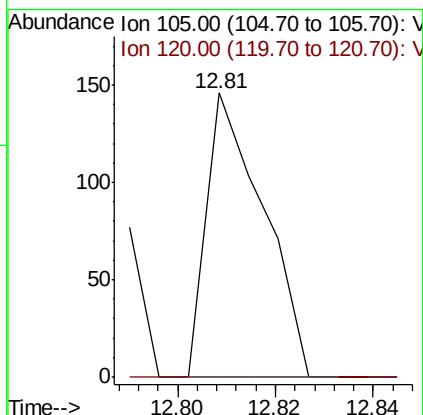
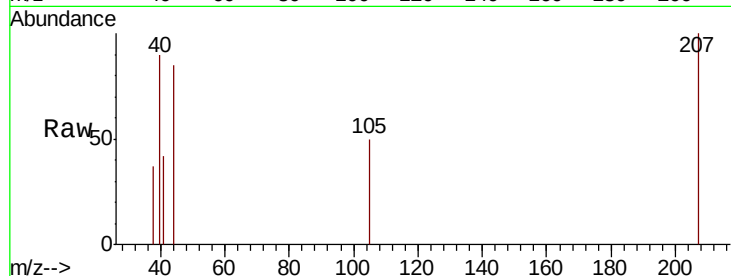




#80
 1,3,5-Trimethylbenzene
 Concen: 7.101 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

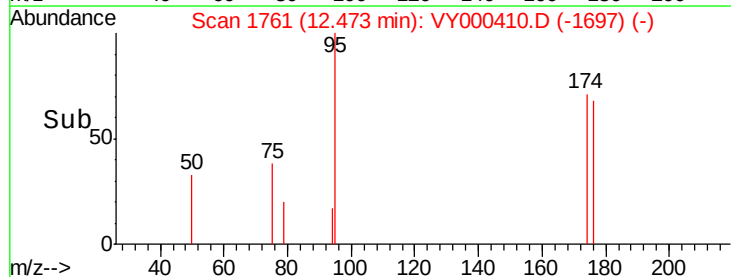
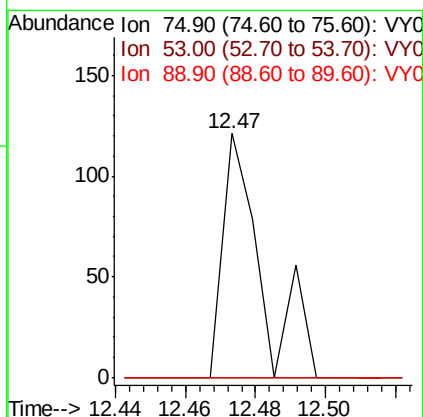
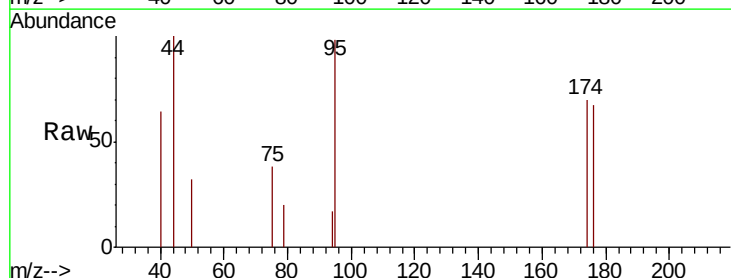
Instrument :
 MSVOA_Y
 ClientSampled :

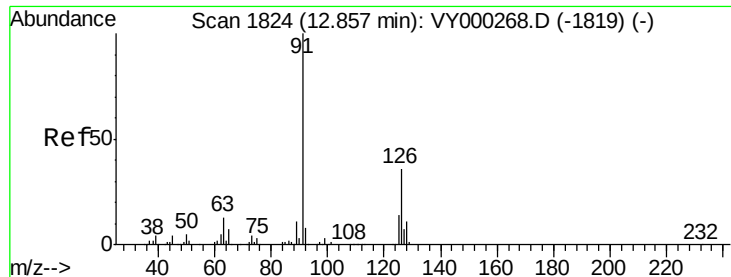
Tot Ion:105 Resp: 117
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.9 74.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.372 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. 0.09 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 75 Resp: 94
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 35.1 52.7#

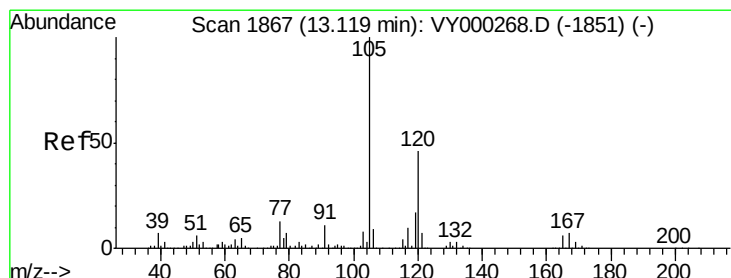
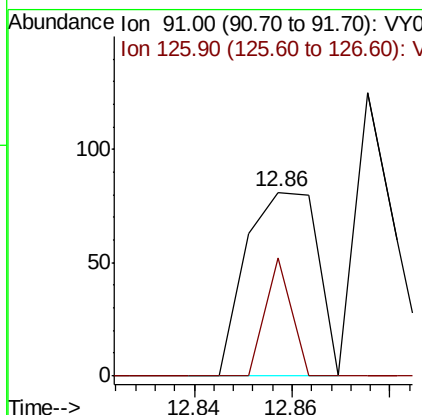
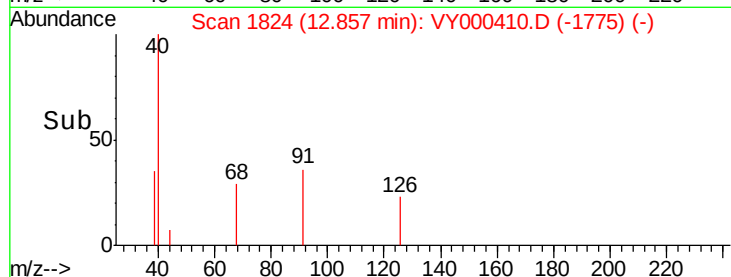
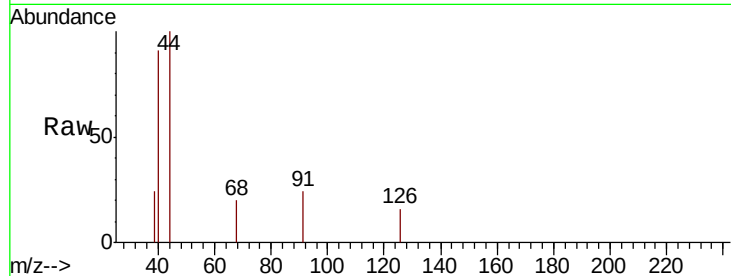




#82
 4-Chlorotoluene
 Concen: 5.954 ug/l
 RT: 12.86 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

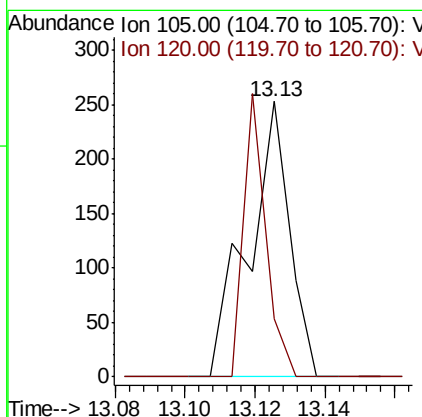
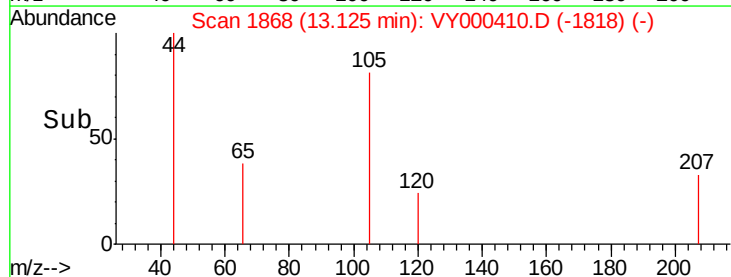
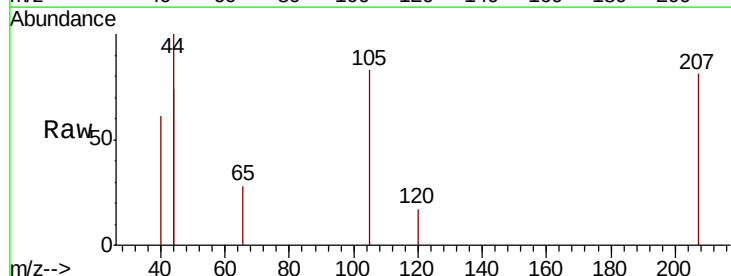
Instrument :
 MSVOA_Y
 ClientSampled :

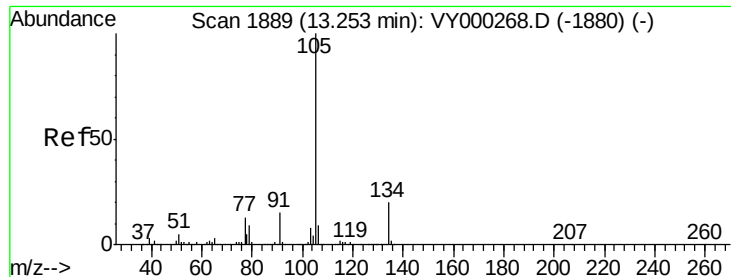
Tot Ion: 91 Resp: 82
 Ion Ratio Lower Upper
 91 100
 126 23.2 17.2 51.5



#84
 1,2,4-Trimethylbenzene
 Concen: 12.668 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion: 105 Resp: 206
 Ion Ratio Lower Upper
 105 100
 120 55.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 6.639 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

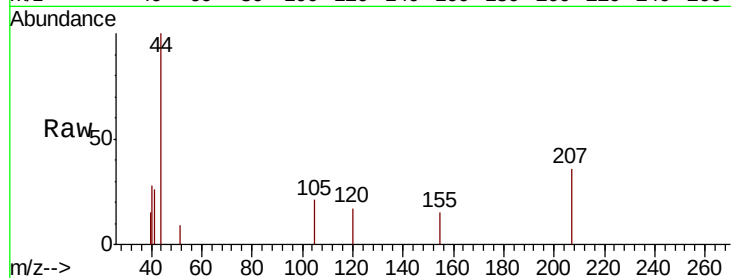
ClientSampleId :

Tot Ion:105 Resp: 134

Ion Ratio Lower Upper

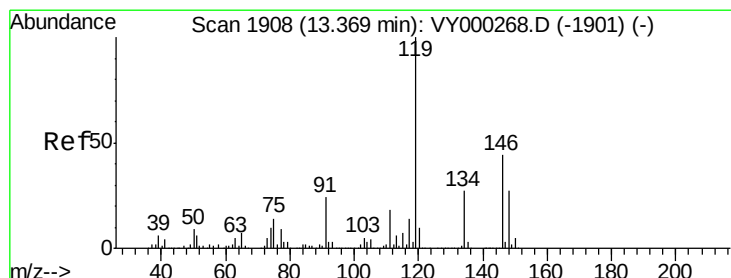
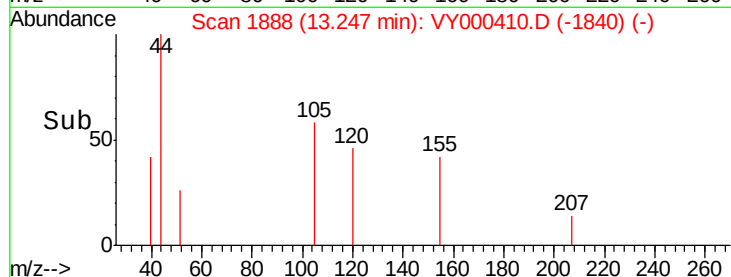
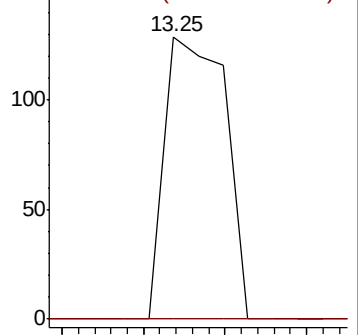
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.503 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

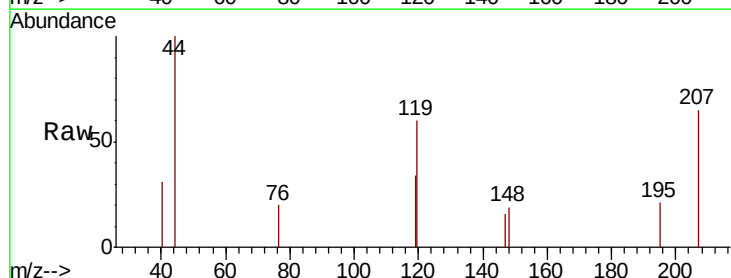
Tgt Ion:119 Resp: 308

Ion Ratio Lower Upper

119 100

134 0.0 13.6 40.8#

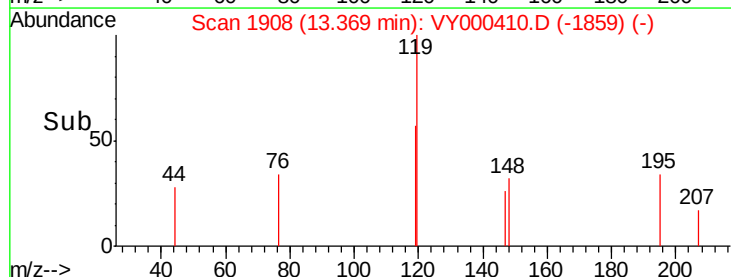
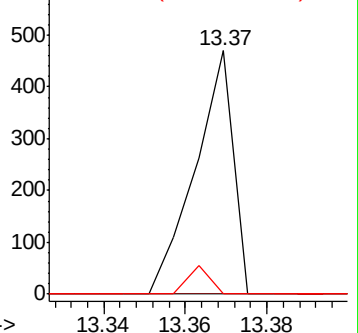
91 6.5 12.0 36.1#

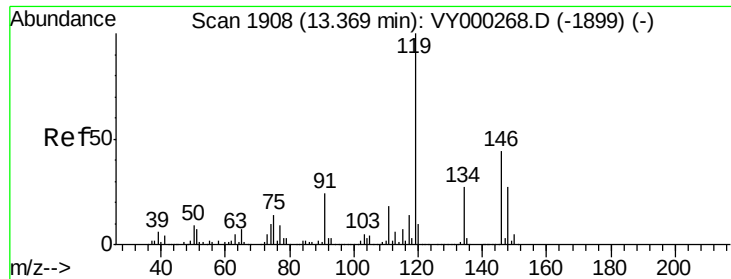


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

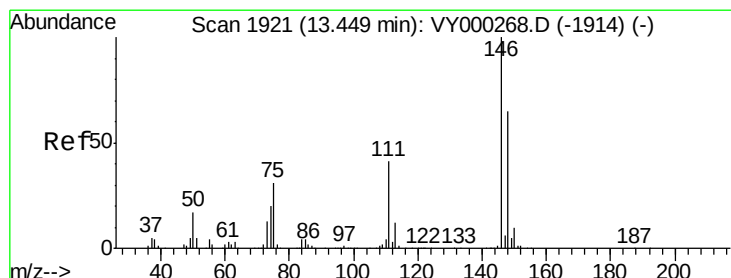
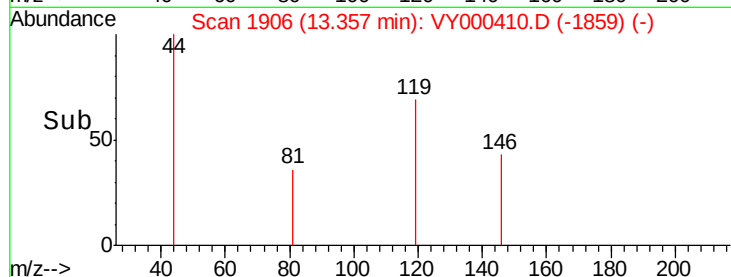
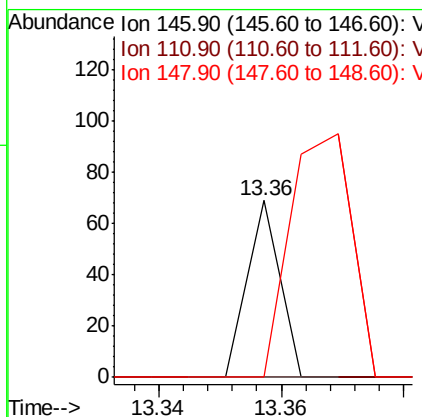
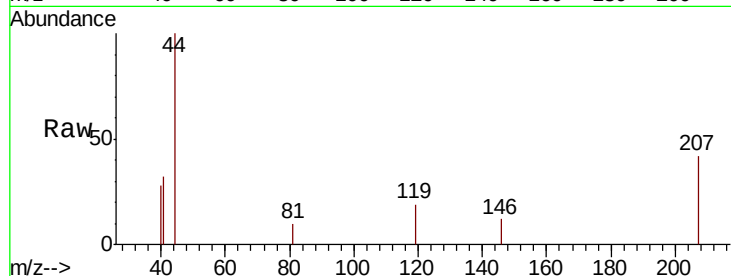




#87
 1,3-Dichlorobenzene
 Concen: 2.902 ug/l
 RT: 13.36 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

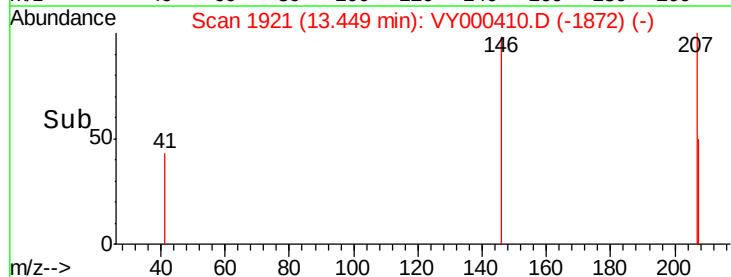
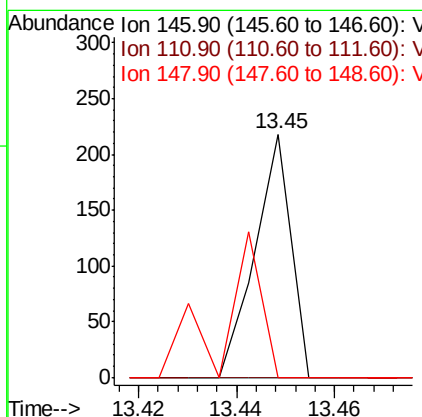
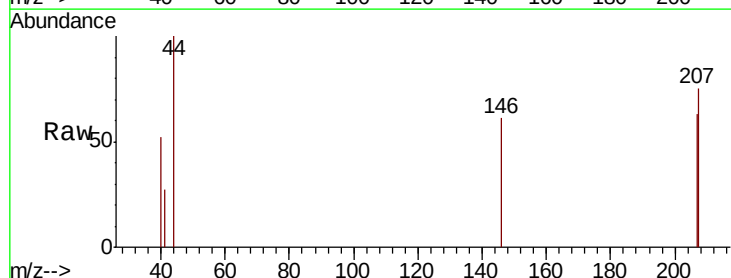
Instrument :
 MSVOA_Y
 ClientSampleId :

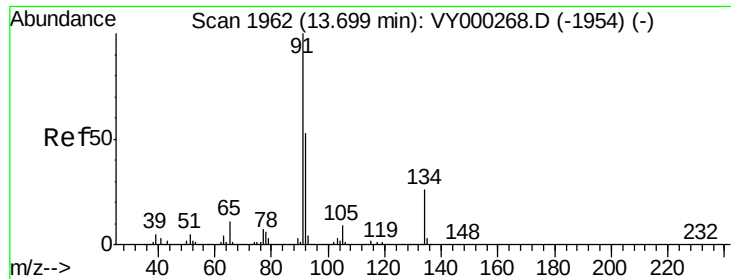
Tot Ion:146 Resp: 25
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.6 61.8#
 148 268.0 31.9 95.5#



#88
 1,4-Dichlorobenzene
 Concen: 12.891 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000410.D
 Acq: 24 Oct 2019 15:26

Tgt Ion:146 Resp: 111
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.1 60.2#
 148 64.9 32.4 97.2





#89

n-Butylbenzene

Concen: 4.313 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VY000410.D

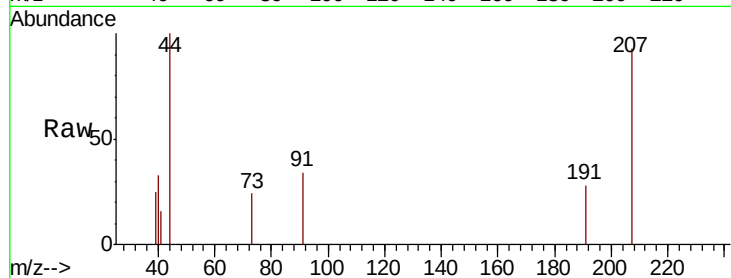
Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampleId :

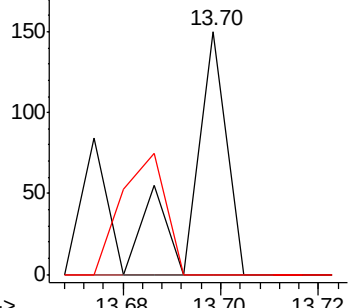
Tot Ion:	91	Resp:	75
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.7	80.1#
134	0.0	13.0	38.9#



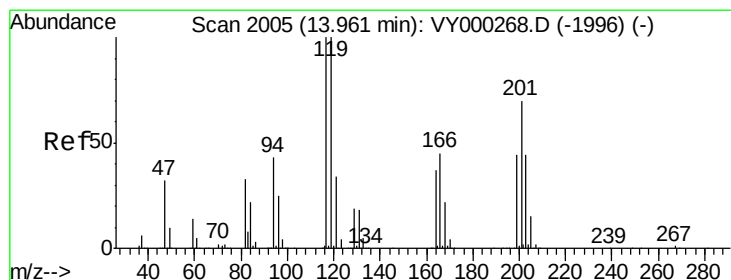
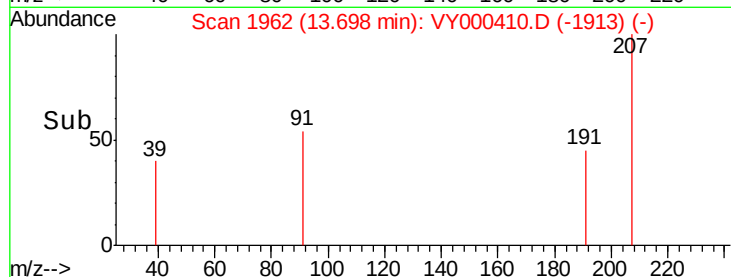
Abundance Ion 91.00 (90.70 to 91.70): VY000410.D (-1913) (-)

Ion 92.00 (91.70 to 92.70): VY000410.D (-1913) (-)

Ion 134.00 (133.70 to 134.70): VY000410.D (-1913) (-)



Time-->



#90

Hexachloroethane

Concen: 5.831 ug/l

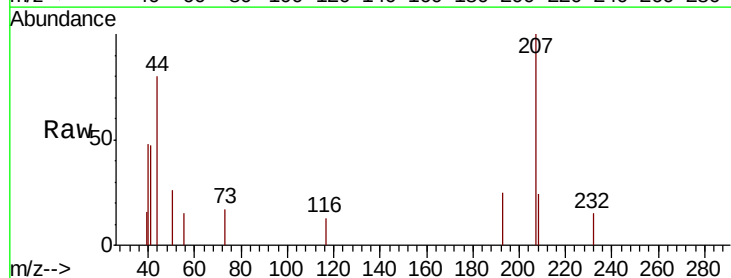
RT: 14.22 min Scan# 2047

Delta R.T. 0.26 min

Lab File: VY000410.D

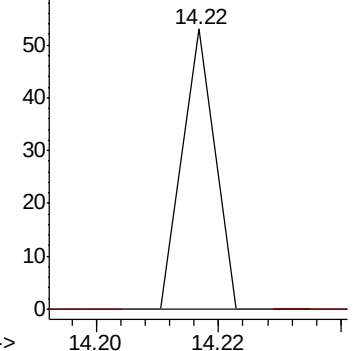
Acq: 24 Oct 2019 15:26

Tgt Ion:	117	Resp:	19
Ion	Ratio	Lower	Upper
117	100		
201	0.0	36.3	108.7#

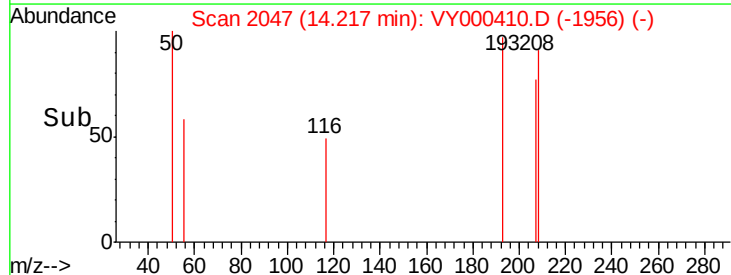


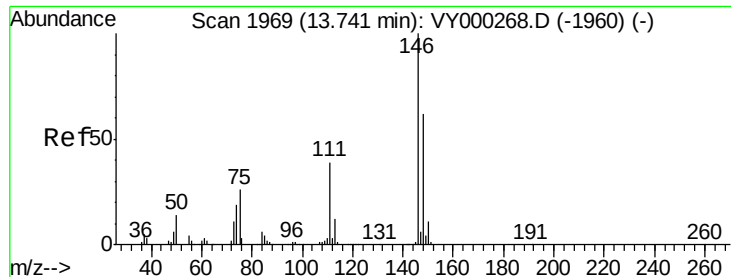
Abundance Ion 116.80 (116.50 to 117.50): VY000410.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY000410.D (-1956) (-)



Time-->





#91

1,2-Dichlorobenzene

Concen: 7.568 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampled :

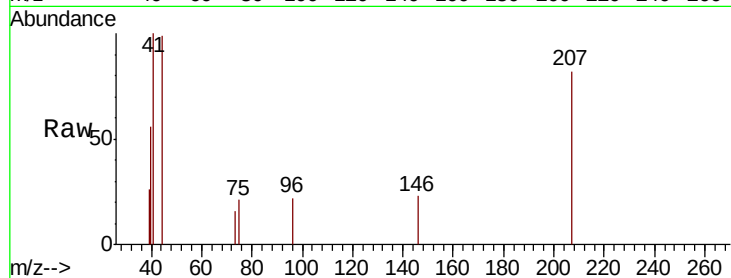
Tot Ion:146 Resp: 59

Ion Ratio Lower Upper

146 100

111 0.0 20.5 61.5#

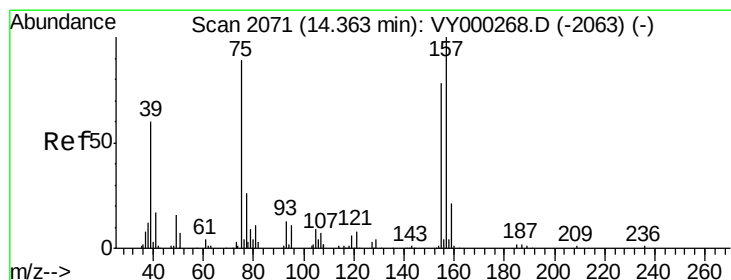
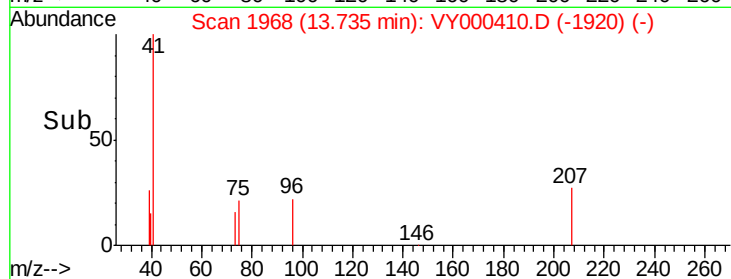
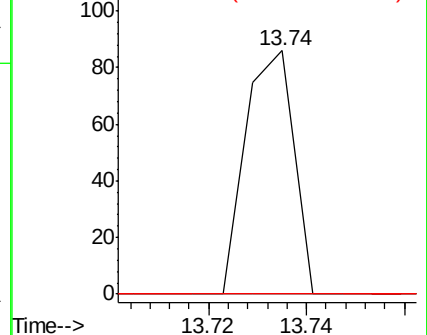
148 0.0 31.6 95.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 74.318 ug/l

RT: 14.23 min Scan# 2050

Delta R.T. -0.13 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

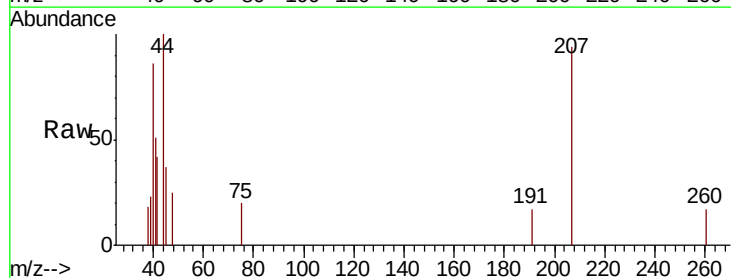
Tgt Ion: 75 Resp: 52

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.3#

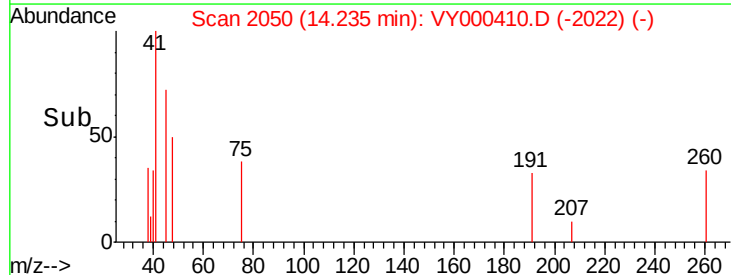
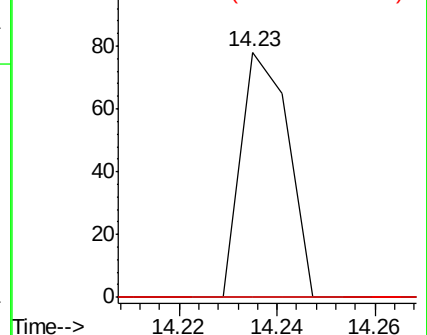
157 0.0 55.6 166.9#

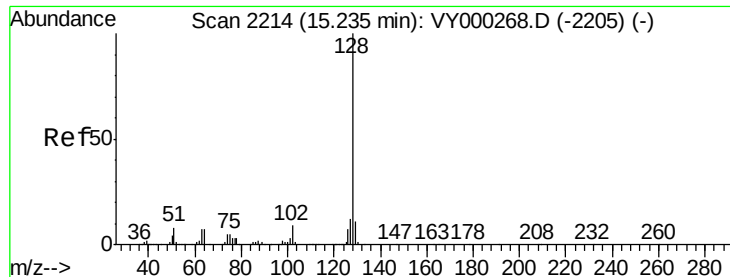


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 11.888 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

Instrument :

MSVOA_Y

ClientSampleId :

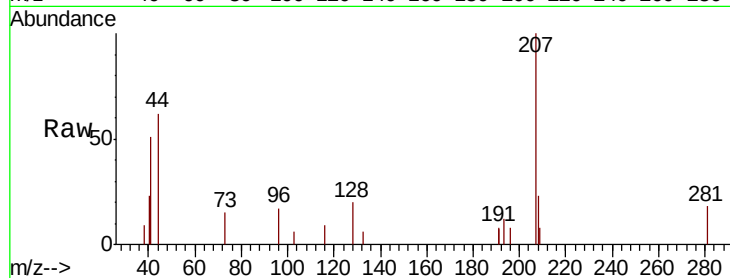
Tot Ion:128 Resp: 144

Ion Ratio Lower Upper

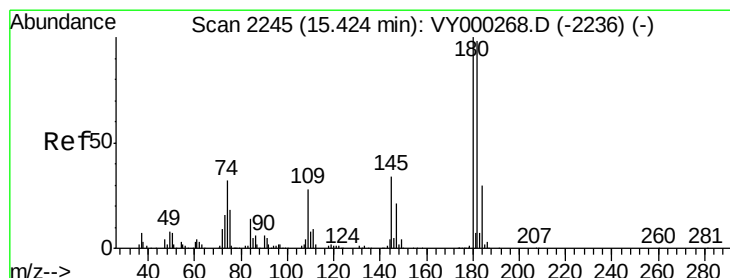
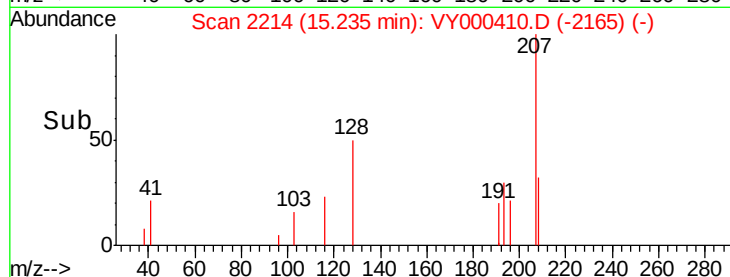
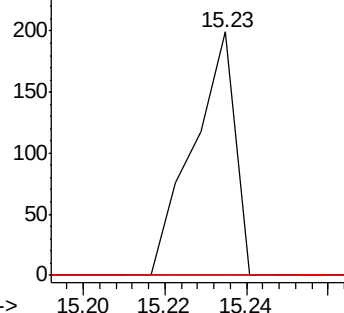
128 100

127 0.0 9.6 14.4#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.337 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.01 min

Lab File: VY000410.D

Acq: 24 Oct 2019 15:26

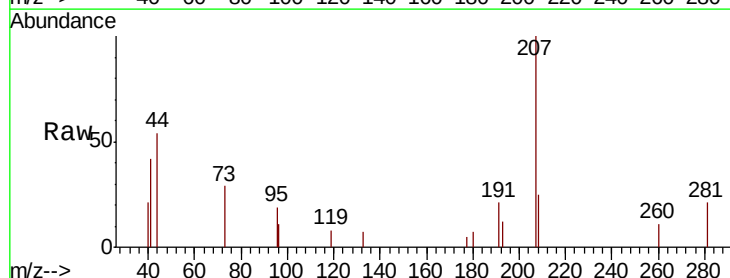
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 46.5 139.5#

145 0.0 16.2 48.5#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

