

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000299.D
 Acq On : 14 Oct 2019 15:13
 Operator : SY/MD
 Sample : K5323-07RE
 Misc : 6.76g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:15:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	228758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	440339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	388311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	147383	61.08	ug/l	0.00
Spiked Amount			Recovery	=	122.16%	
35) Dibromofluoromethane	7.73	113	131694	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.19	98	514921	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.48	95	174978	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

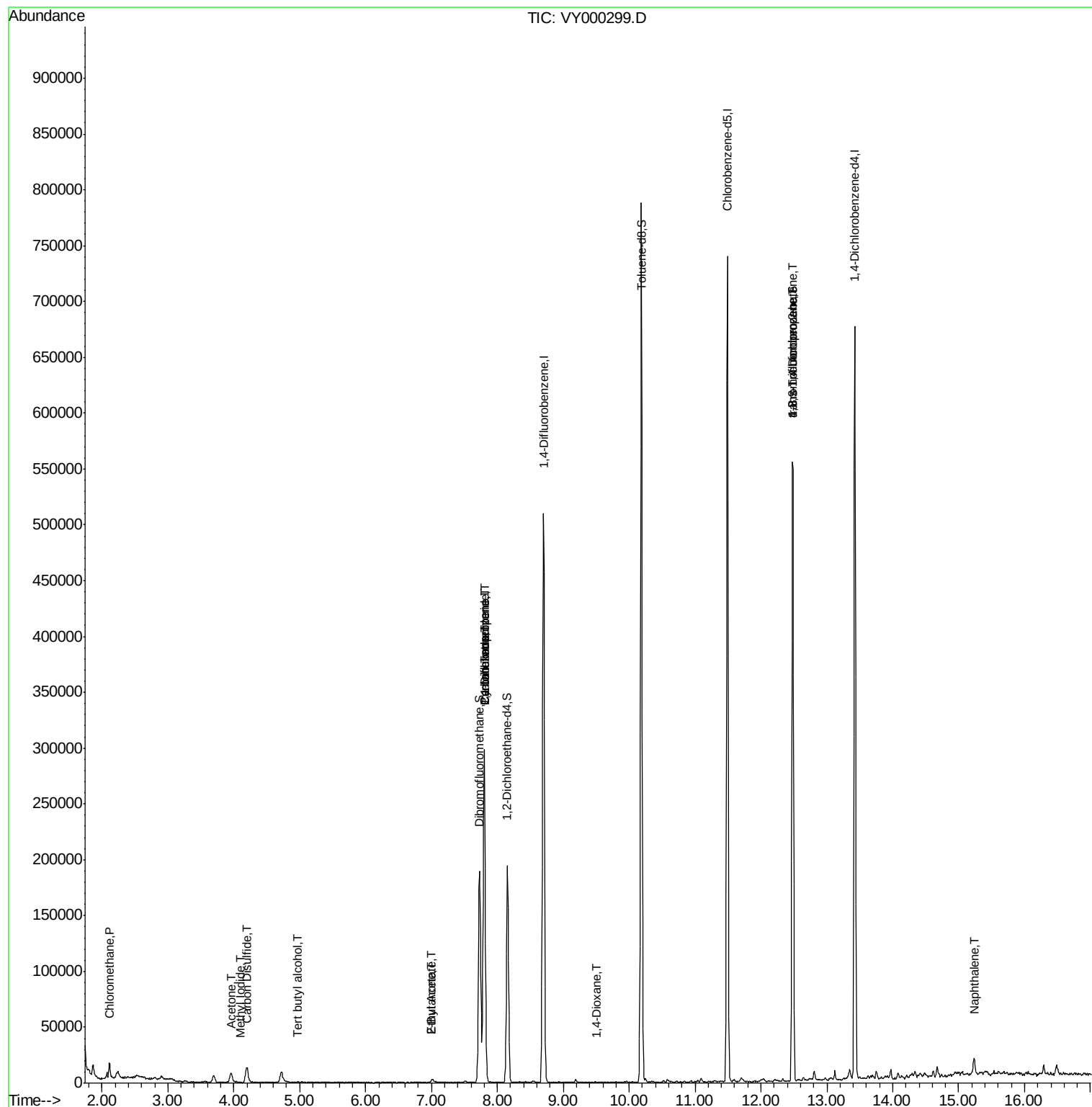
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	207	Below Cal	#	41
3) Chloromethane	2.11	50	12167	4.353	ug/l	98
10) Methyl Iodide	4.10	142	282	1.269	ug/l #	58
11) Tert butyl alcohol	4.97	59	294	1.164	ug/l	99
16) Acetone	3.96	43	14318	18.322	ug/l	95
17) Carbon Disulfide	4.19	76	27688	3.806	ug/l	96
20) Methylene Chloride	4.72	84	6353	Below Cal		92
25) 2-Butanone	7.00	43	4622	4.199	ug/l	99
31) Cyclohexane	7.80	56	5614	1.216	ug/l #	24
36) 1,1-Dichloropropene	7.80	75	18649	4.326	ug/l #	49
37) Ethyl Acetate	7.00	43	4622	1.811	ug/l #	67
38) Carbon Tetrachloride	7.80	117	22251	5.331	ug/l #	18
49) 1,4-Dioxane	9.51	88	33	1.288	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	91733	46.027	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91733	100.706	ug/l #	14
95) Naphthalene	15.24	128	10849	1.393	ug/l #	93

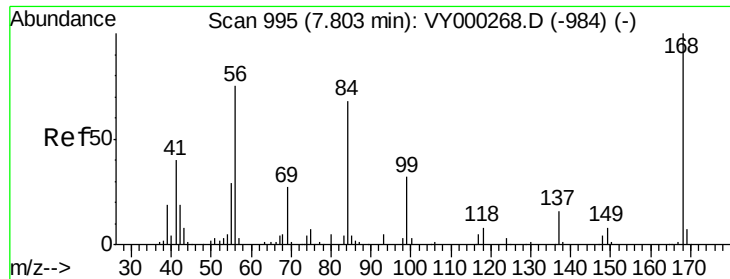
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
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Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

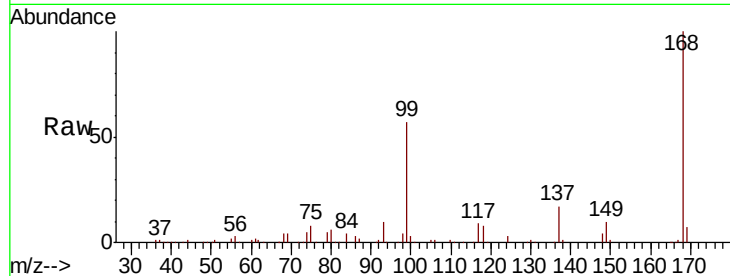
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 228758

Ion Ratio Lower Upper

168 100

99 57.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

100000

80000

60000

40000

20000

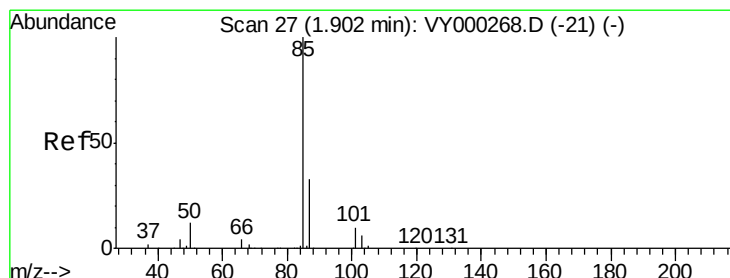
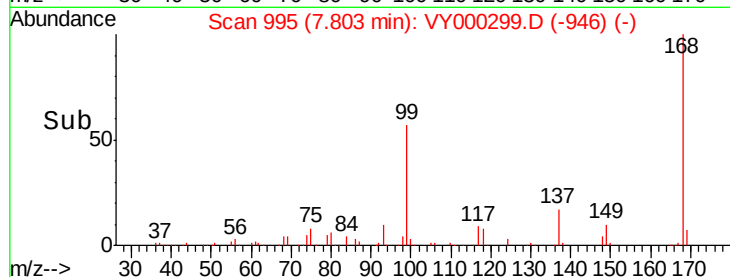
0

Time-->

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000299.D

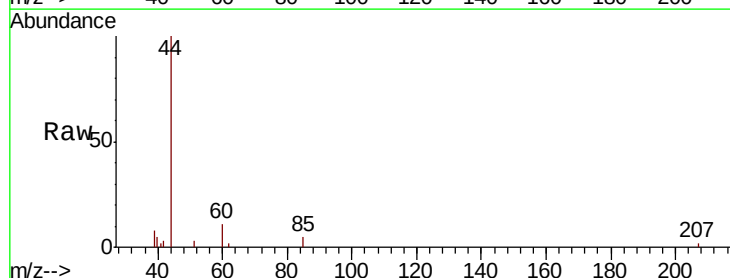
Acq: 14 Oct 2019 15:13

Tgt Ion: 85 Resp: 207

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

300

250

200

150

100

50

0

Time-->

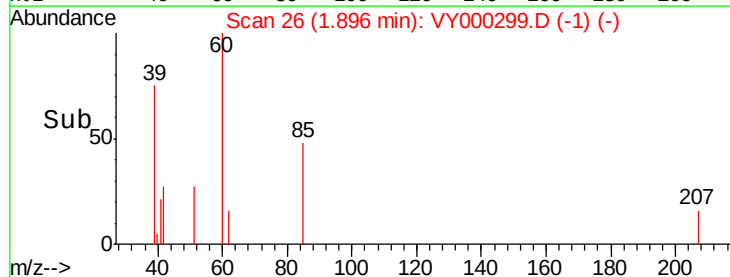
1.86

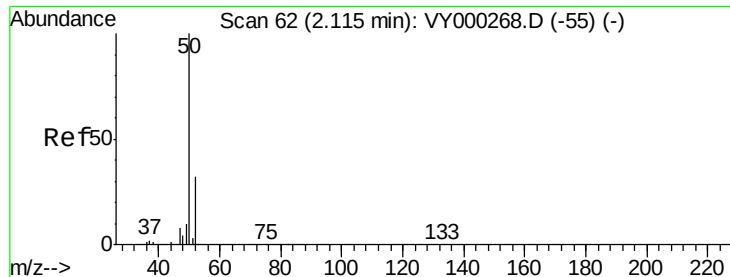
1.88

1.90

1.92

1.94





#3

Chloromethane

Concen: 4.353 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

Instrument :

MSVOA_Y

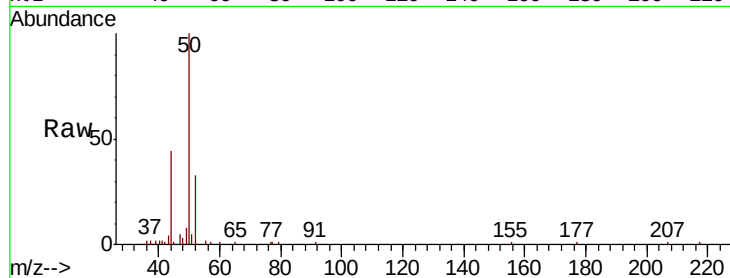
ClientSampleId :

Tot Ion: 50 Resp: 12167

Ion Ratio Lower Upper

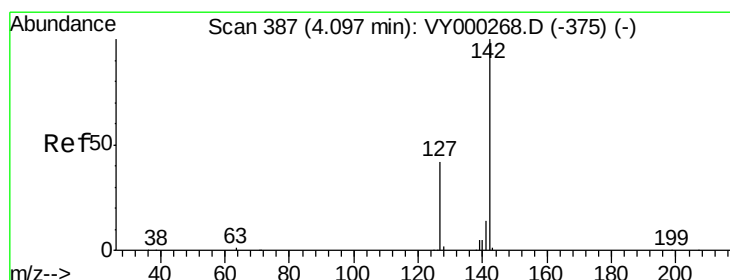
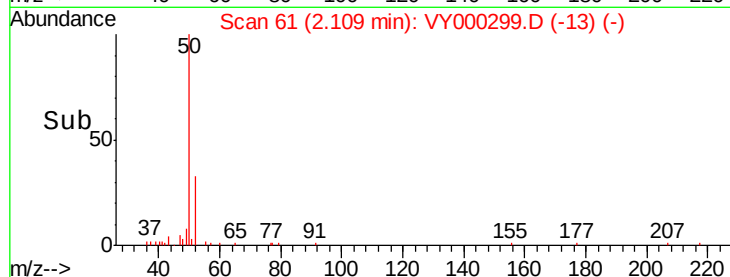
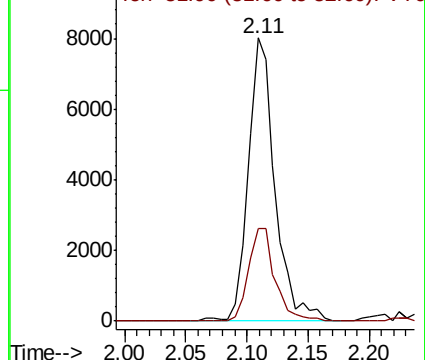
50 100

52 32.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.269 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

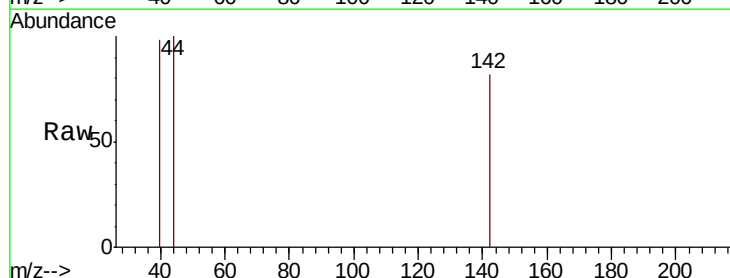
Tgt Ion:142 Resp: 282

Ion Ratio Lower Upper

142 100

127 13.8 33.9 50.9#

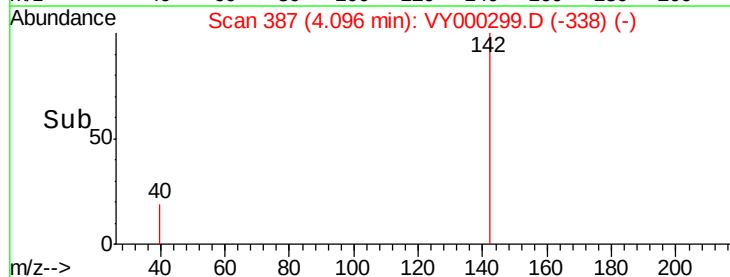
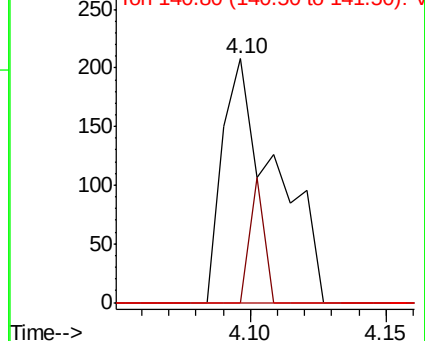
141 0.0 11.2 16.8#

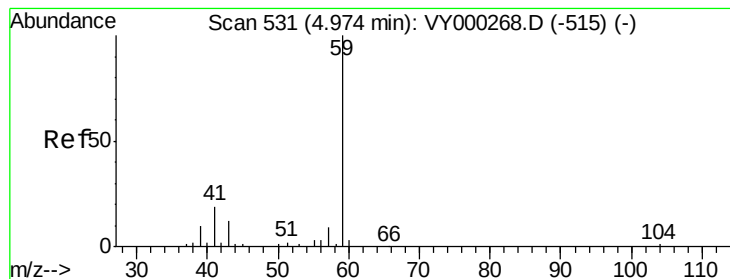


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



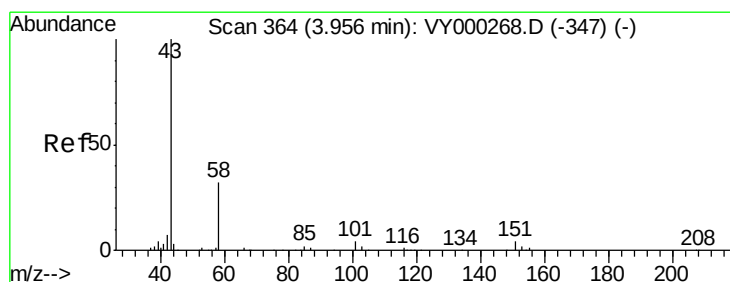
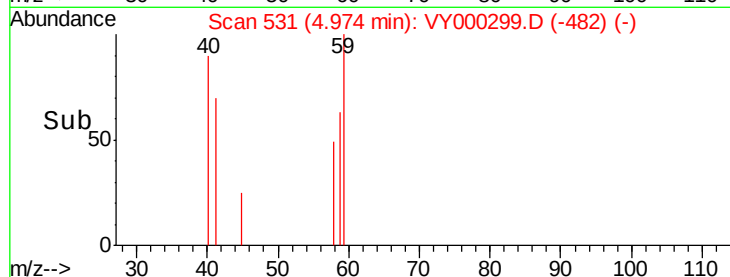
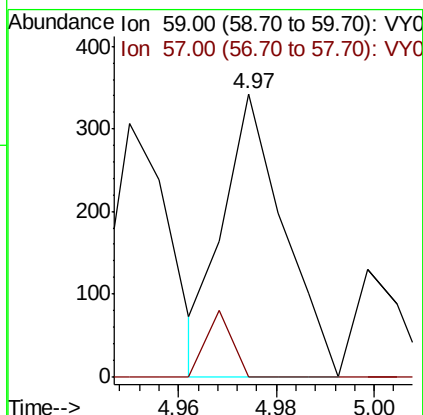
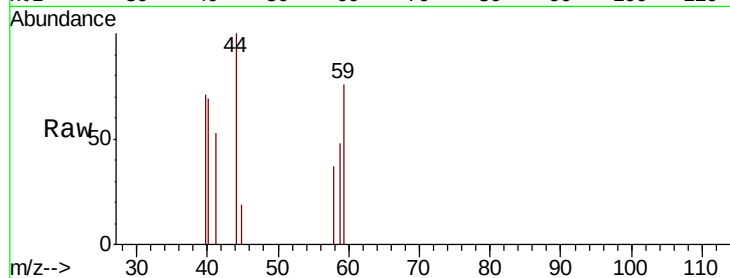


#11

Tert butyl alcohol
 Concen: 1.164 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :

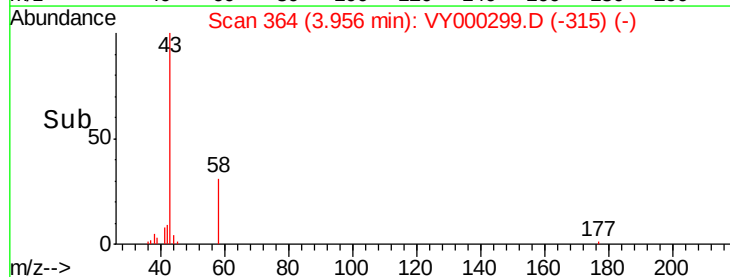
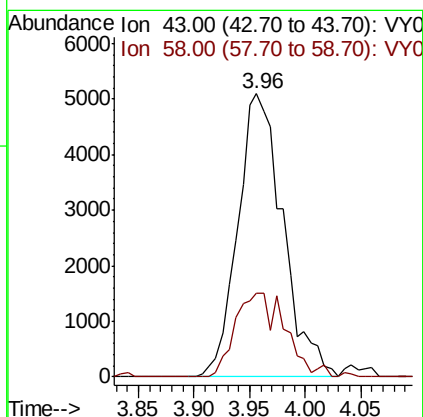
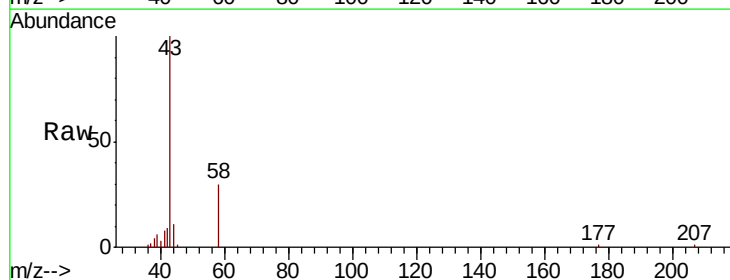
Tot Ion: 59 Resp: 294
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

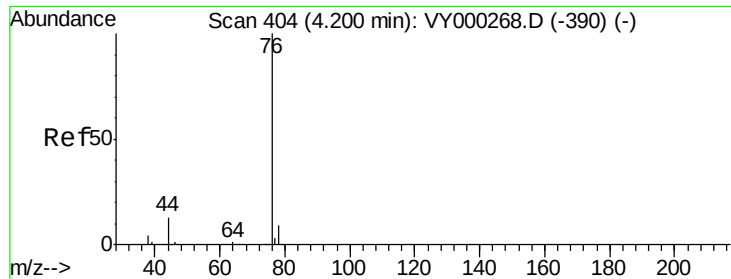


#16

Acetone
 Concen: 18.322 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

Tgt Ion: 43 Resp: 14318
 Ion Ratio Lower Upper
 43 100
 58 29.5 25.8 38.6





#17

Carbon Disulfide

Concen: 3.806 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

Instrument :

MSVOA_Y

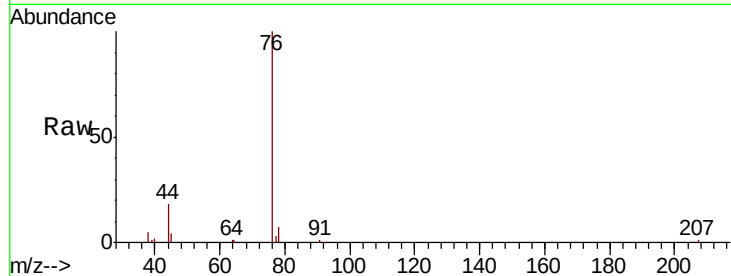
ClientSampleId :

Tot Ion: 76 Resp: 27688

Ion Ratio Lower Upper

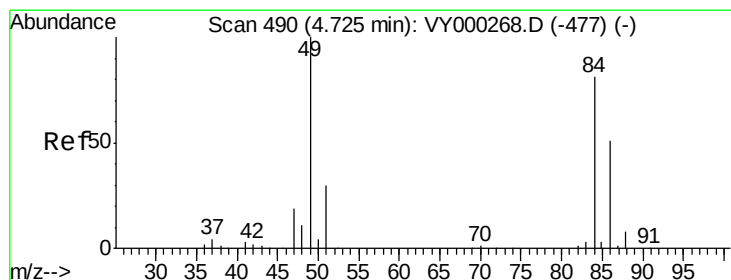
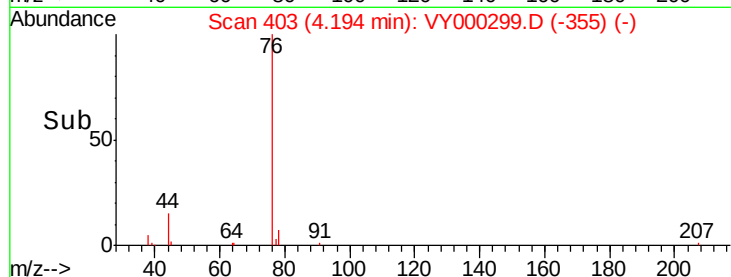
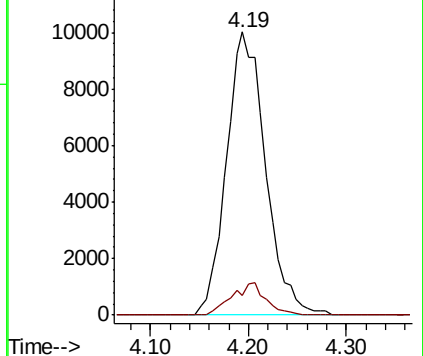
76 100

78 7.2 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

Tgt Ion: 84 Resp: 6353

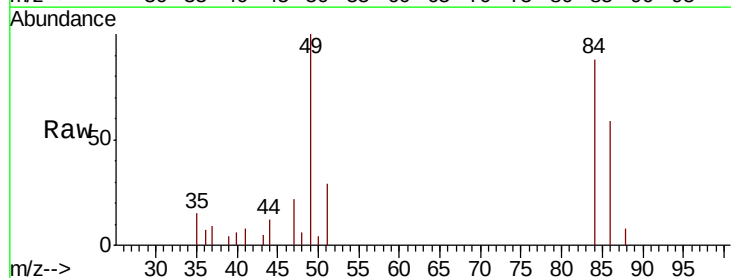
Ion Ratio Lower Upper

84 100

49 113.1 99.0 148.4

51 33.0 29.3 43.9

86 66.9 50.2 75.4

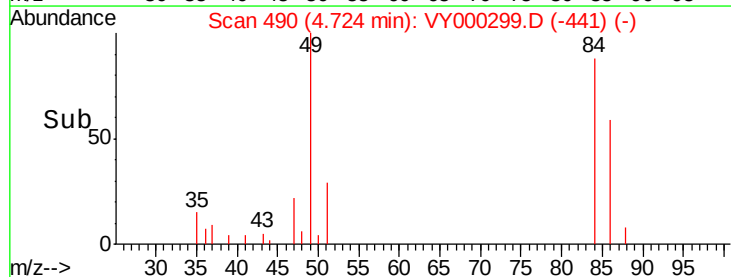
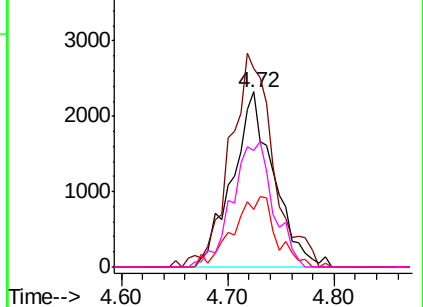


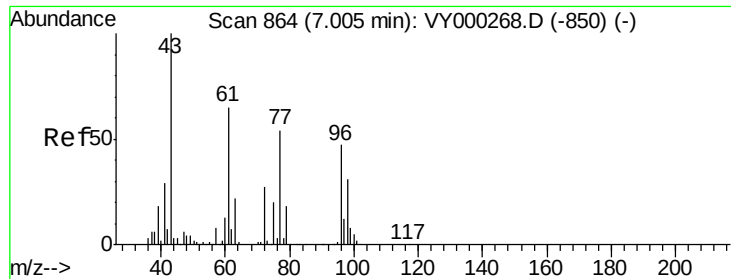
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

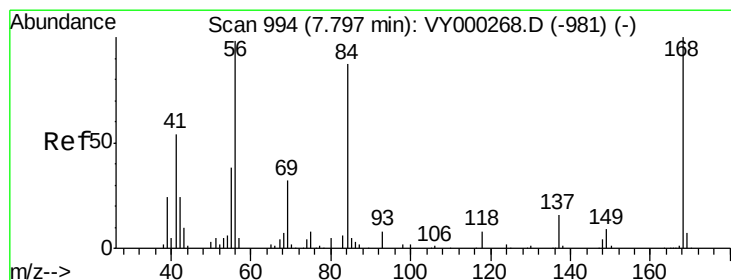
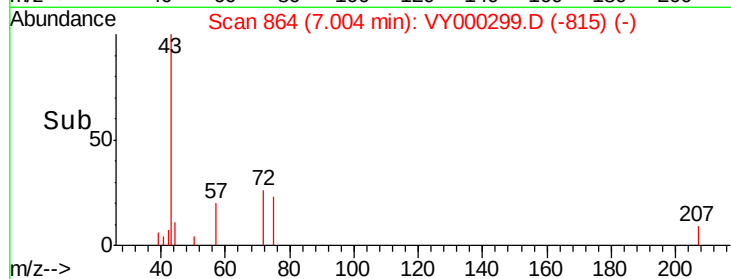
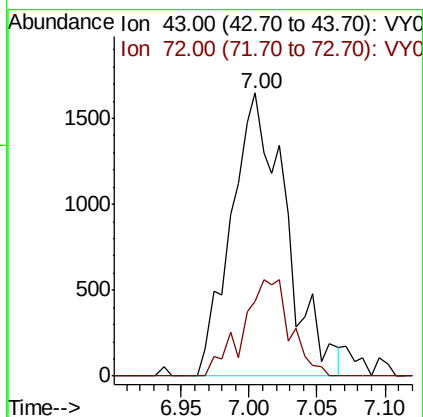
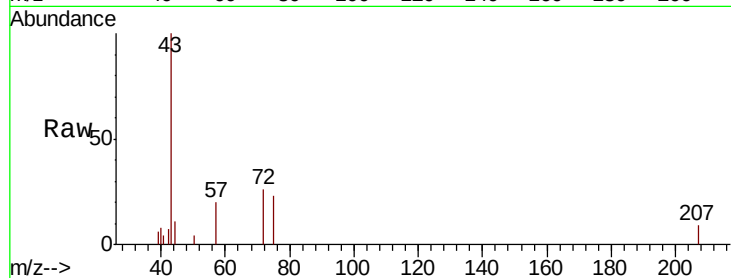




#25
2-Butanone
Concen: 4.199 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

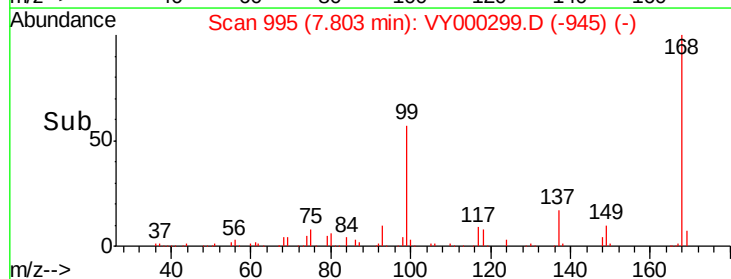
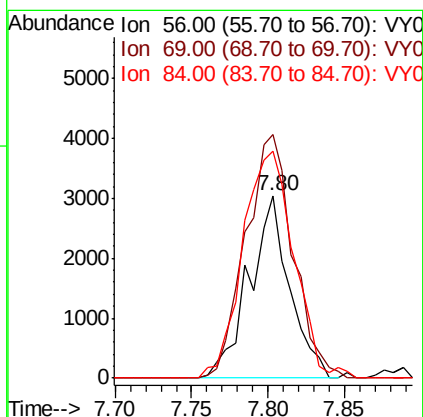
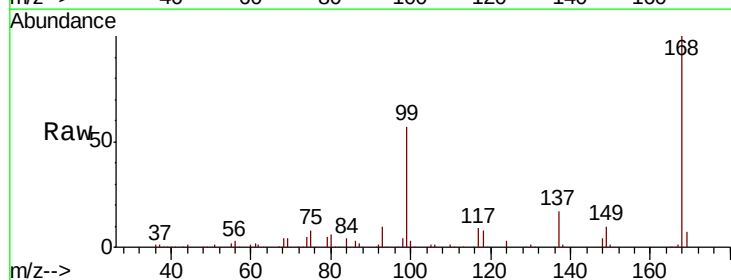
Instrument :
MSVOA_Y
ClientSampleId :

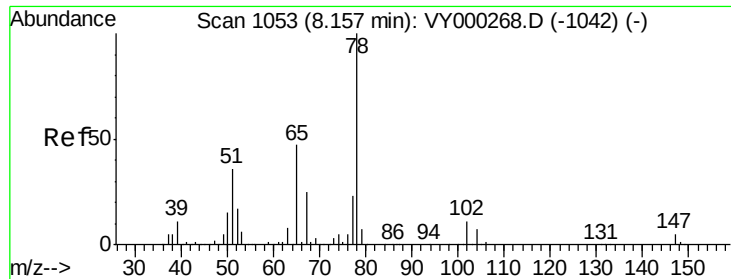
Tot Ion: 43 Resp: 4622
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.2



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Tgt Ion: 56 Resp: 5614
Ion Ratio Lower Upper
56 100
69 133.3 26.3 39.5#
84 124.0 70.8 106.2#

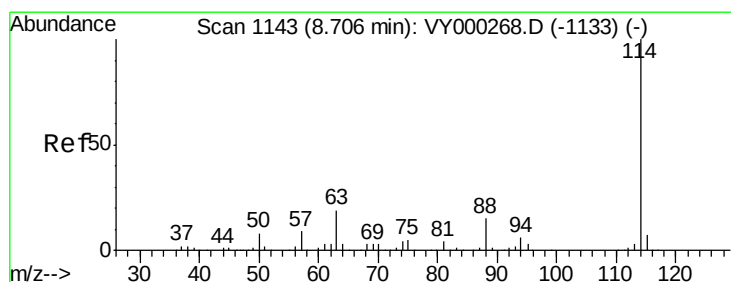
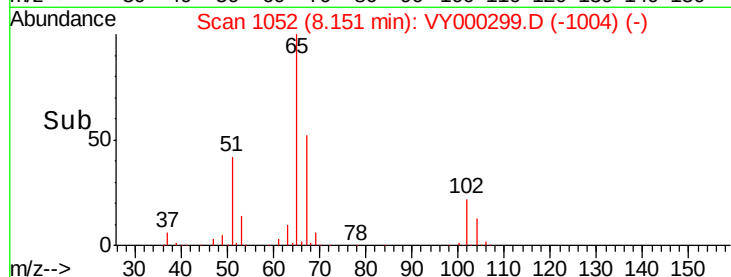
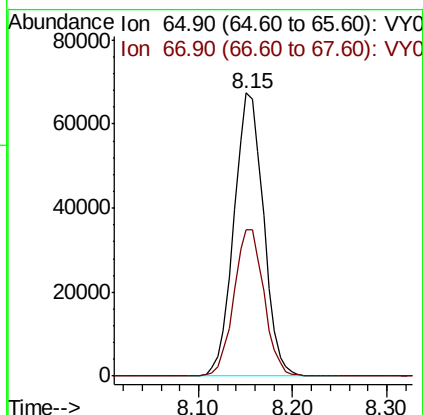
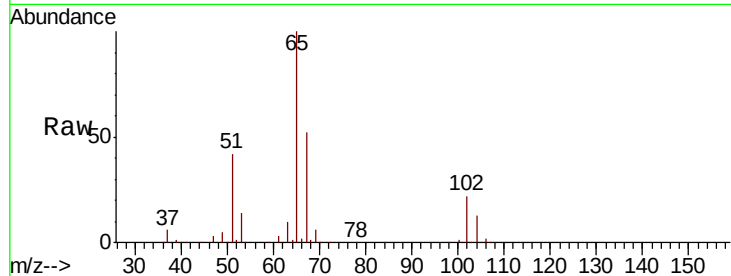




#33
 1,2-Dichloroethane-d4
 Concen: 61.078 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

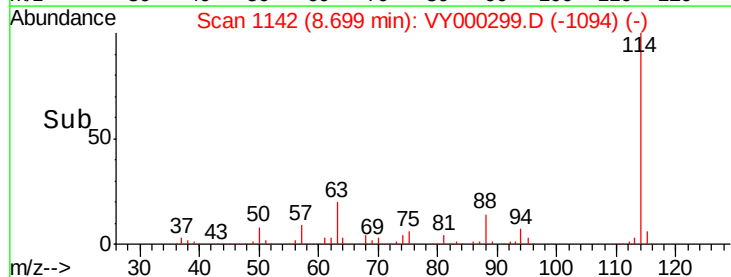
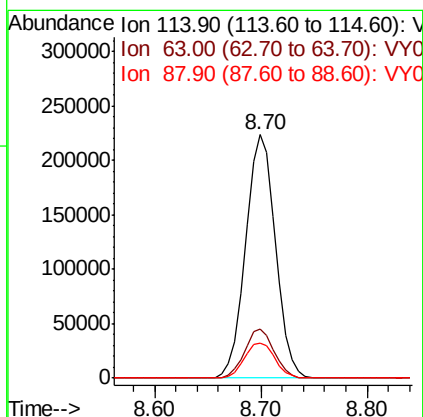
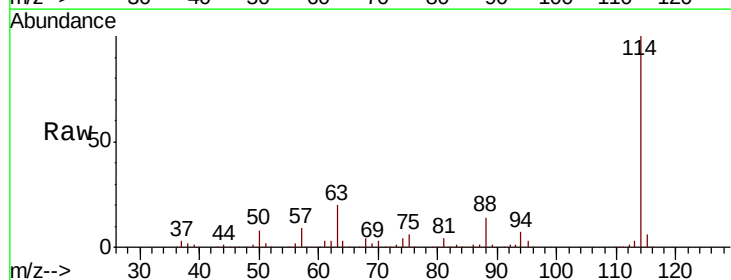
Instrument :
 MSVOA_Y
 ClientSampleId :

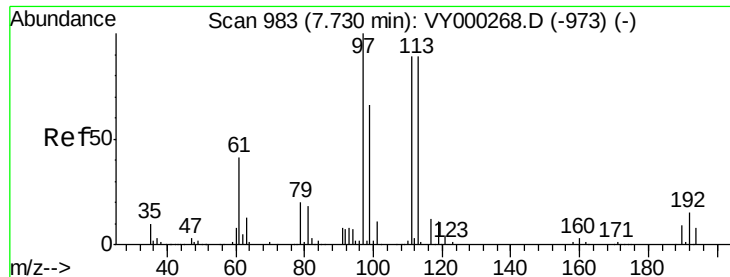
Tot Ion: 65 Resp: 147383
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

Tgt Ion: 114 Resp: 440339
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.2
 88 14.3 0.0 30.2

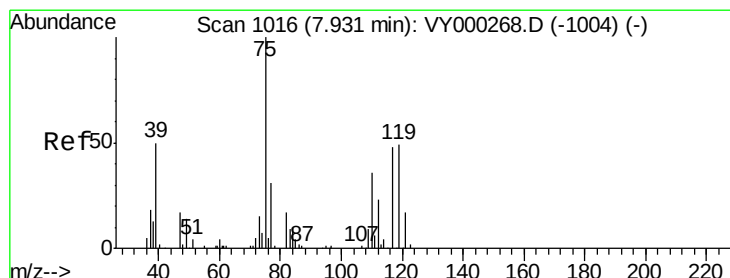
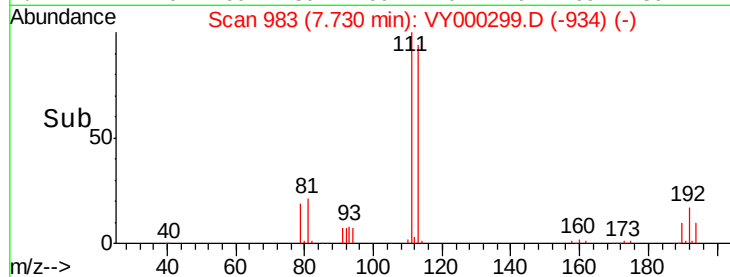
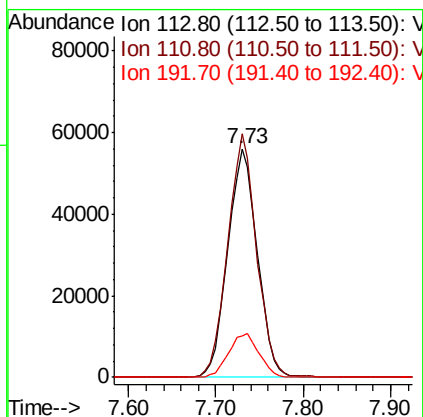
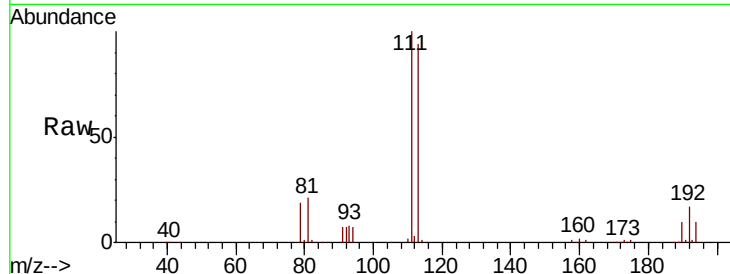




#35
 Dibromofluoromethane
 Concen: 49.581 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

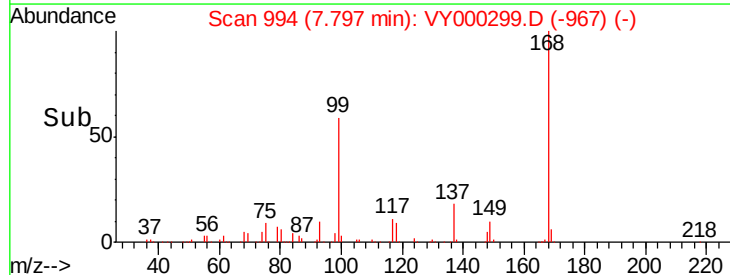
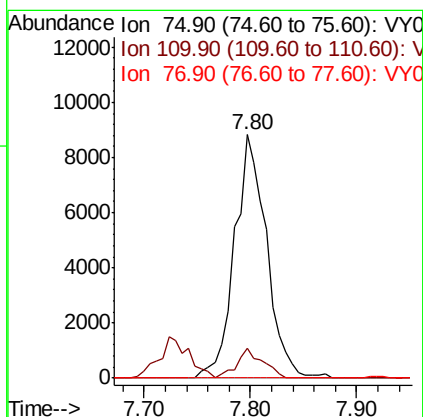
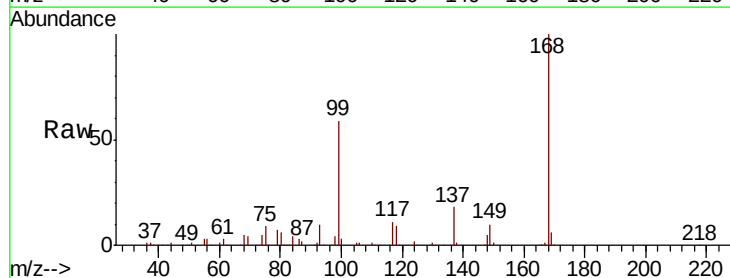
Instrument :
 MSVOA_Y
 ClientSampleId :

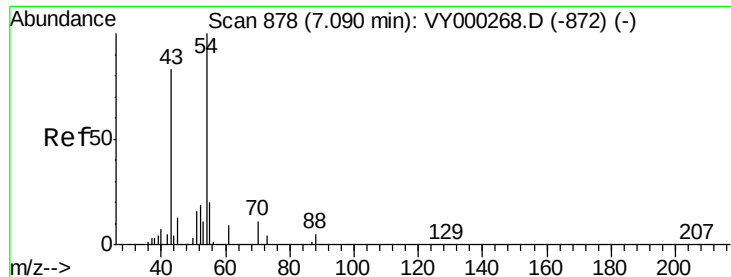
Tot Ion:113 Resp: 131694
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 19.5 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000299.D
 Acq: 14 Oct 2019 15:13

Tgt Ion: 75 Resp: 18649
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.4#
 77 0.0 25.0 37.6#

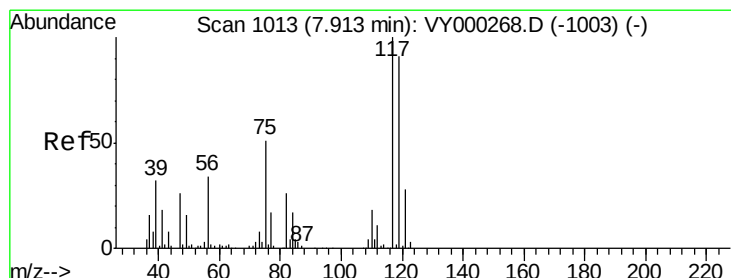
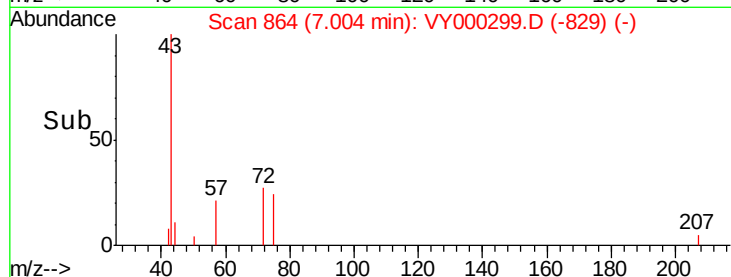
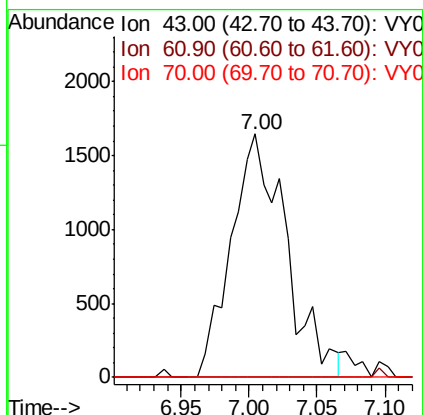
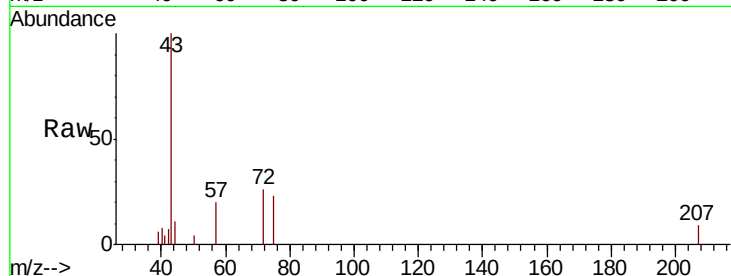




#37
Ethyl Acetate
Concen: 1.811 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

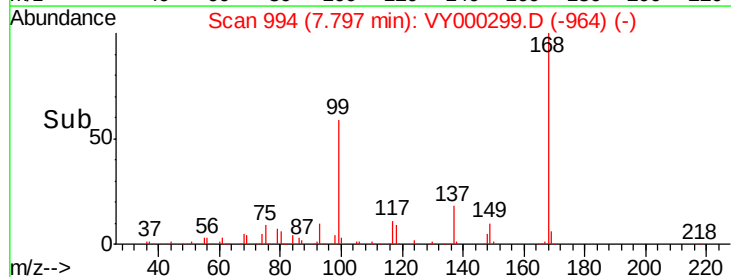
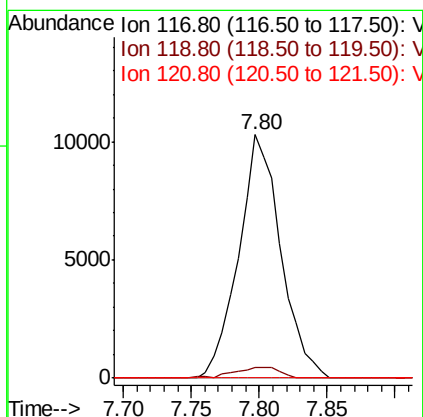
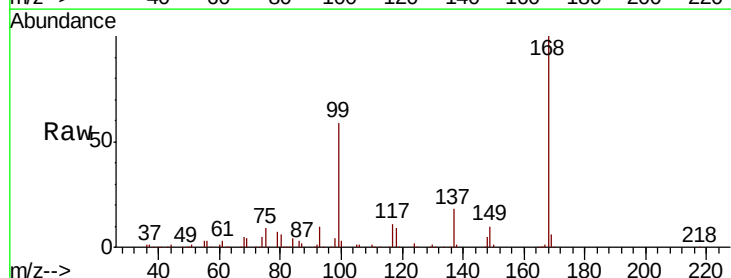
Instrument :
MSVOA_Y
ClientSampleId :

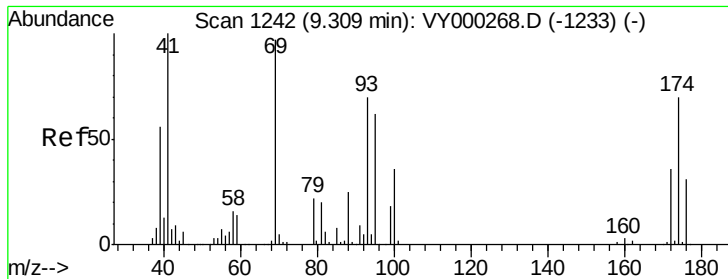
Tot Ion: 43 Resp: 4622
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Tgt Ion: 117 Resp: 22251
Ion Ratio Lower Upper
117 100
119 4.3 72.8 109.2#
121 0.0 22.2 33.2#





#49

1,4-Dioxane

Concen: 1.288 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.20 min

Lab File: VY000299.D

Acq: 14 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

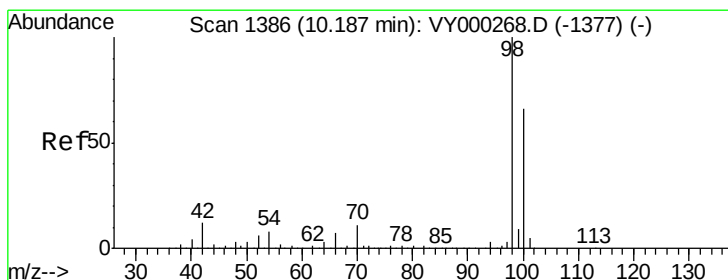
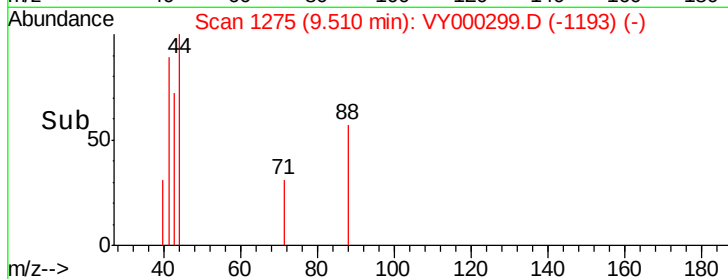
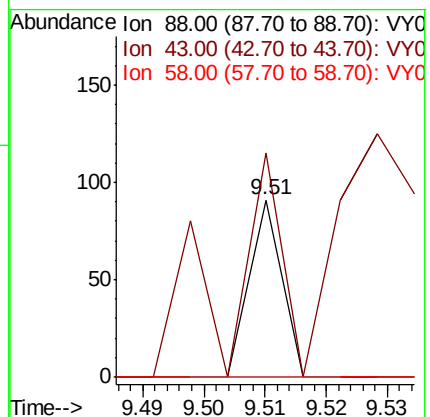
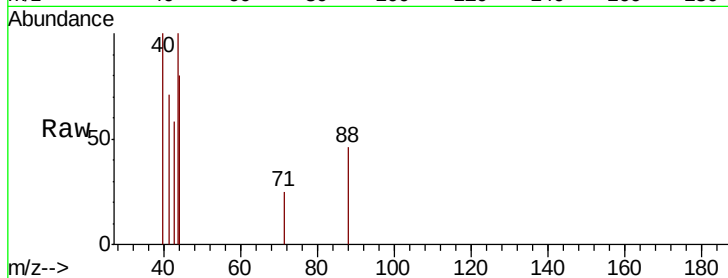
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 127.3 25.6 38.4#

58 0.0 54.6 81.8#



#50

Toluene-d8

Concen: 50.396 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000299.D

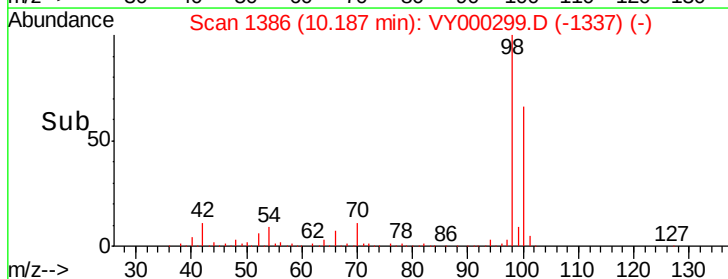
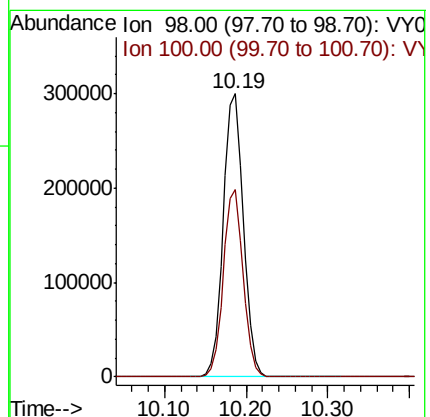
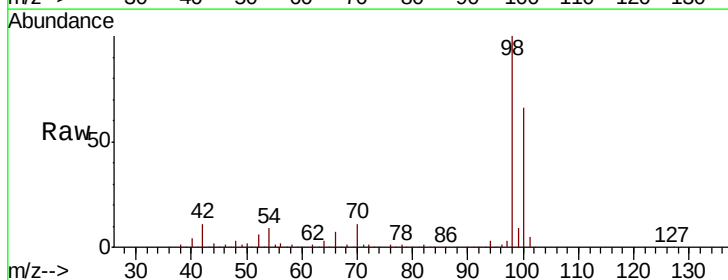
Acq: 14 Oct 2019 15:13

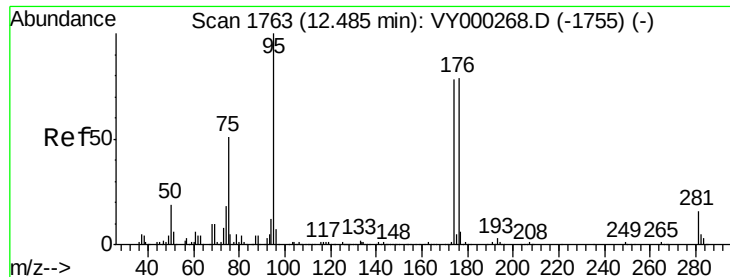
Tgt Ion: 98 Resp: 514921

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2

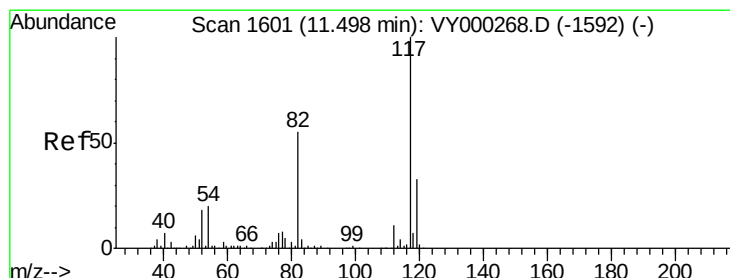
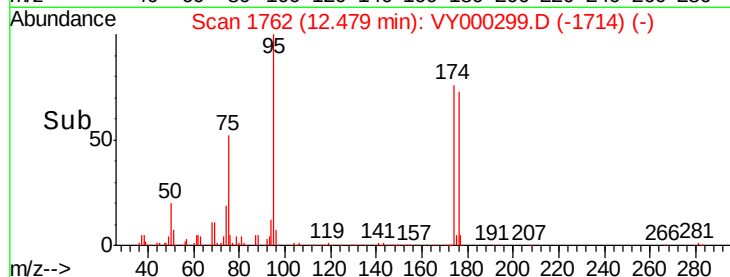
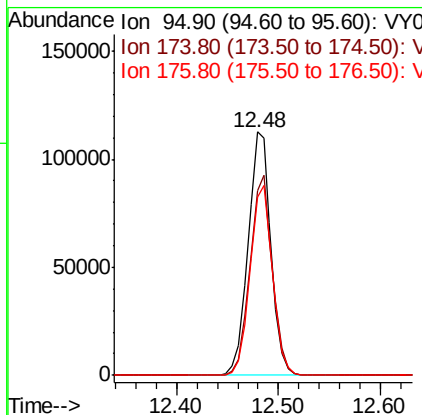
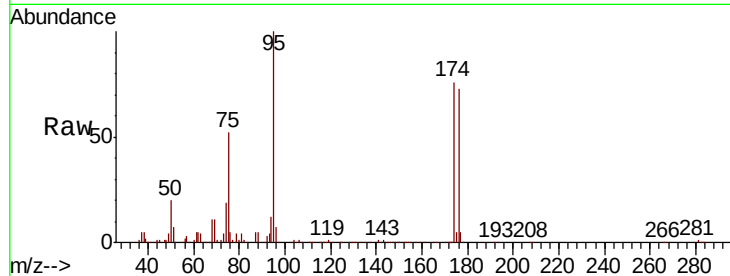




#62
4-Bromofluorobenzene
Concen: 45.077 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

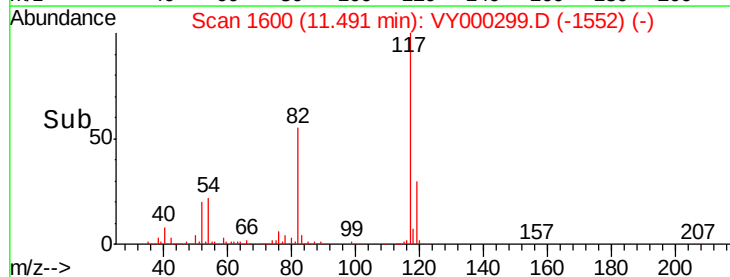
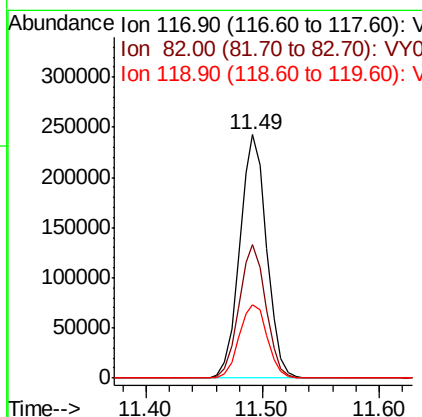
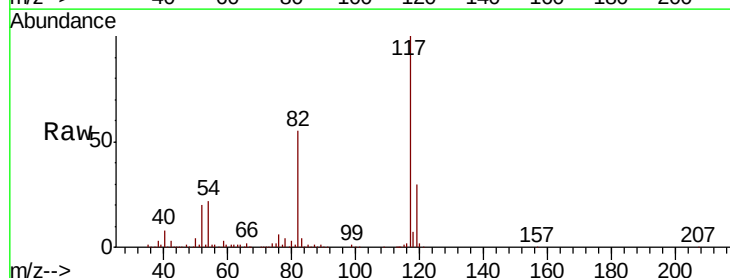
Instrument :
MSVOA_Y
ClientSampleId :

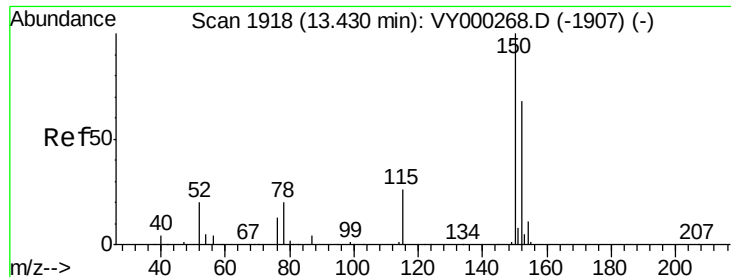
Tot Ion: 95 Resp: 174978
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.6
176 77.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Tgt Ion: 117 Resp: 388311
Ion Ratio Lower Upper
117 100
82 55.0 43.7 65.5
119 30.3 26.6 39.8



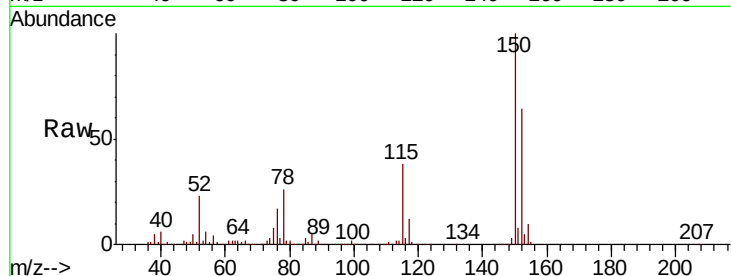


#72

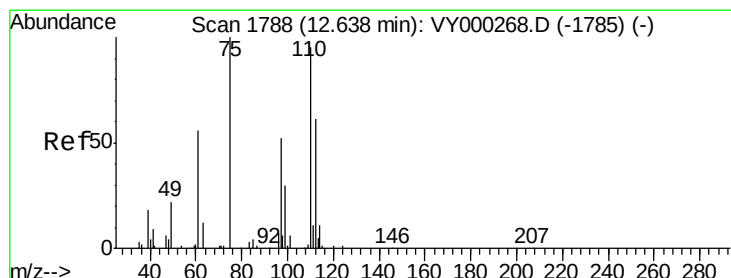
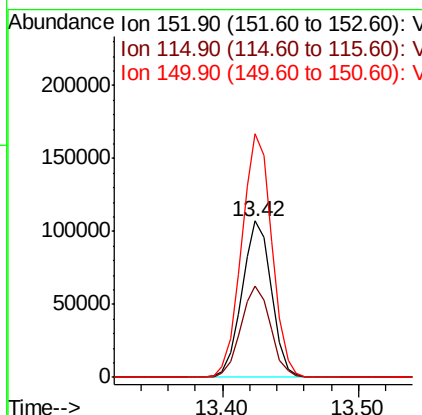
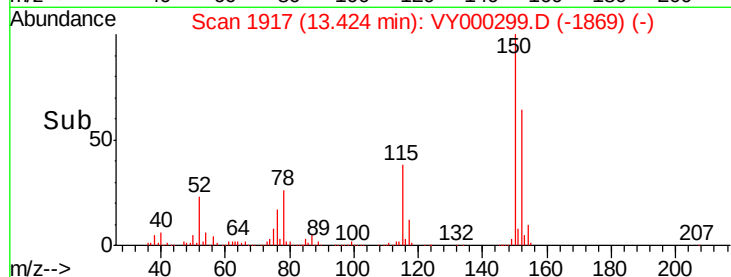
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	88.0
150	158.9	0.0	348.4



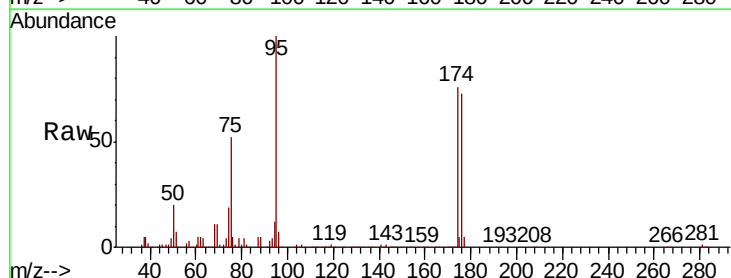
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



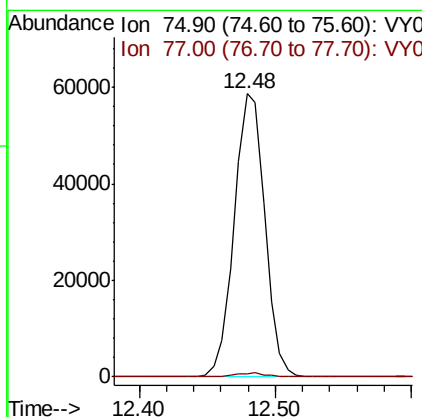
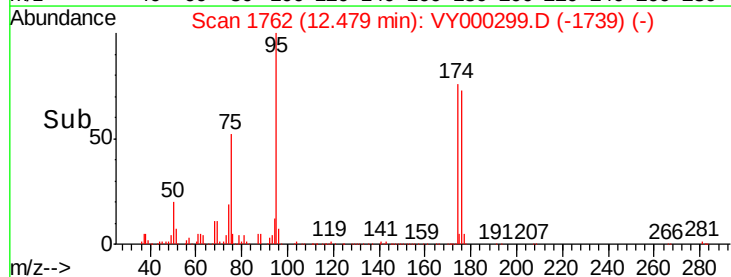
#76

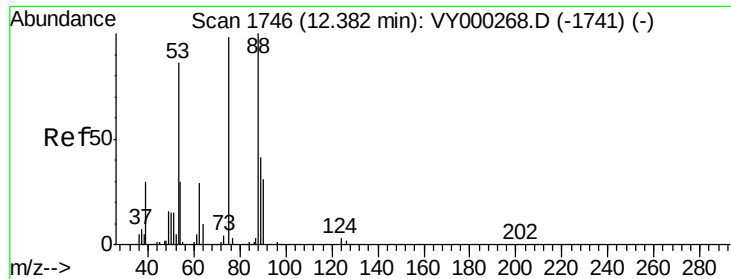
1,2,3-Trichloropropane
Concen: 46.027 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

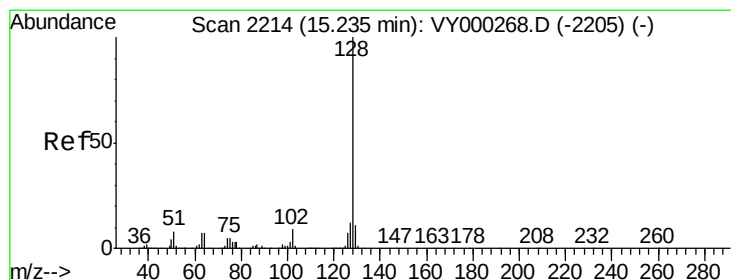
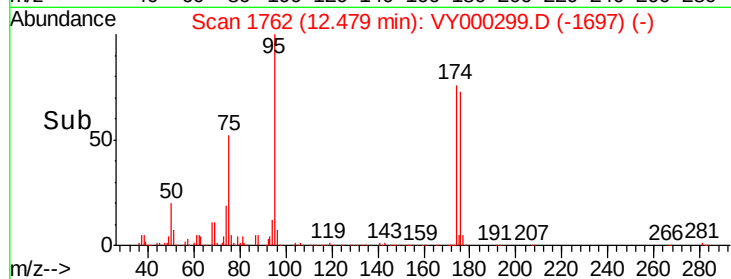
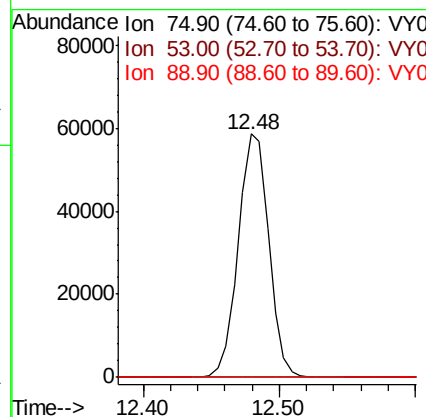
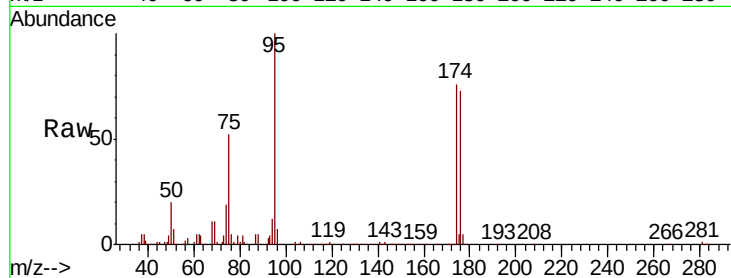




#81
trans-1,4-Dichloro-2-butene
Concen: 100.706 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 91733
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 1.393 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY000299.D
Acq: 14 Oct 2019 15:13

Tgt Ion:128 Resp: 10849
Ion Ratio Lower Upper
128 100
127 14.7 9.6 14.4#
129 13.3 8.7 13.1#

