

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000412.D
 Acq On : 24 Oct 2019 16:13
 Operator : SY/MD
 Sample : K5499-14
 Misc : 6.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 06:40:34 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

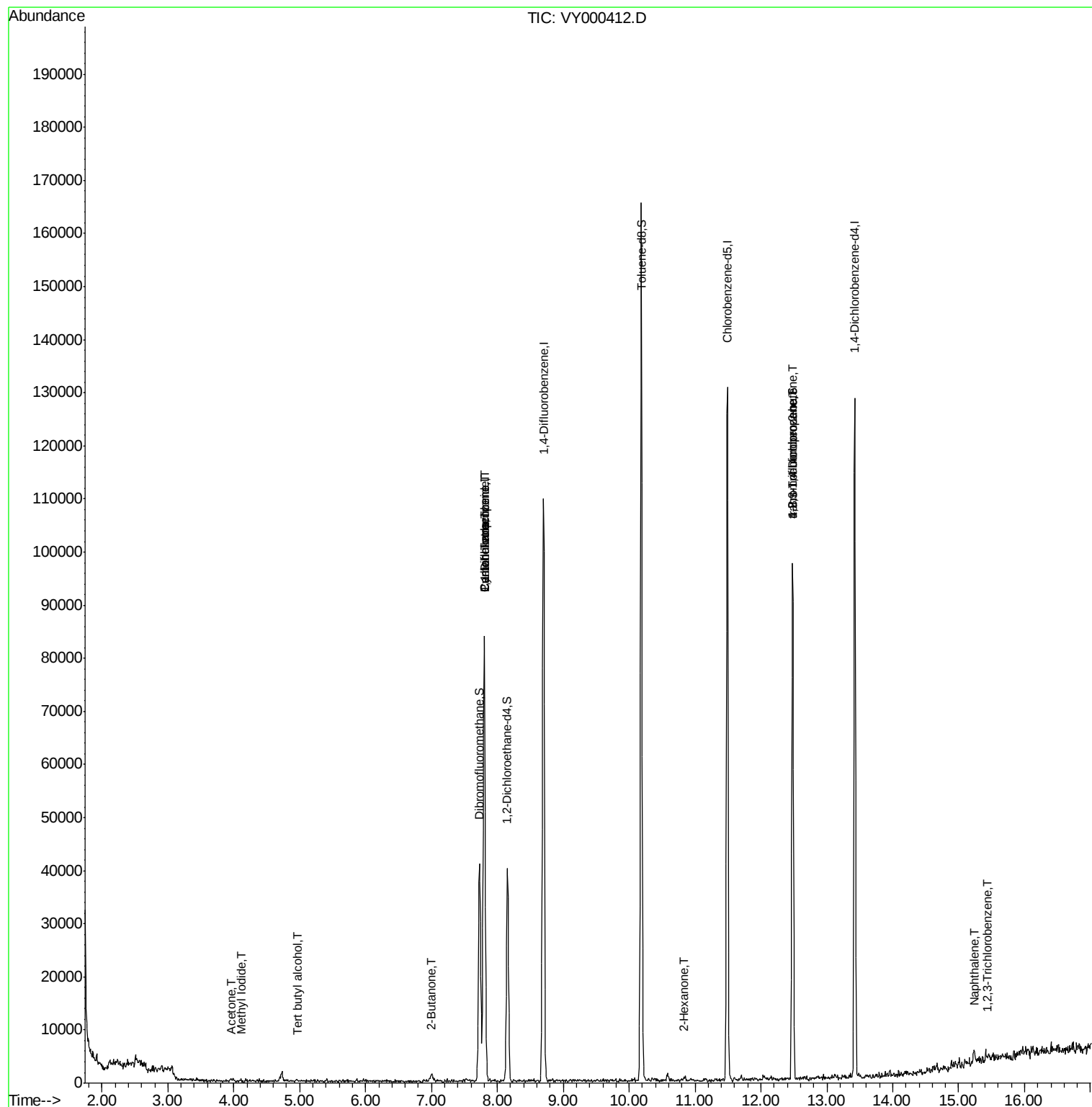
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	63024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	97241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	72902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	30509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	31180	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	7.73	113	27790	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	10.18	98	105366	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.48	95	29568	34.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.87	85	24	Below Cal	#	41
10) Methyl Iodide	4.10	142	50	1.239	ug/l #	41
11) Tert butyl alcohol	4.97	59	154	2.214	ug/l #	91
16) Acetone	3.96	43	734	3.409	ug/l #	42
20) Methylene Chloride	4.71	84	1188	Below Cal	#	40
25) 2-Butanone	7.00	43	319	1.052	ug/l #	48
31) Cyclohexane	7.80	56	1528	1.201	ug/l #	63
36) 1,1-Dichloropropene	7.80	75	4556	4.785	ug/l #	43
38) Carbon Tetrachloride	7.80	117	6528	7.082	ug/l #	19
59) 2-Hexanone	10.83	43	637	1.642	ug/l	69
76) 1,2,3-Trichloropropane	12.48	75	15649	41.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	15649	91.267	ug/l #	14
95) Naphthalene	15.23	128	2004	1.366	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.43	180	614	1.037	ug/l #	73

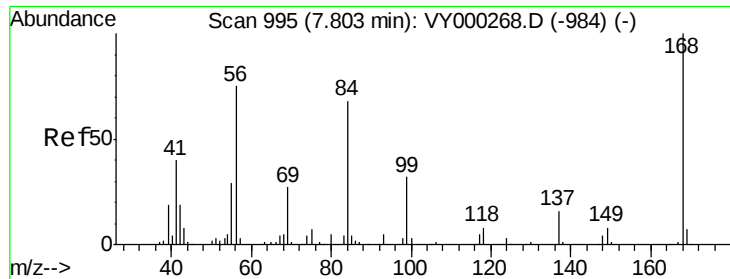
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

Instrument :

MSVOA_Y

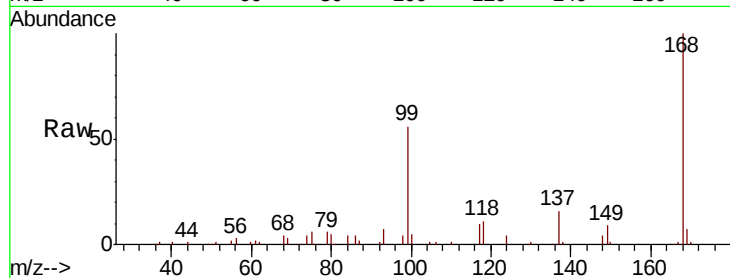
ClientSampleId :

Tot Ion:168 Resp: 63024

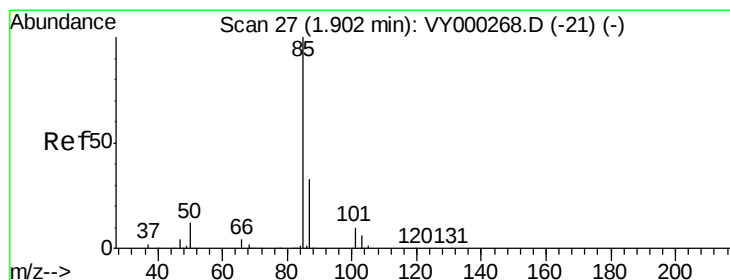
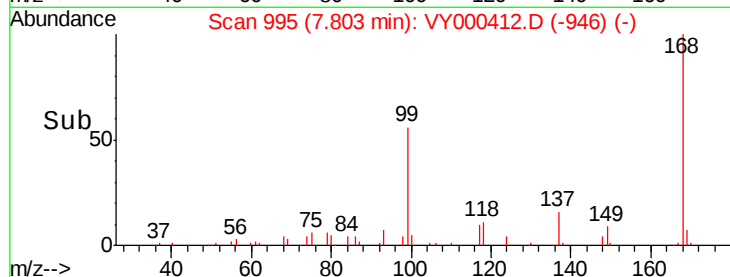
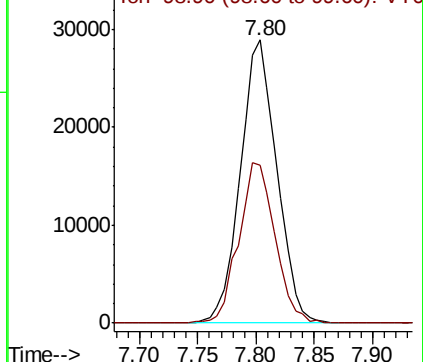
Ion Ratio Lower Upper

168 100

99 55.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000412.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.87 min Scan# 21

Delta R.T. -0.04 min

Lab File: VY000412.D

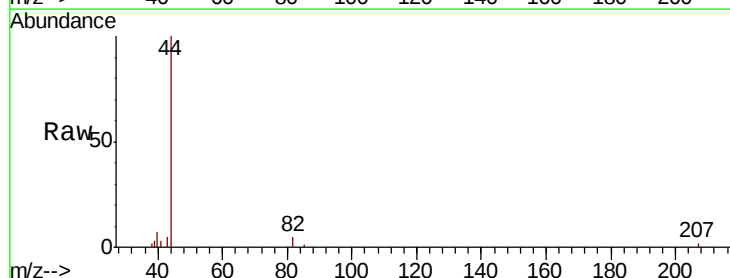
Acq: 24 Oct 2019 16:13

Tgt Ion: 85 Resp: 24

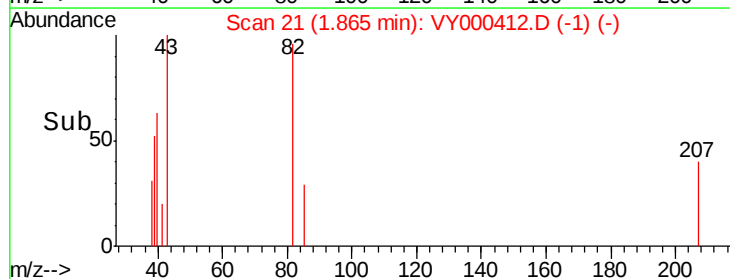
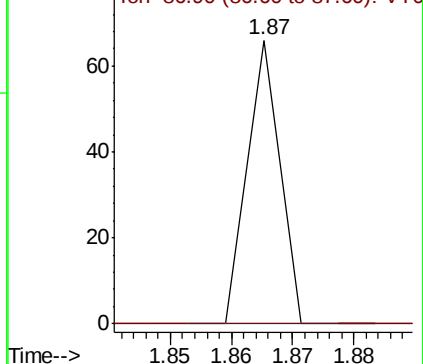
Ion Ratio Lower Upper

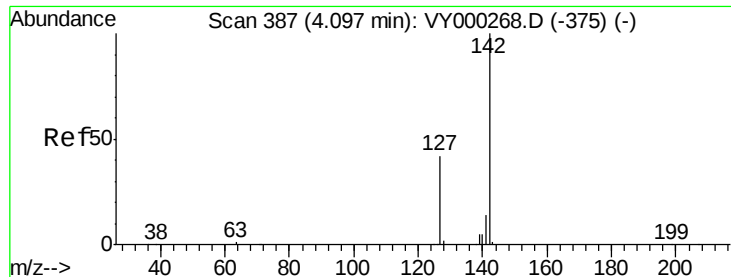
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000412.D (-1) (-)

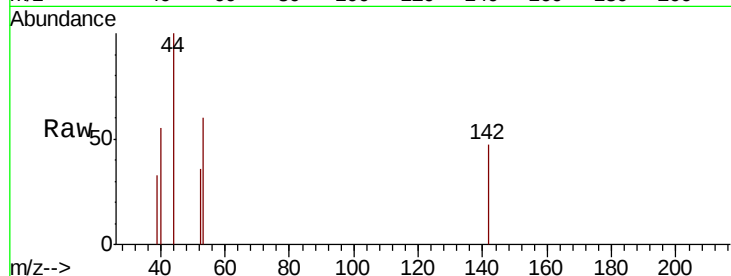




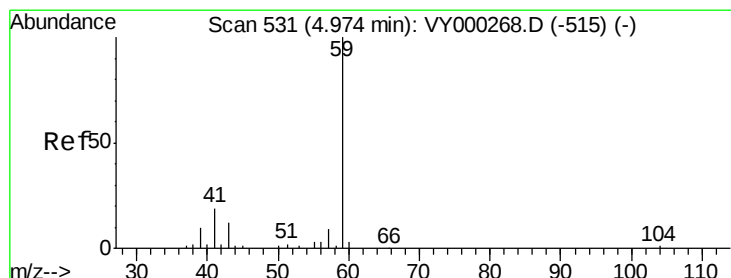
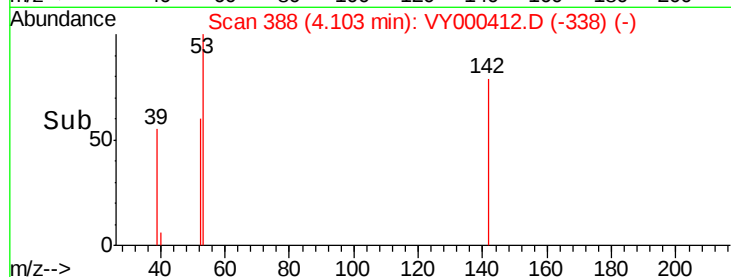
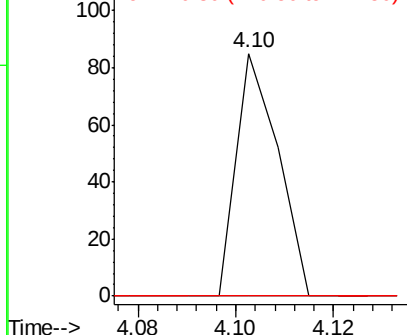
#10
Methyl Iodide
Concen: 1.239 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

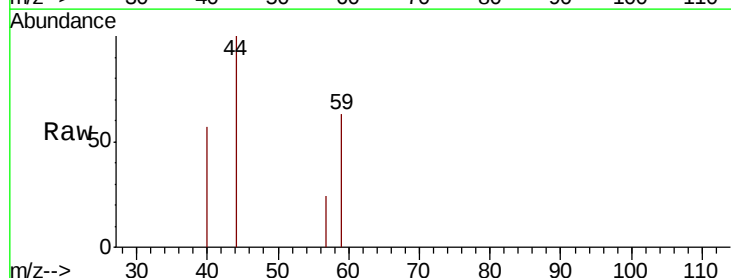


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

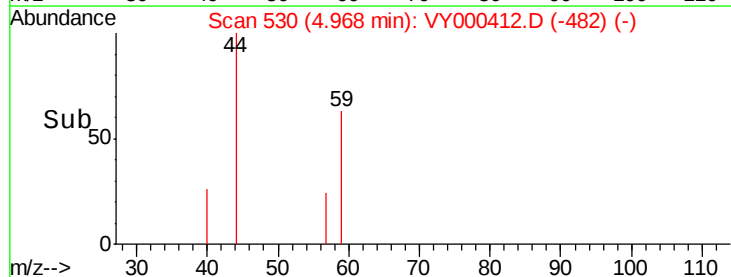
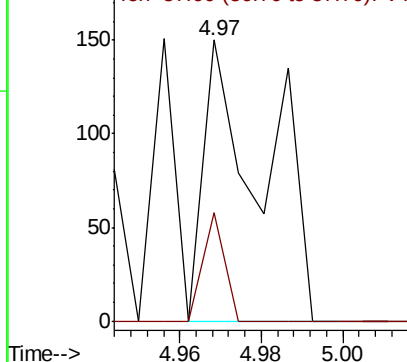


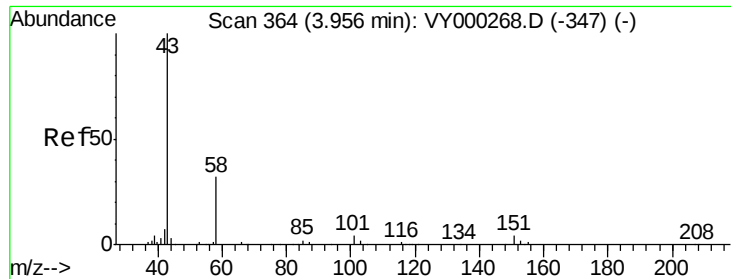
#11
Tert butyl alcohol
Concen: 2.214 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 13.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 3.409 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

Instrument :

MSVOA_Y

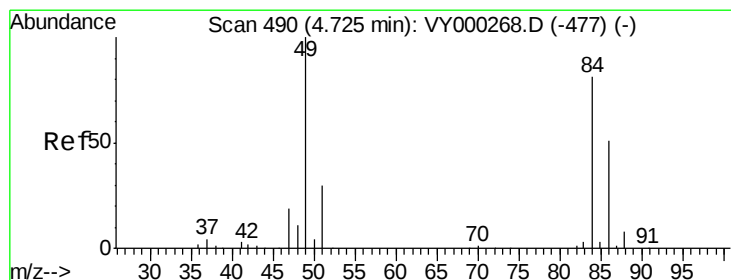
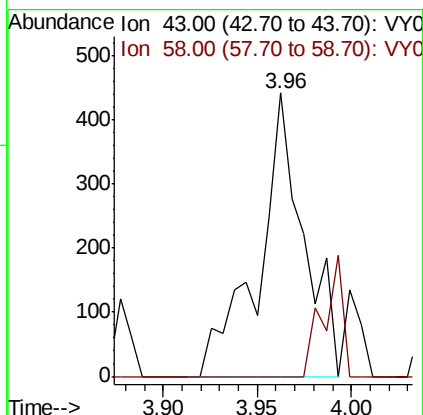
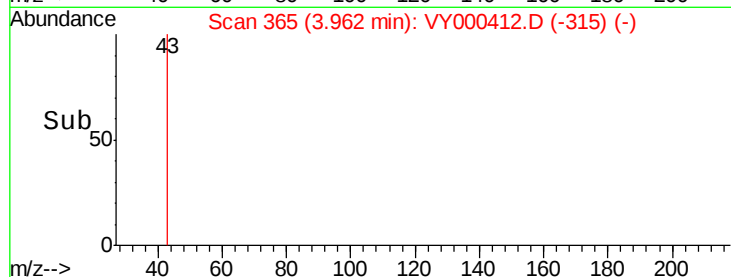
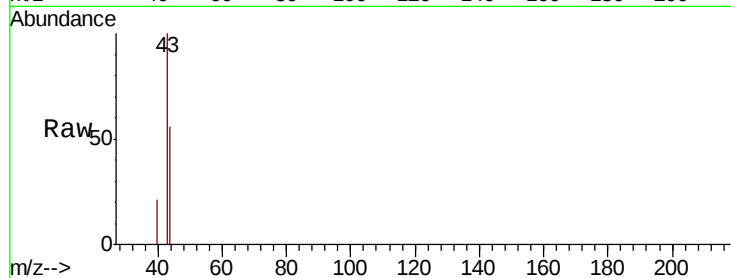
ClientSampleId :

Tot Ion: 43 Resp: 734

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

Tgt Ion: 84 Resp: 1188

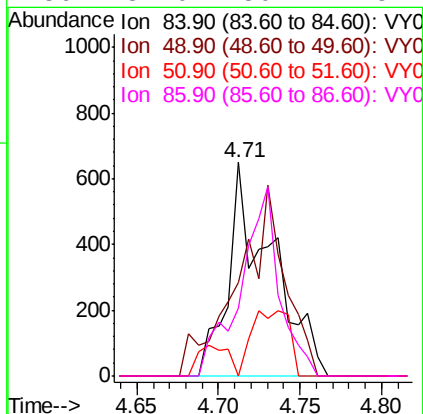
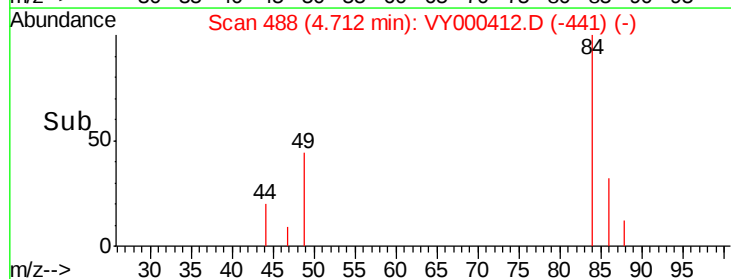
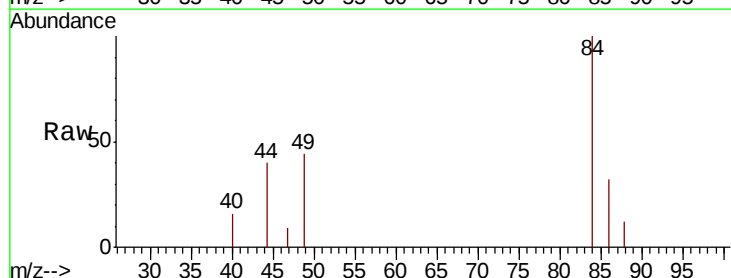
Ion Ratio Lower Upper

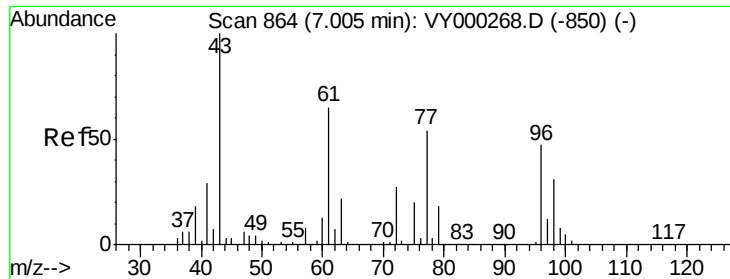
84 100

49 44.0 99.0 148.4#

51 0.0 29.3 43.9#

86 32.0 50.2 75.4#





#25

2-Butanone

Concen: 1.052 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

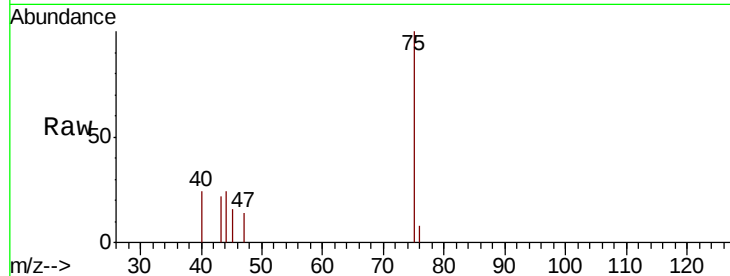
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 319

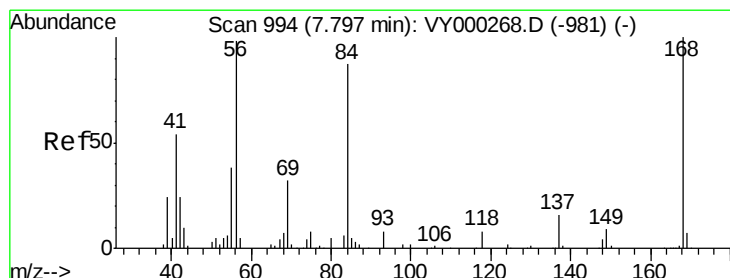
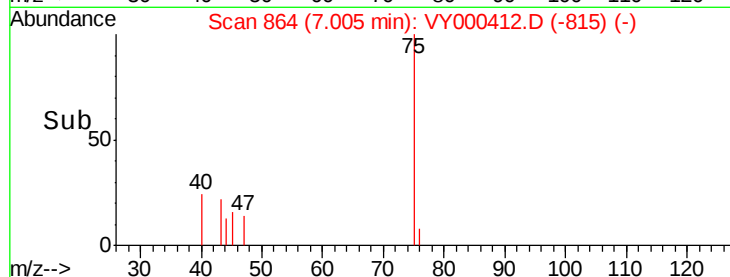
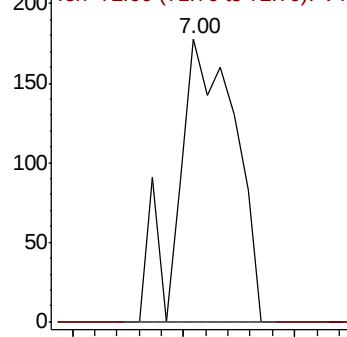
Ion Ratio Lower Upper

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



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

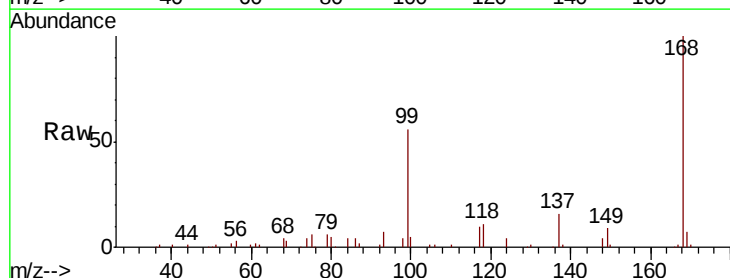
Tgt Ion: 56 Resp: 1528

Ion Ratio Lower Upper

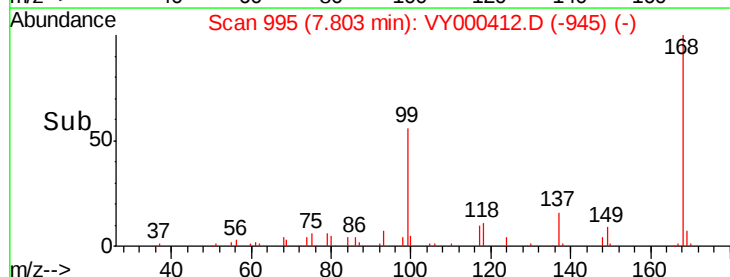
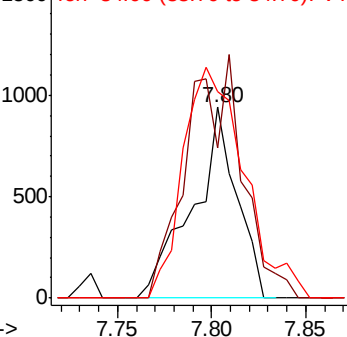
56 100

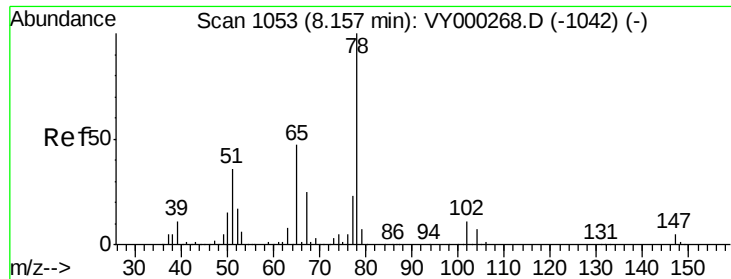
69 78.6 26.3 39.5#

84 108.2 70.8 106.2#



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





#33

1,2-Dichloroethane-d4

Concen: 46.901 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

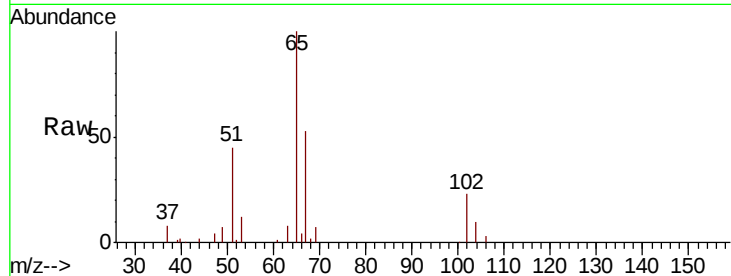
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 31180

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY000412.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000412.D (-1042) (-)

8.15

15000

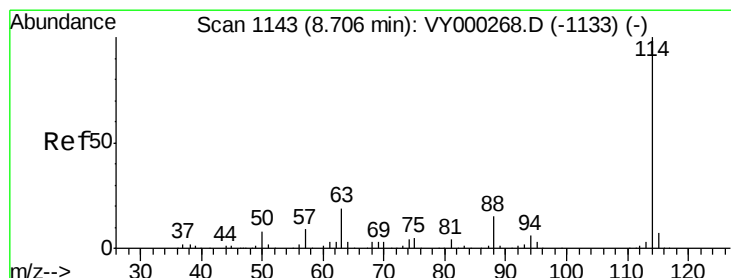
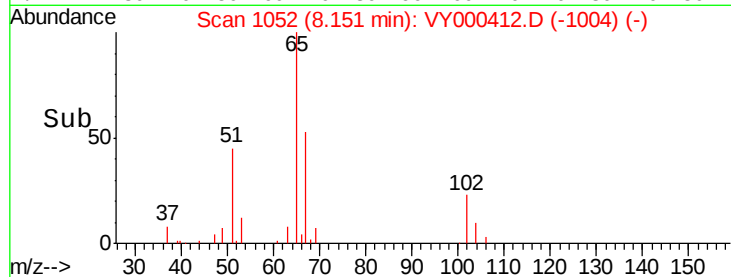
10000

5000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

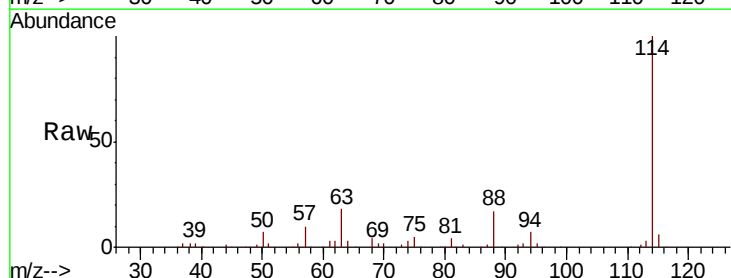
Tgt Ion: 114 Resp: 97241

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.2

88 16.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VY000412.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY000412.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY000412.D (-1094) (-)

8.70

60000

50000

40000

30000

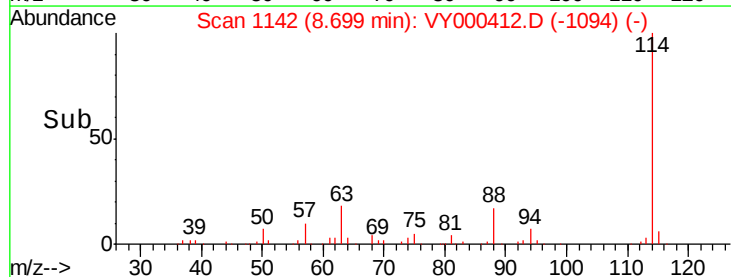
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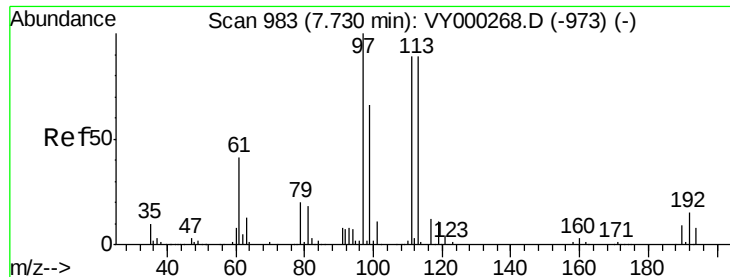
10000

0

8.60 8.65 8.70 8.75 8.80

Time-->

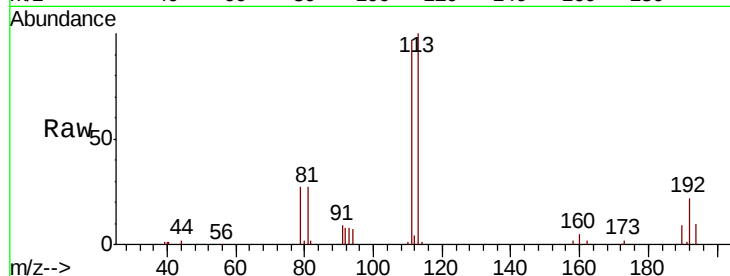




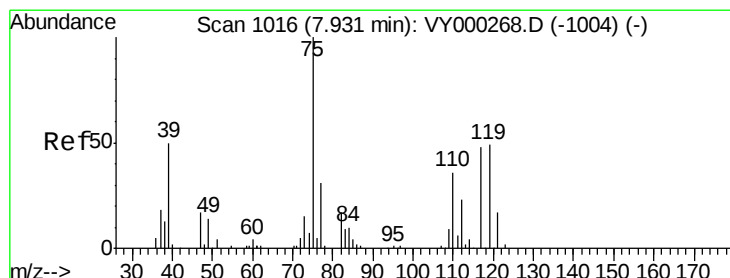
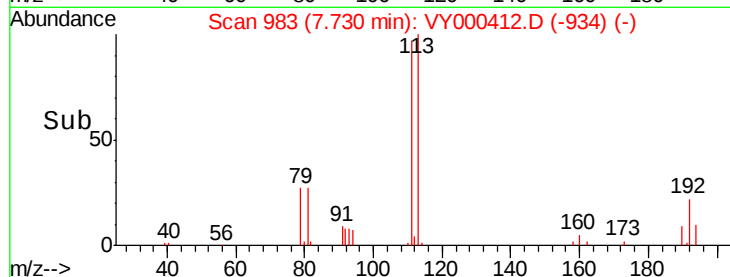
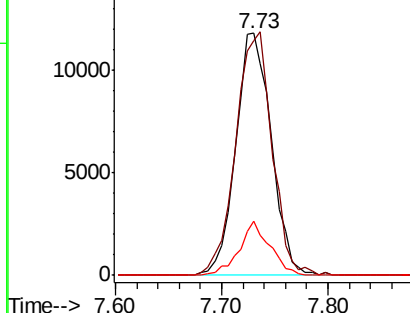
#35
 Dibromofluoromethane
 Concen: 47.377 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000412.D
 Acq: 24 Oct 2019 16:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 27790
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.6 122.4
 192 19.2 15.3 22.9

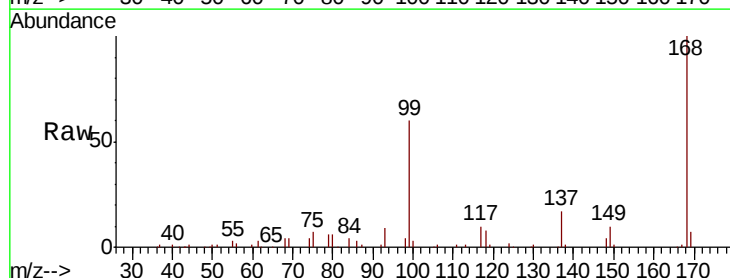


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

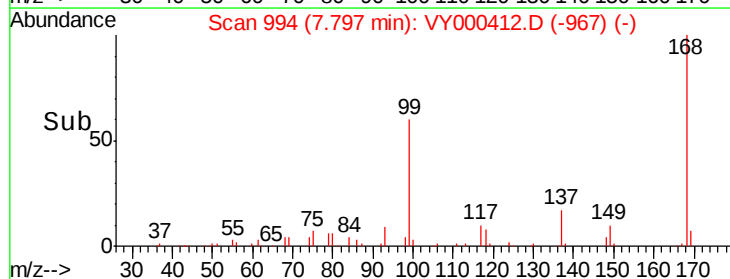
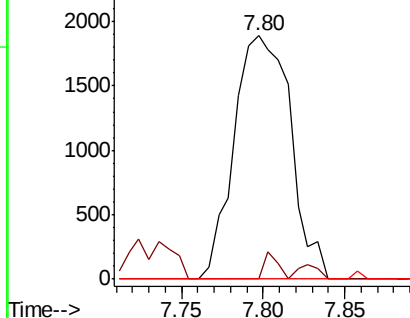


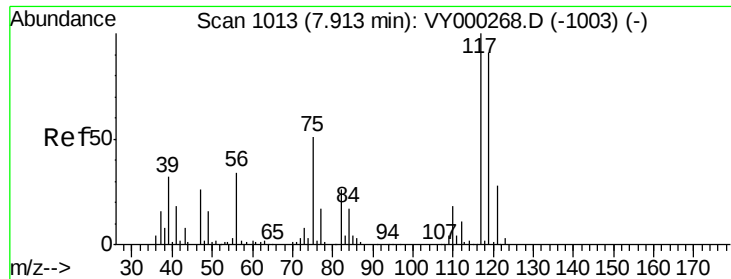
#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000412.D
 Acq: 24 Oct 2019 16:13

Tgt Ion: 75 Resp: 4556
 Ion Ratio Lower Upper
 75 100
 110 2.7 18.4 55.4#
 77 0.0 25.0 37.6#



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

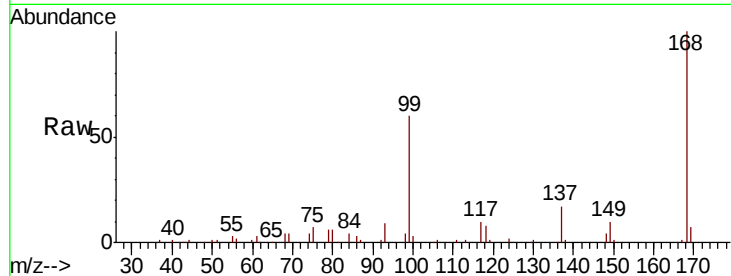




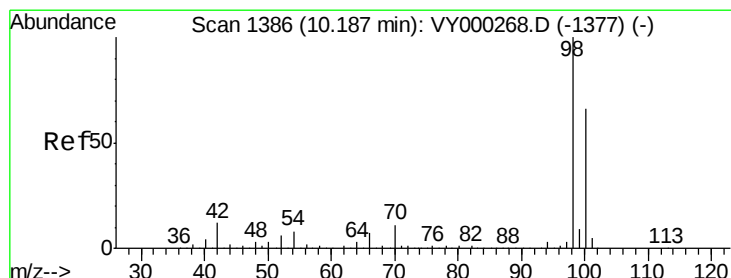
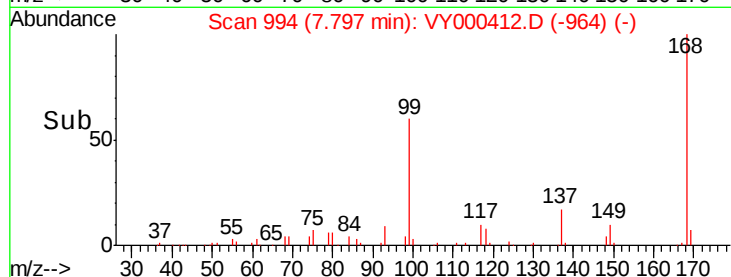
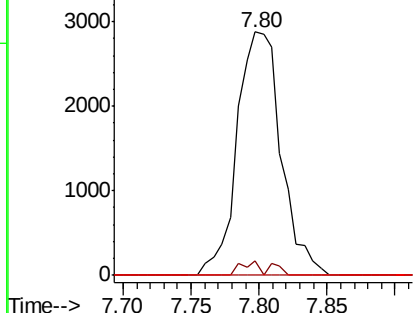
#38
Carbon Tetrachloride
Concen: 7.082 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 6528
Ion Ratio Lower Upper
117 100
119 6.1 72.8 109.2#
121 0.0 22.2 33.2#

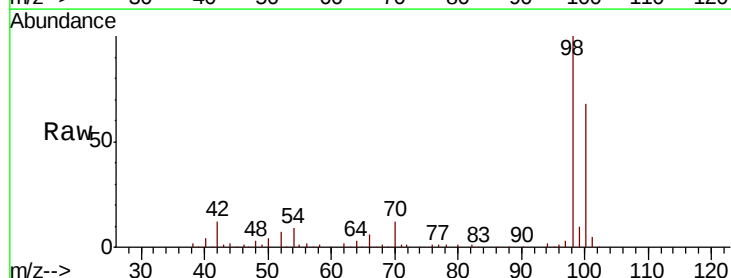


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

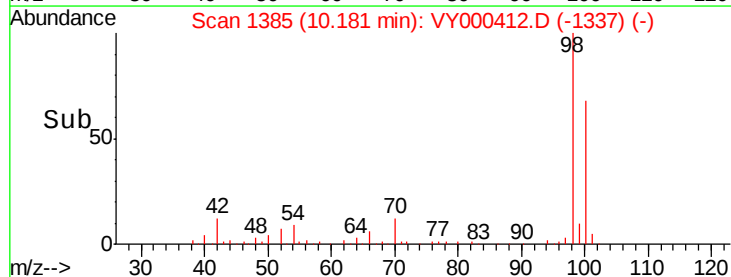
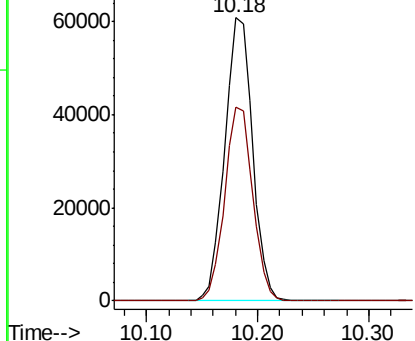


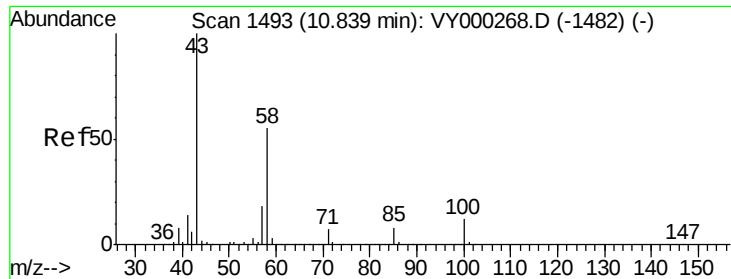
#50
Toluene-d8
Concen: 46.697 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Tgt Ion: 98 Resp: 105366
Ion Ratio Lower Upper
98 100
100 69.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

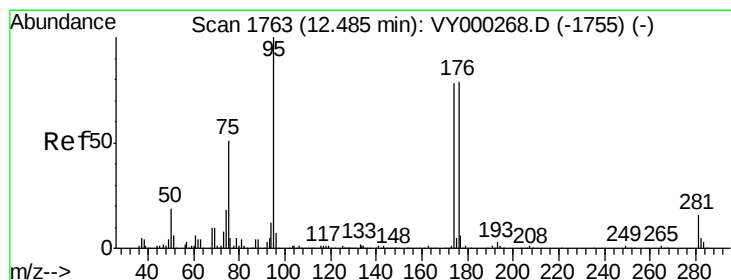
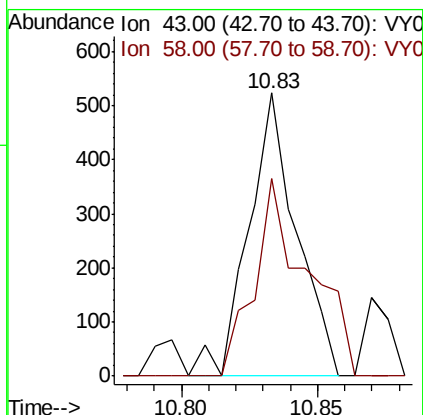
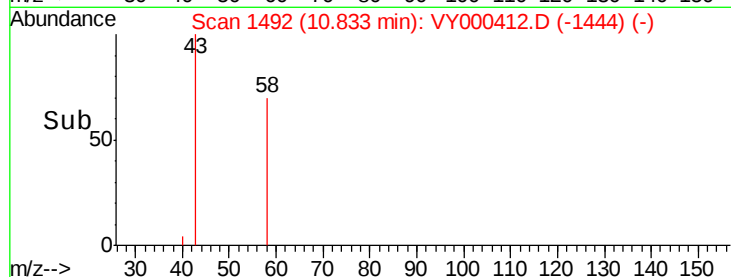
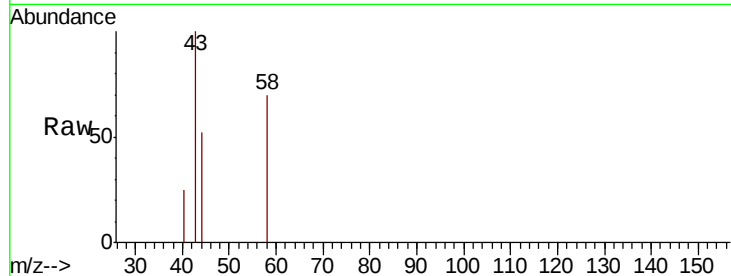




#59
2-Hexanone
Concen: 1.642 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

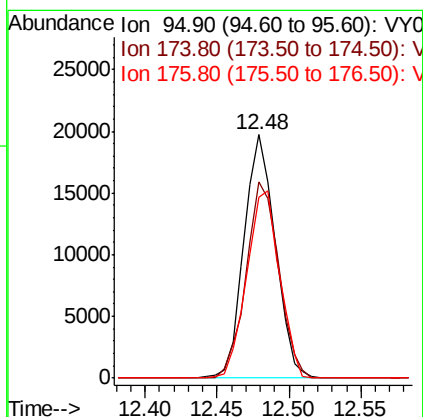
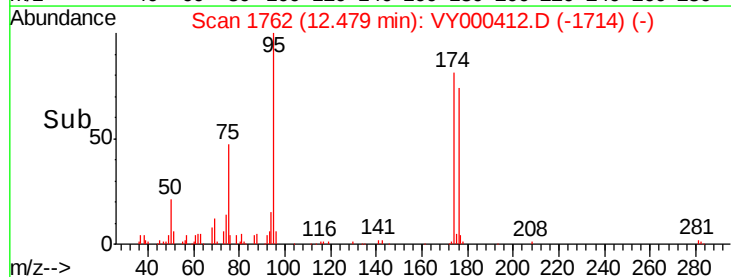
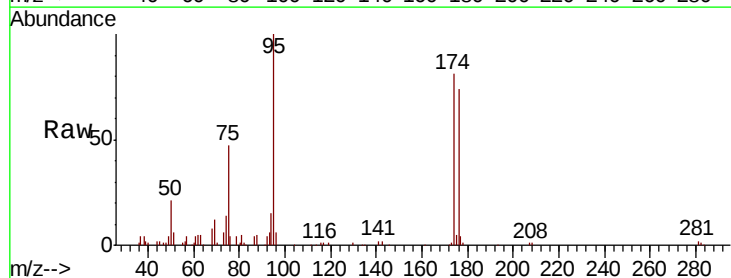
Instrument :
MSVOA_Y
ClientSampleId :

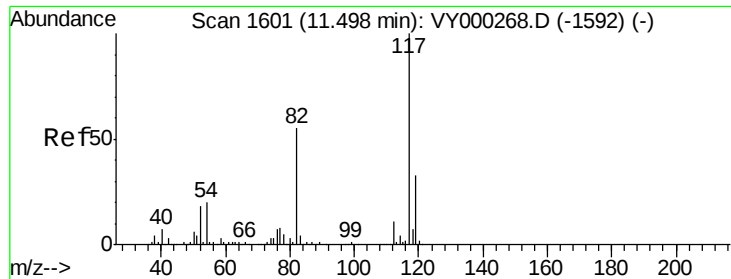
Tot Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 77.6 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 34.493 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Tgt Ion: 95 Resp: 29568
Ion Ratio Lower Upper
95 100
174 84.1 0.0 159.6
176 80.9 0.0 153.8

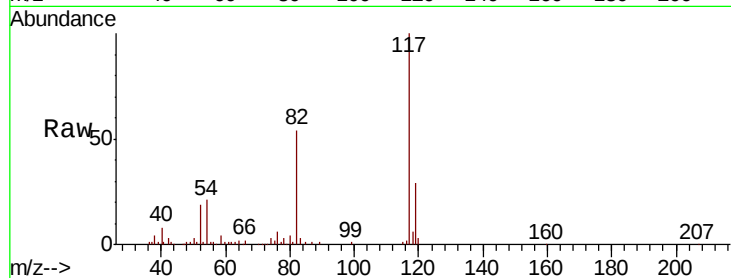




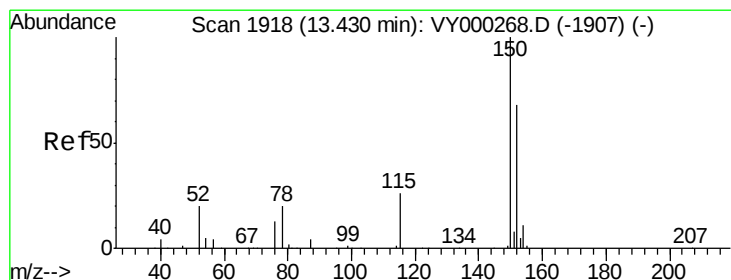
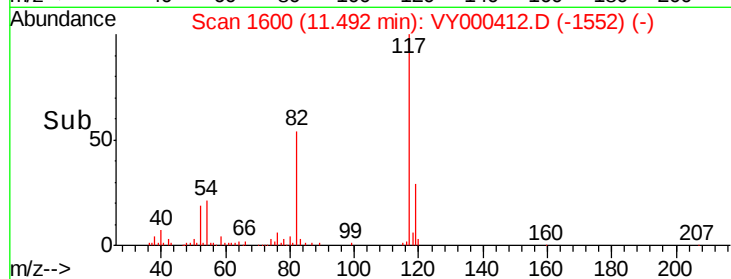
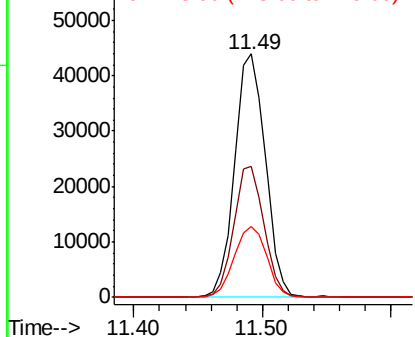
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 72902
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 29.0 26.6 39.8

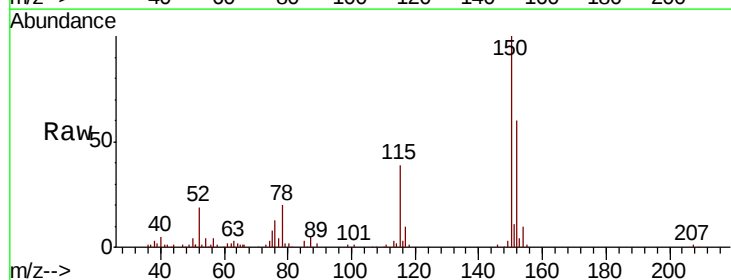


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

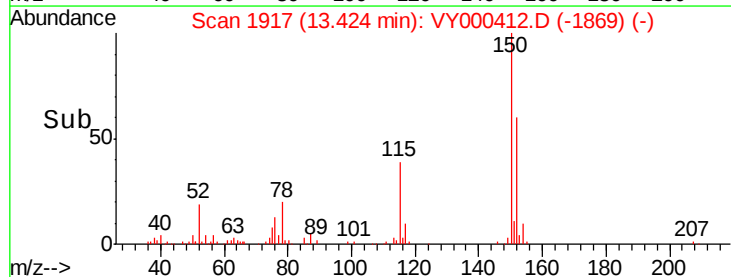
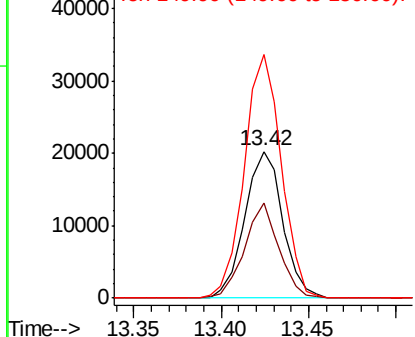


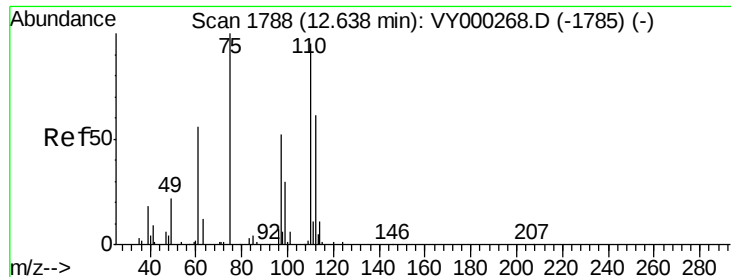
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Tgt Ion:152 Resp: 30509
Ion Ratio Lower Upper
152 100
115 58.5 29.3 88.0
150 161.7 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: 41.713 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

Instrument :

MSVOA_Y

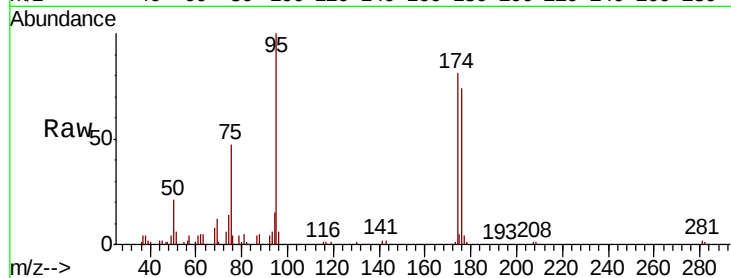
ClientSampled :

Tot Ion: 75 Resp: 15649

Ion Ratio Lower Upper

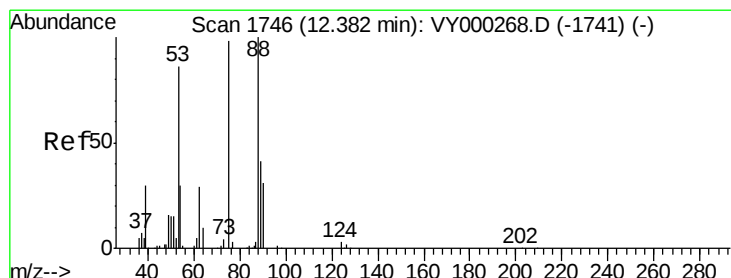
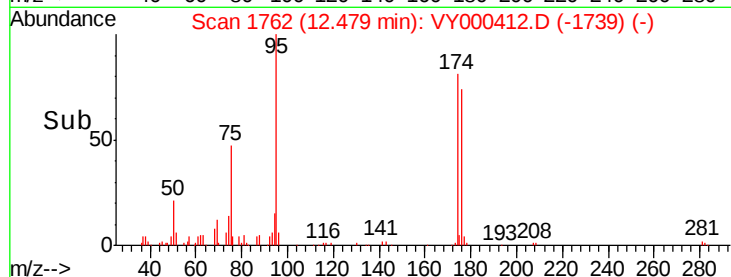
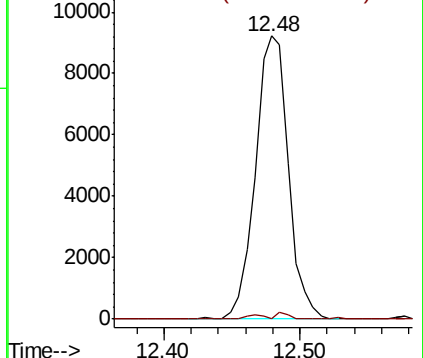
75 100

77 0.8 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: 91.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000412.D

Acq: 24 Oct 2019 16:13

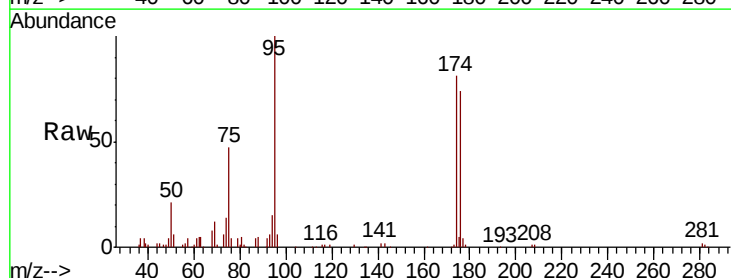
Tgt Ion: 75 Resp: 15649

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

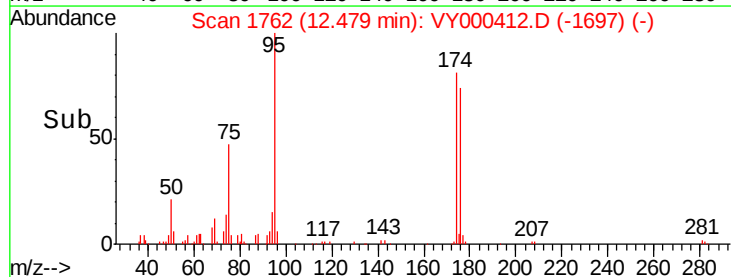
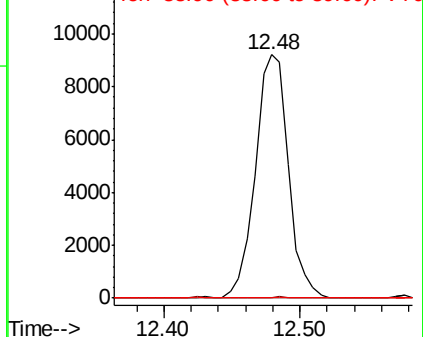
89 0.0 35.1 52.7#

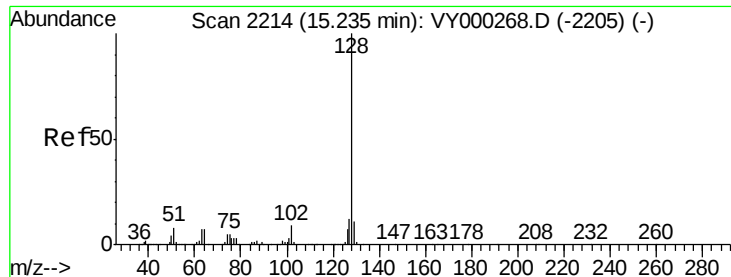


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

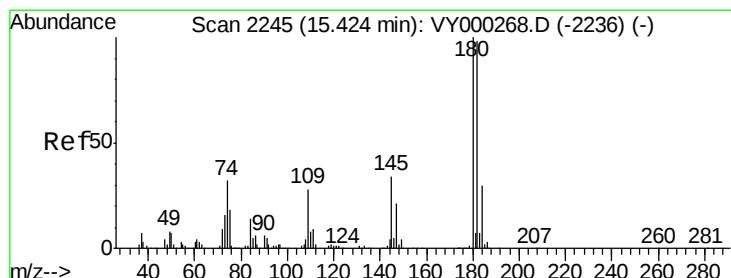
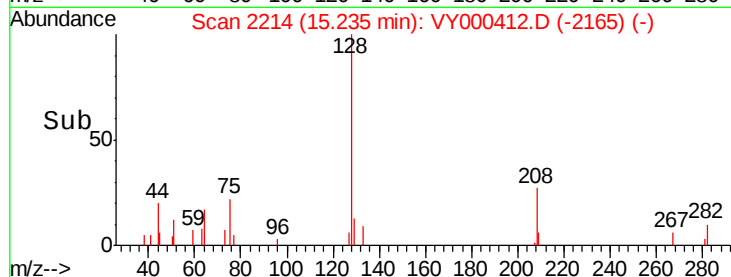
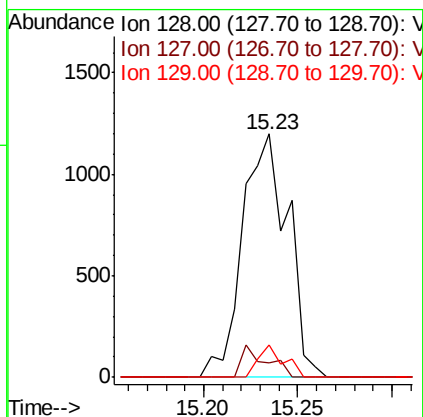
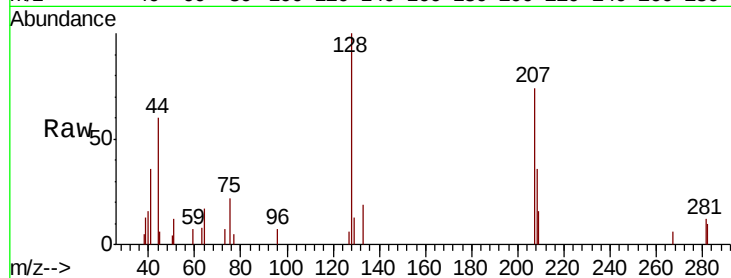




#95
Naphthalene
Concen: 1.366 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 2004
Ion Ratio Lower Upper
128 100
127 7.1 9.6 14.4#
129 7.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.037 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY000412.D
Acq: 24 Oct 2019 16:13

Tgt Ion:180 Resp: 614
Ion Ratio Lower Upper
180 100
182 74.1 46.5 139.5
145 5.0 16.2 48.5#

