

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000451.D
 Acq On : 28 Oct 2019 13:52
 Operator : SY/MD
 Sample : K5564-01
 Misc : 5.73G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:44:53 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	154252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	246969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	183350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	54297	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	81615	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.73	113	74677	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.18	98	275911	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.48	95	64639	29.69	ug/l	0.00
Spiked Amount			Recovery	=	59.38%	

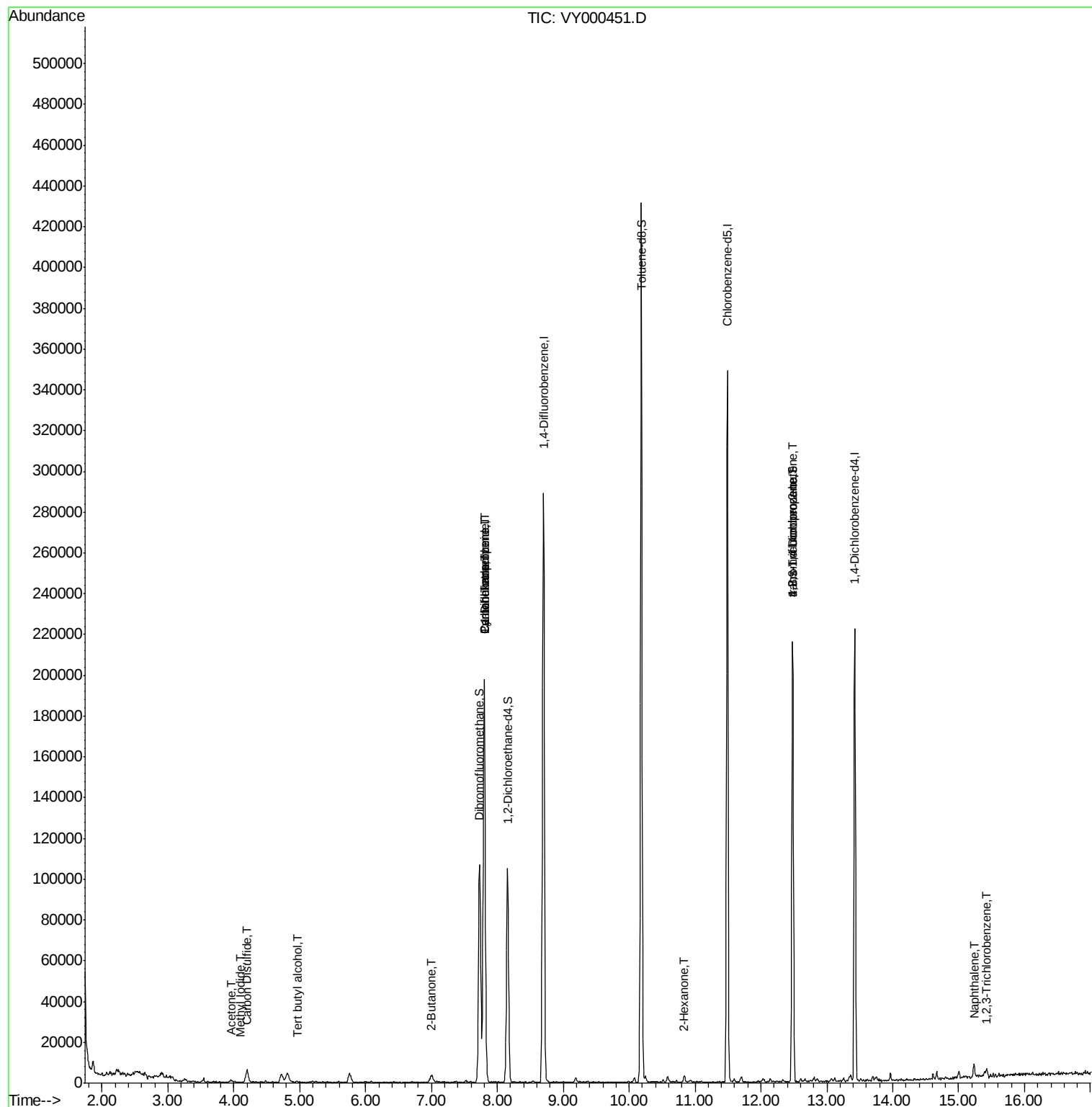
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	108	Below Cal	#	41
10) Methyl Iodide	4.10	142	140	1.247	ug/l #	62
11) Tert butyl alcohol	4.97	59	616	3.618	ug/l #	81
16) Acetone	3.96	43	1890	3.587	ug/l #	54
17) Carbon Disulfide	4.20	76	11503	2.345	ug/l	96
20) Methylene Chloride	4.74	84	2824	Below Cal	#	82
25) 2-Butanone	7.00	43	793	1.068	ug/l #	86
31) Cyclohexane	7.80	56	3961	1.272	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	11609	4.801	ug/l #	44
38) Carbon Tetrachloride	7.80	117	14209	6.069	ug/l #	17
59) 2-Hexanone	10.84	43	1894	1.922	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	34020	50.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	34020	111.484	ug/l #	14
95) Naphthalene	15.23	128	4864	1.864	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.43	180	1362	1.292	ug/l	84

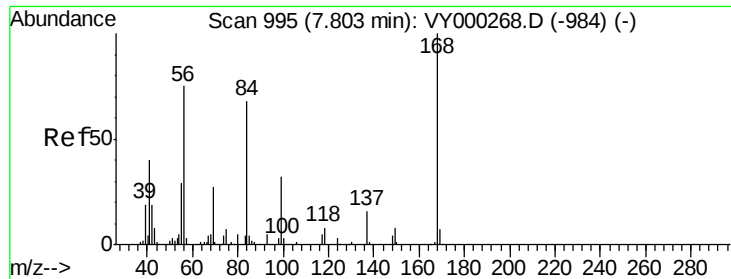
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000451.D

Acq: 28 Oct 2019 13:52

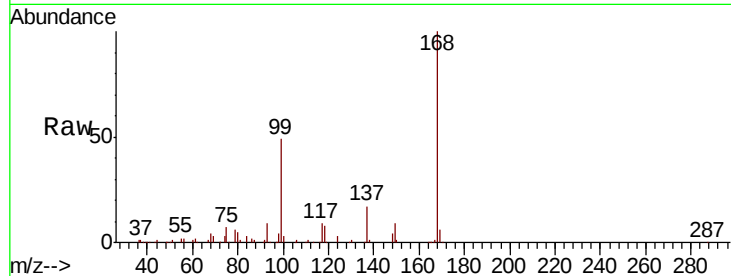
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 154252

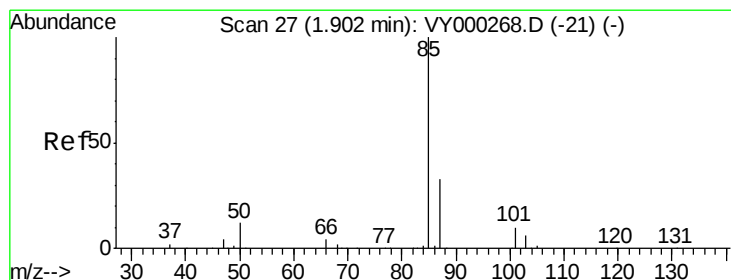
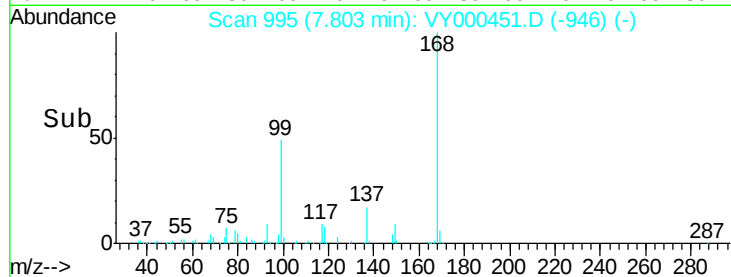
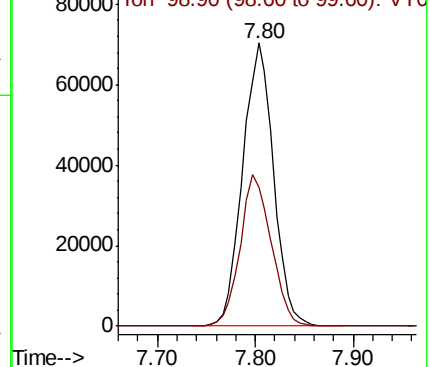
Ion Ratio Lower Upper

168 100

99 49.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000451.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000451.D

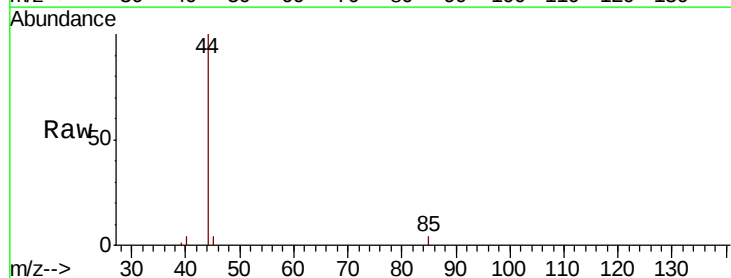
Acq: 28 Oct 2019 13:52

Tgt Ion: 85 Resp: 108

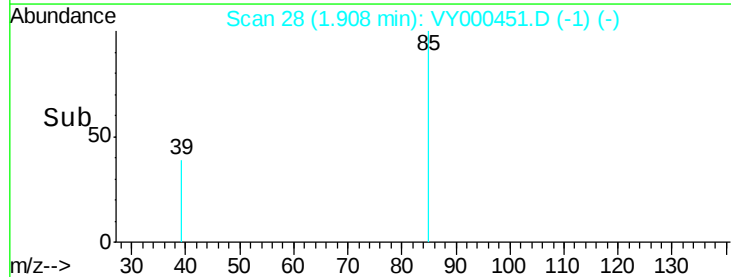
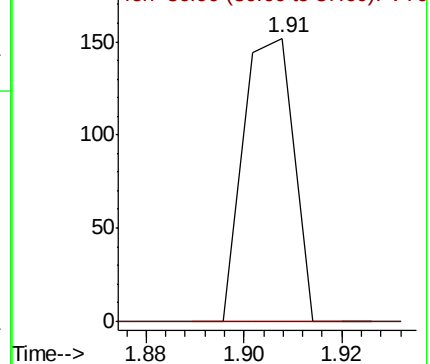
Ion Ratio Lower Upper

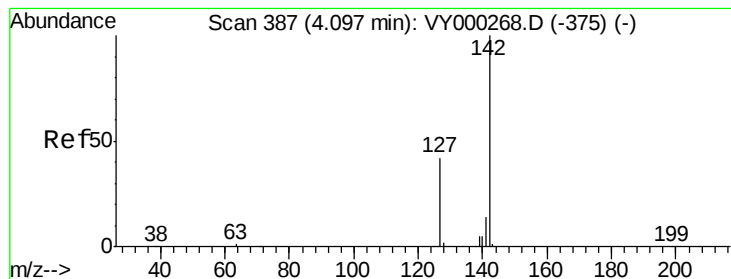
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000451.D (-1) (-)





#10

Methyl Iodide

Concen: 1.247 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

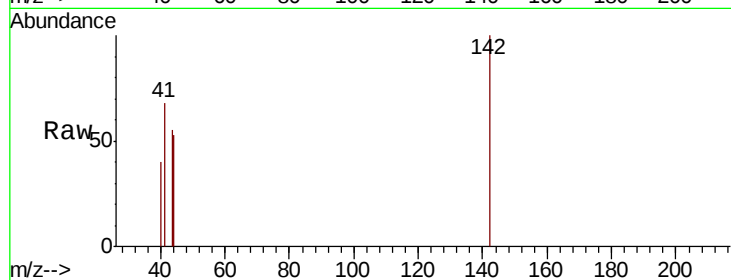
Tot Ion: 142 Resp: 140

Ion Ratio Lower Upper

142 100

127 17.9 33.9 50.9#

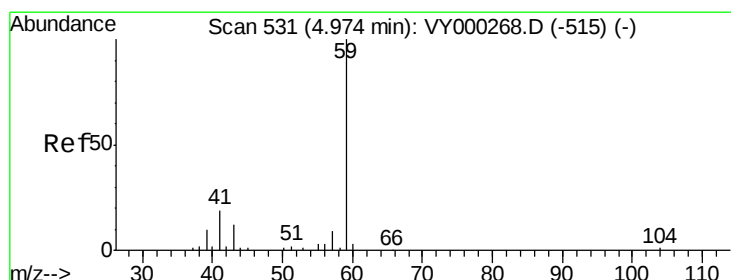
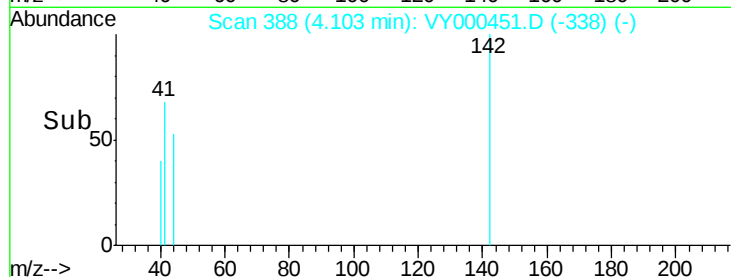
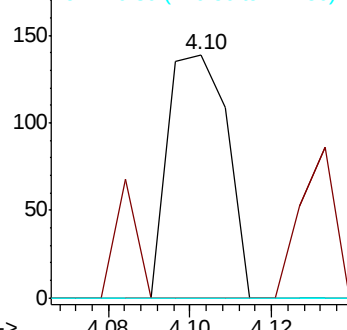
141 0.0 11.2 16.8#



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: 3.618 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.00 min

Lab File: VY000451.D

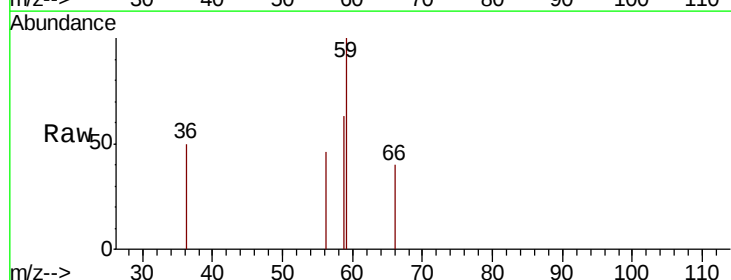
Acq: 28 Oct 2019 13:52

Tgt Ion: 59 Resp: 616

Ion Ratio Lower Upper

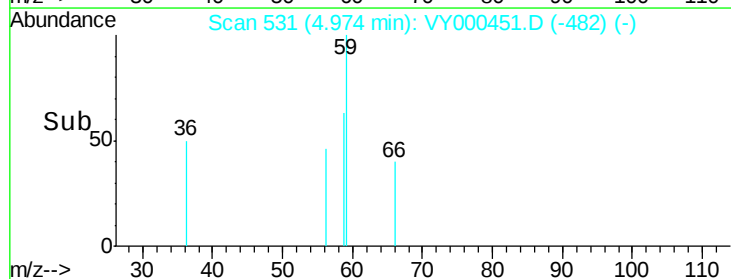
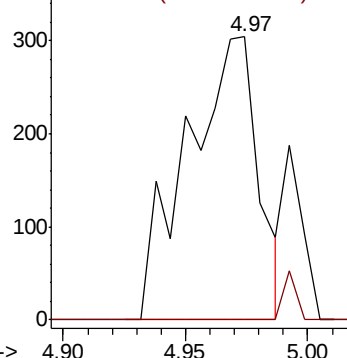
59 100

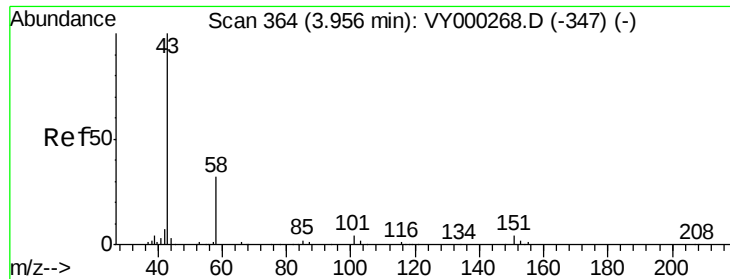
57 3.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 3.587 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

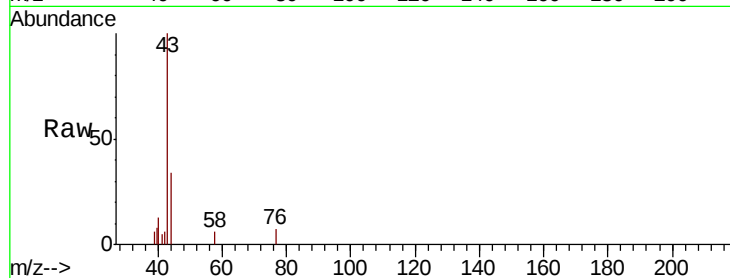
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1890

Ion Ratio Lower Upper

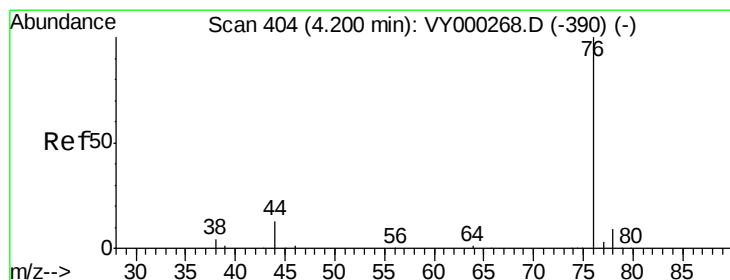
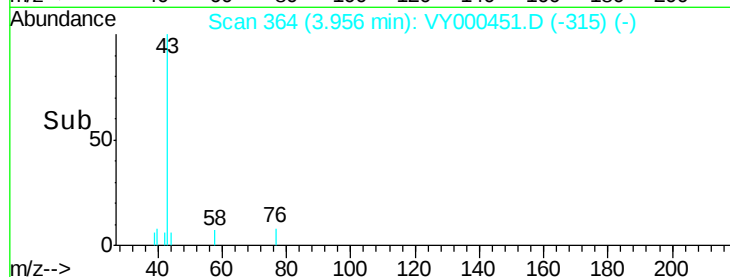
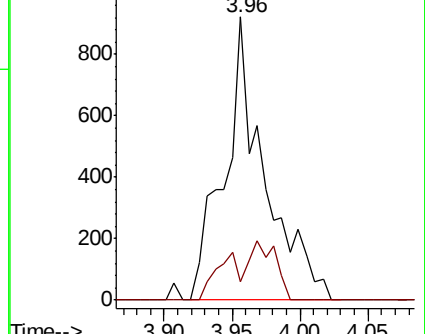
43 100

58 6.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 2.345 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000451.D

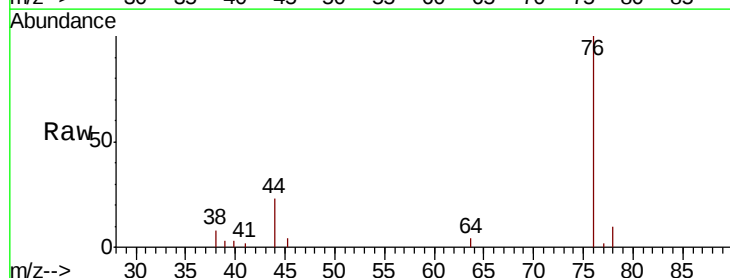
Acq: 28 Oct 2019 13:52

Tgt Ion: 76 Resp: 11503

Ion Ratio Lower Upper

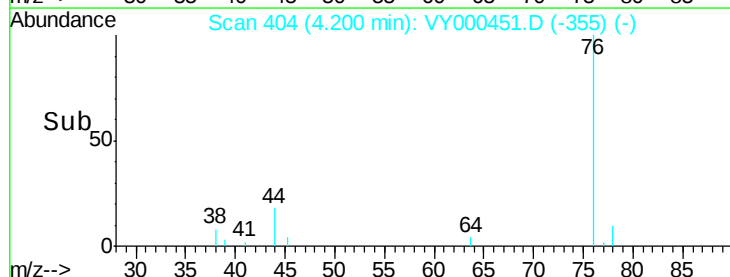
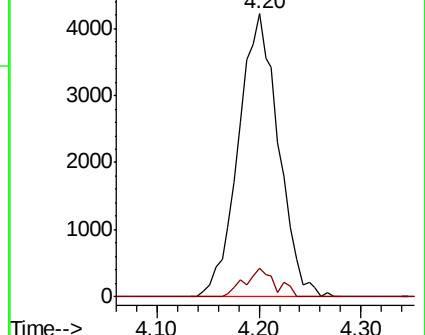
76 100

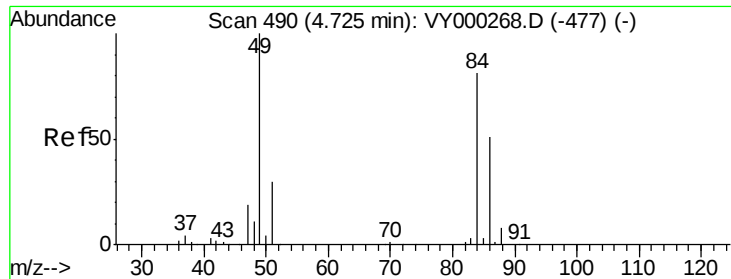
78 10.1 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

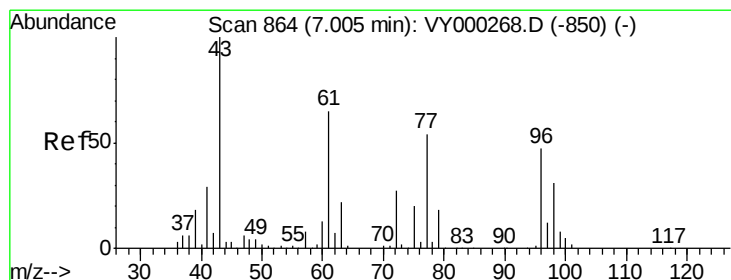
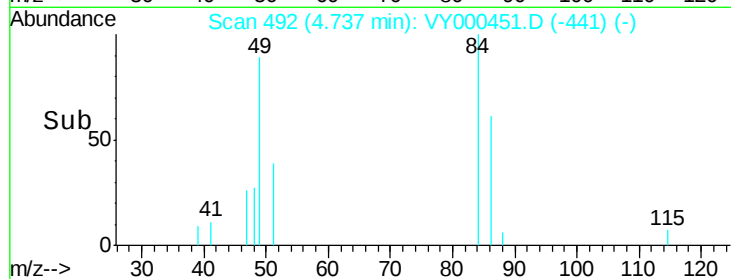
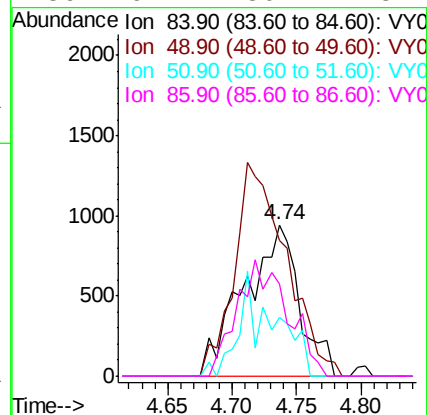
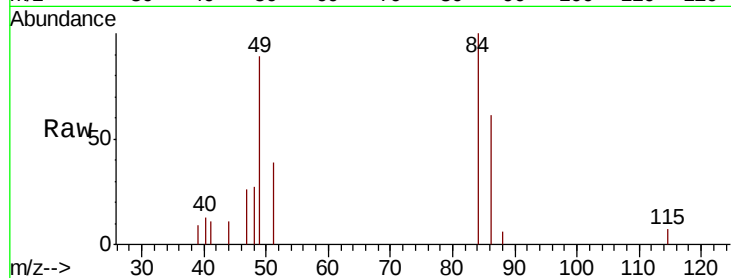




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

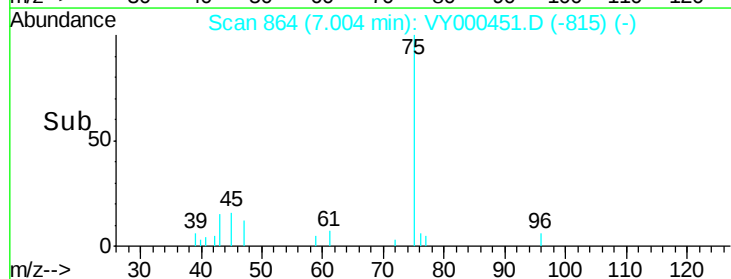
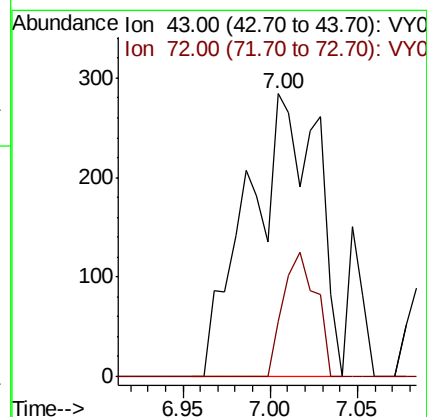
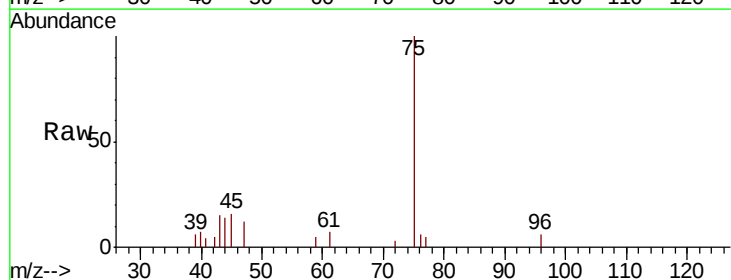
Instrument :
MSVOA_Y
ClientSampleId :

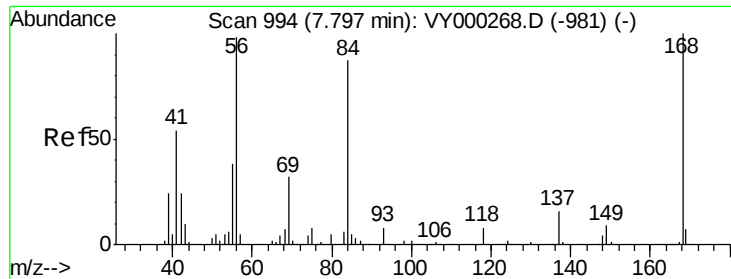
Tot Ion: 84 Resp: 2824
Ion Ratio Lower Upper
84 100
49 89.3 99.0 148.4#
51 39.1 29.3 43.9
86 61.1 50.2 75.4



#25
2-Butanone
Concen: 1.068 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
72 19.7 21.4 32.2#

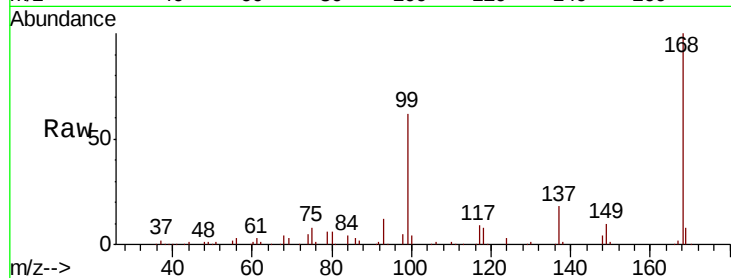




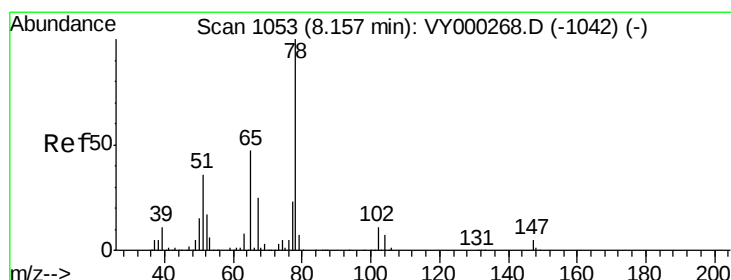
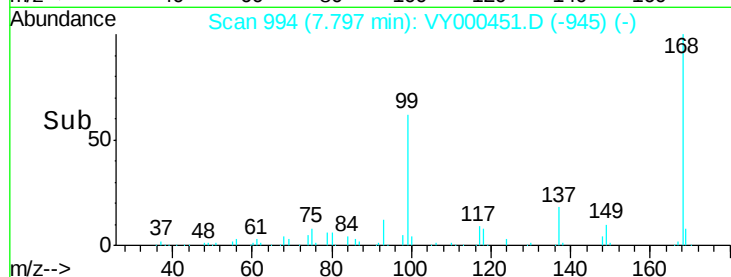
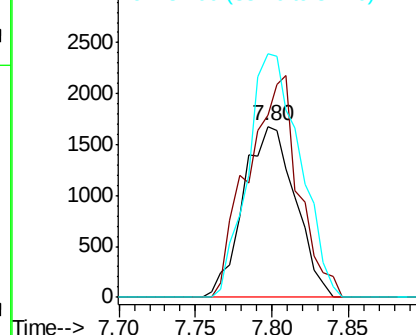
#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3961
Ion Ratio Lower Upper
56 100
69 106.8 26.3 39.5#
84 142.3 70.8 106.2#

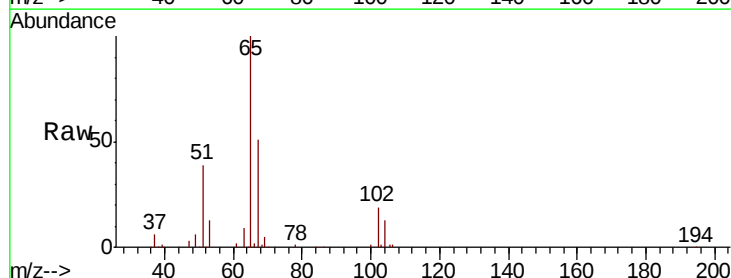


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

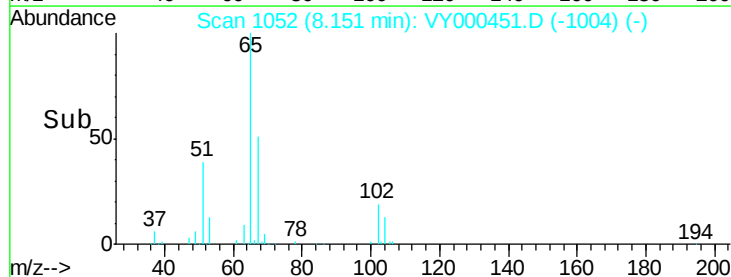
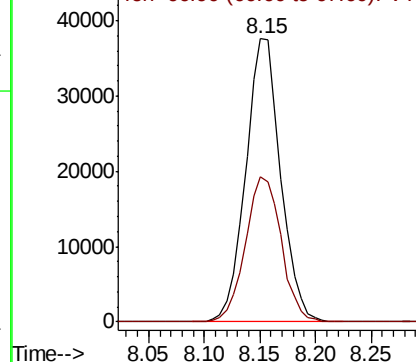


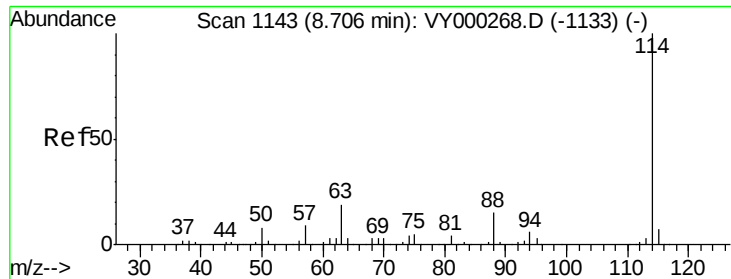
#33
1,2-Dichloroethane-d4
Concen: 50.159 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Tgt Ion: 65 Resp: 81615
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

Instrument :
MSVOA_Y
ClientSampleId :

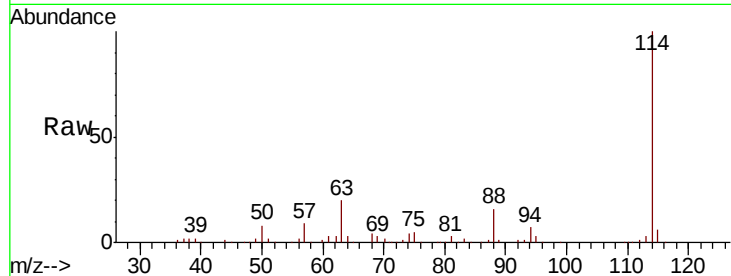
Tot Ion:114 Resp: 246969

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.2

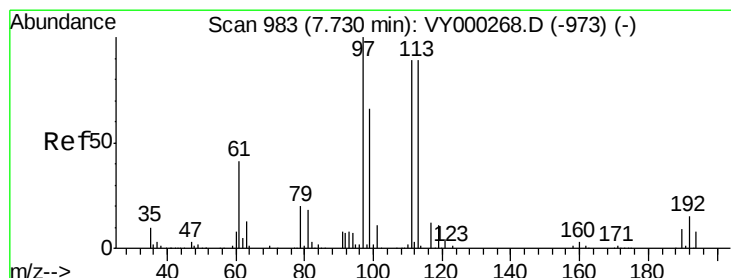
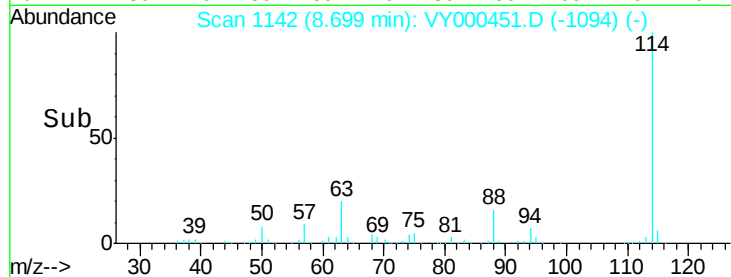
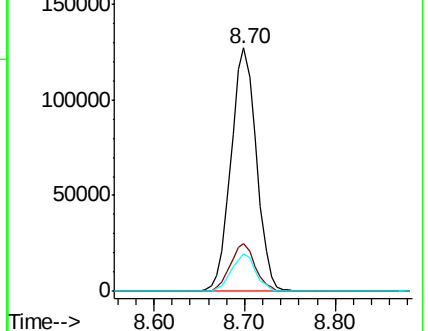
88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.128 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

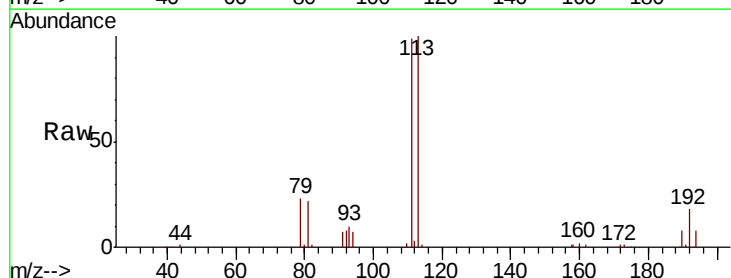
Tgt Ion:113 Resp: 74677

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

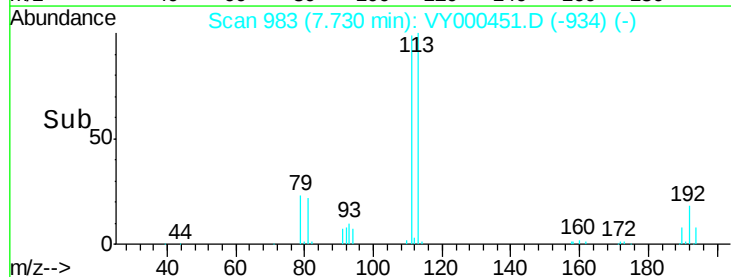
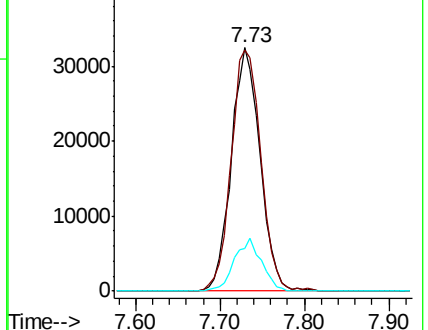
192 20.2 15.3 22.9

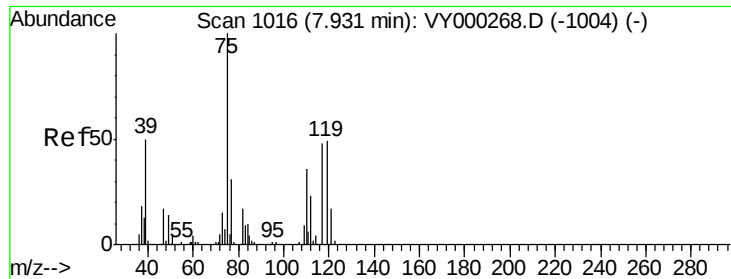


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

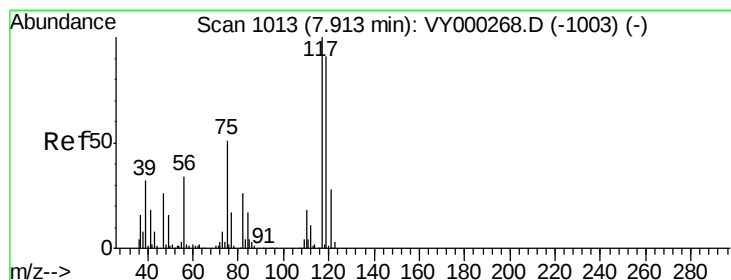
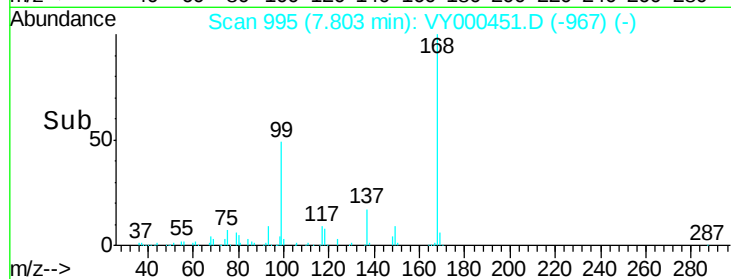
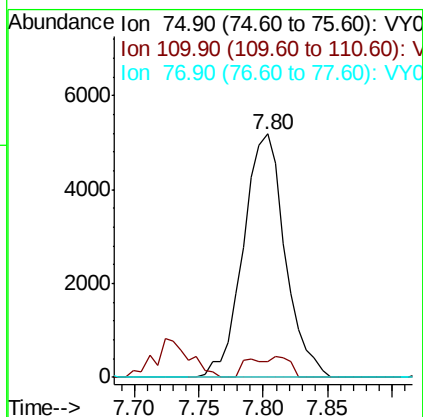
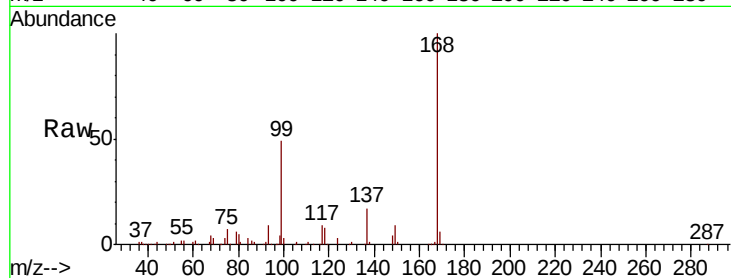




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000451.D
 Acq: 28 Oct 2019 13:52

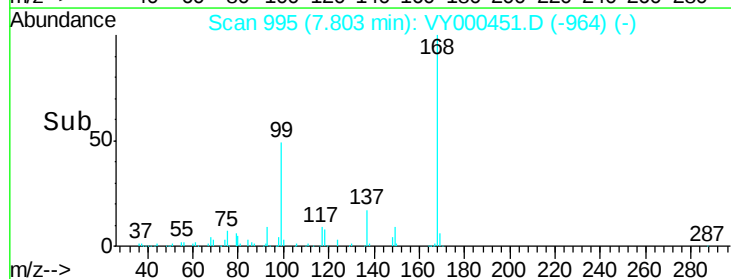
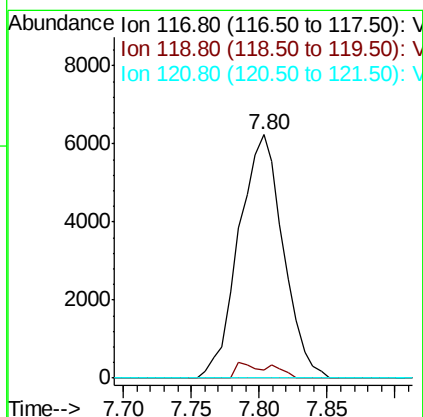
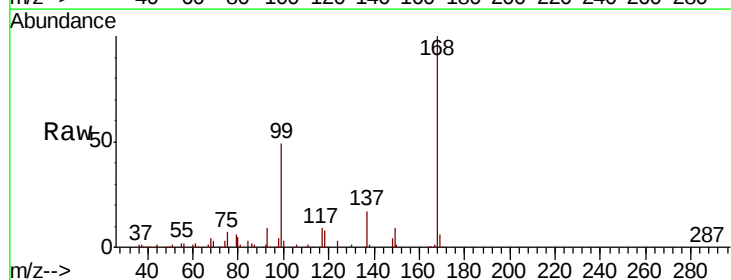
Instrument :
 MSVOA_Y
 ClientSampleId :

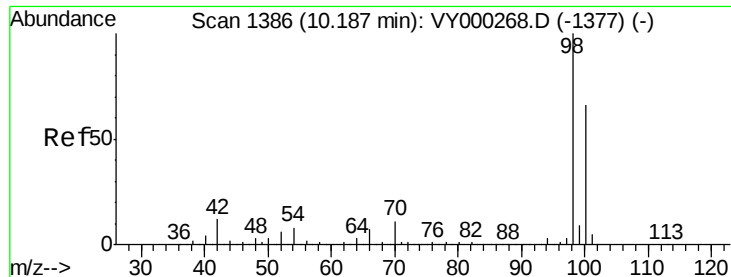
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.8	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000451.D
 Acq: 28 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 48.147 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

Instrument :

MSVOA_Y

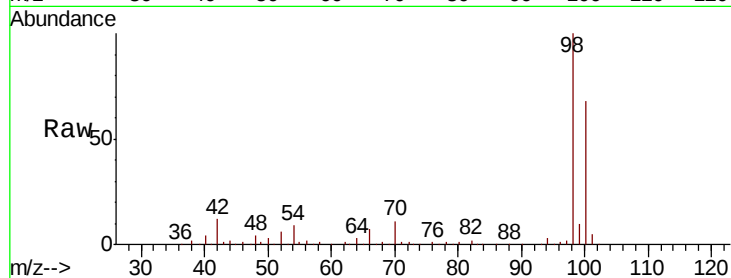
ClientSampleId :

Tot Ion: 98 Resp: 275911

Ion Ratio Lower Upper

98 100

100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

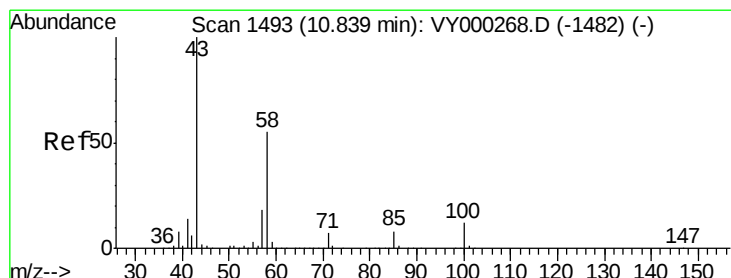
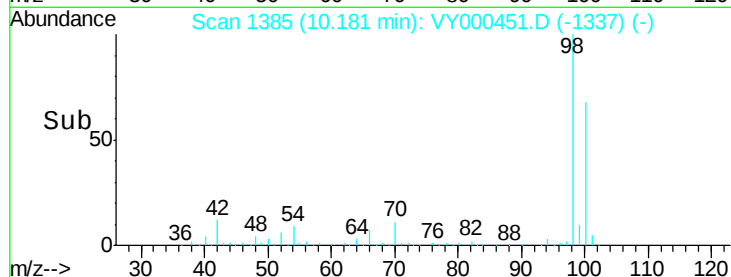
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 1.922 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY000451.D

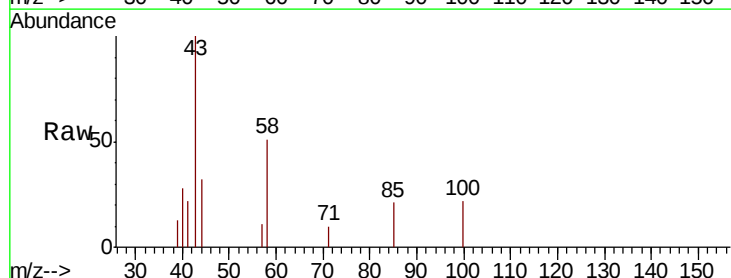
Acq: 28 Oct 2019 13:52

Tgt Ion: 43 Resp: 1894

Ion Ratio Lower Upper

43 100

58 47.7 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.84

1000

800

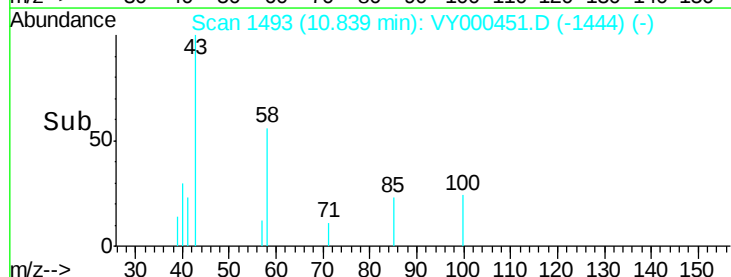
600

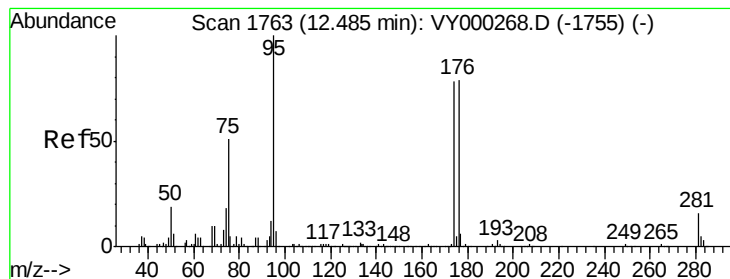
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 29.690 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

Instrument :

MSVOA_Y

ClientSampled :

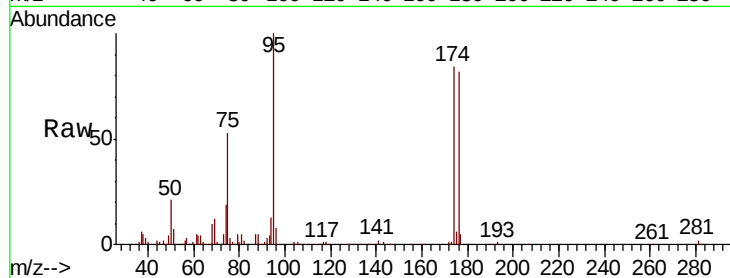
Tot Ion: 95 Resp: 64639

Ion Ratio Lower Upper

95 100

174 85.9 0.0 159.6

176 80.0 0.0 153.8

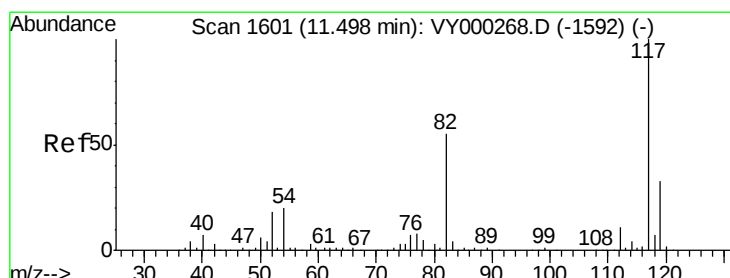
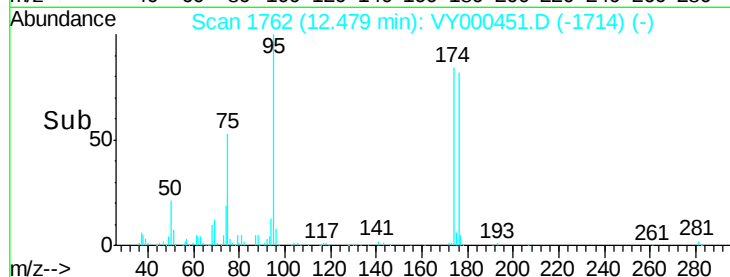


Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000451.D

Acq: 28 Oct 2019 13:52

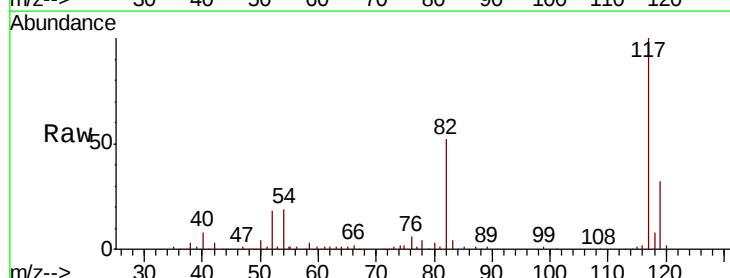
Tgt Ion: 117 Resp: 183350

Ion Ratio Lower Upper

117 100

82 52.2 43.7 65.5

119 31.9 26.6 39.8

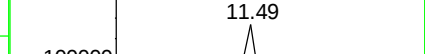
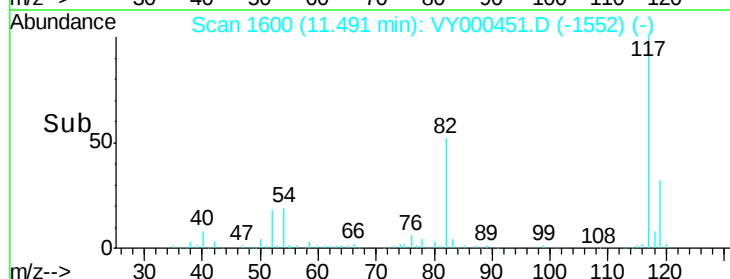


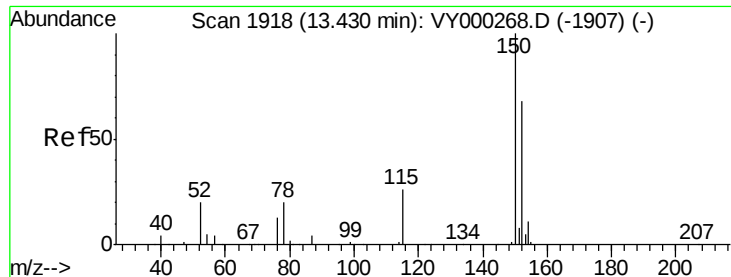
Abundance Ion 116.90 (116.60 to 117.60): VY000268.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY000268.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000268.D (-1592) (-)

Time-->



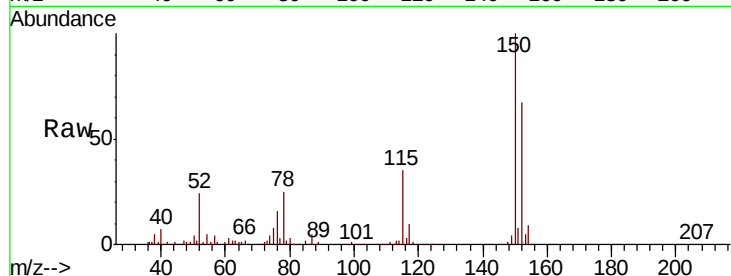


#72

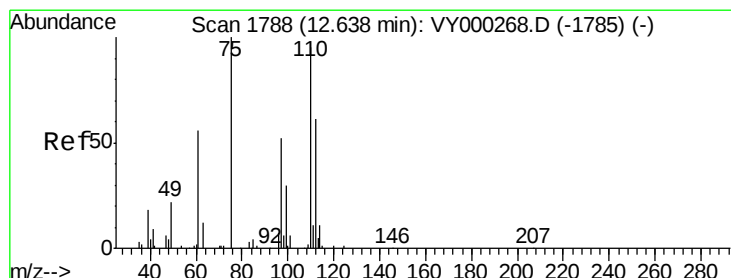
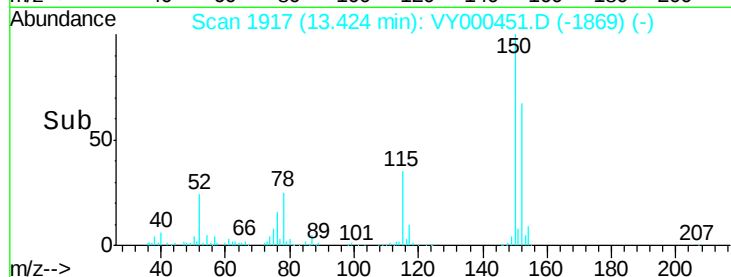
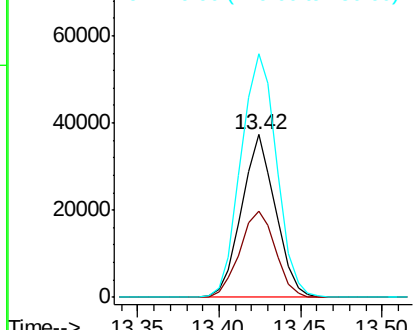
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 54297
Ion Ratio Lower Upper
152 100
115 55.2 29.3 88.0
150 157.4 0.0 348.4



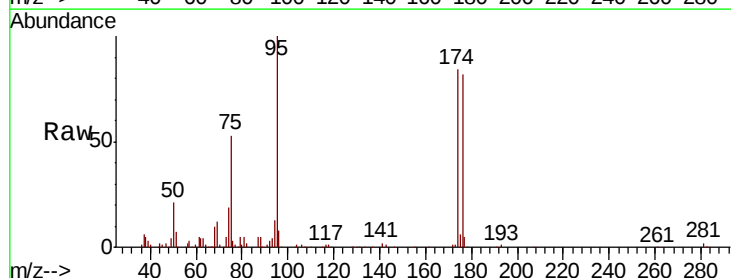
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



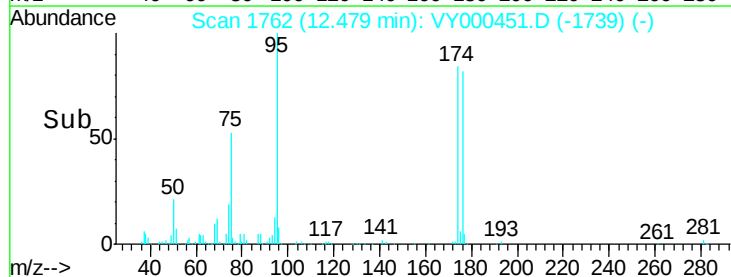
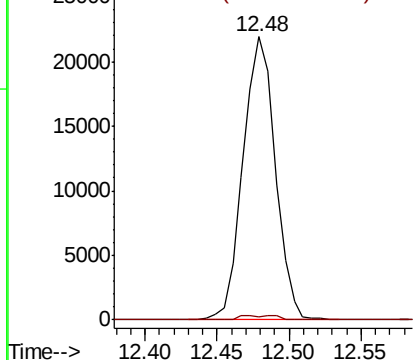
#76

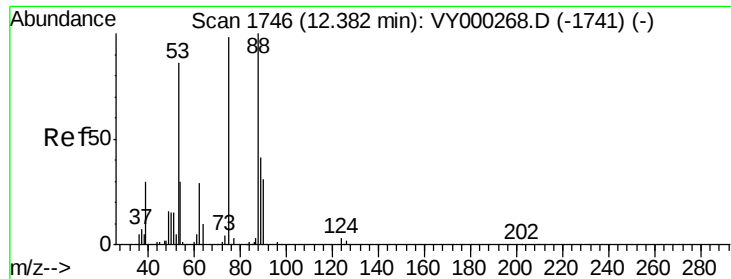
1,2,3-Trichloropropane
Concen: 50.954 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Tgt Ion: 75 Resp: 34020
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



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

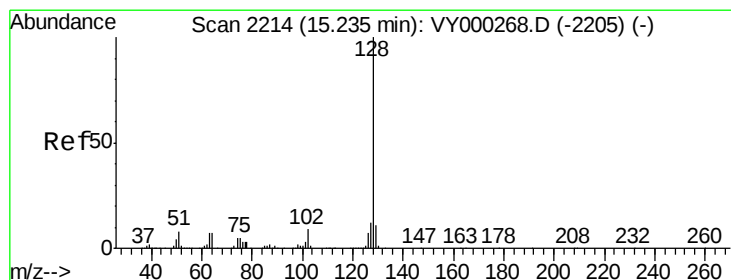
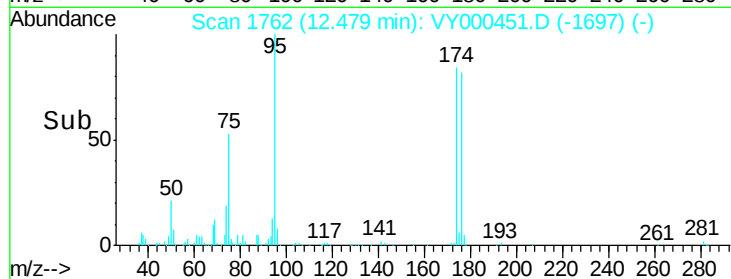
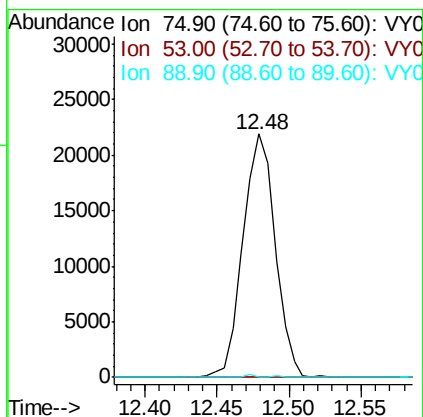
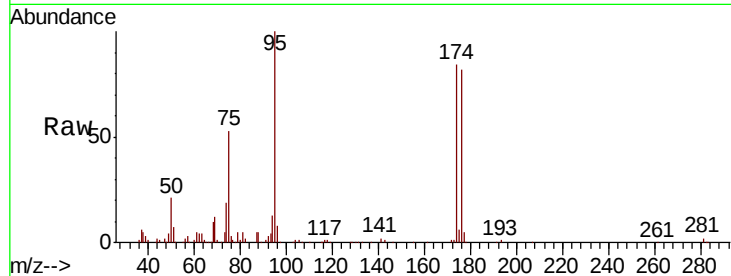




#81
trans-1,4-Dichloro-2-butene
Concen: 111.484 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

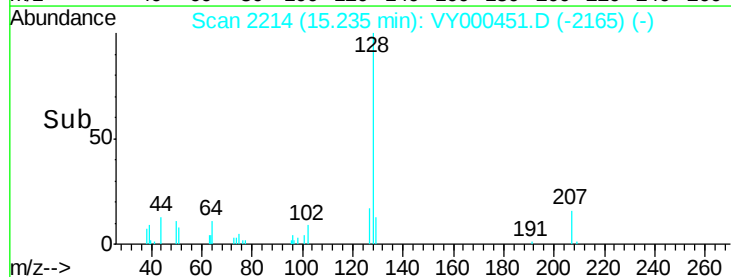
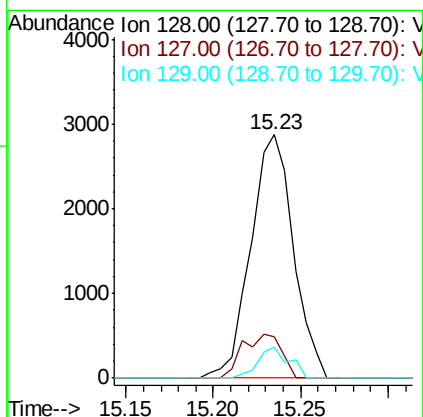
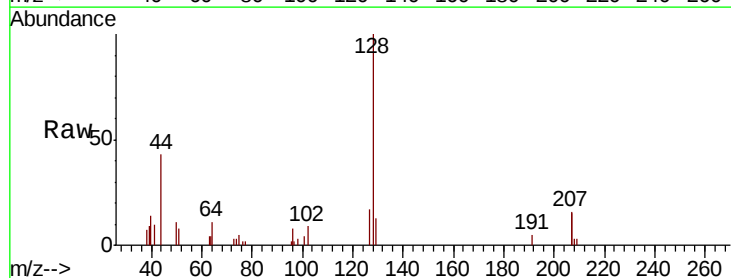
Instrument :
MSVOA_Y
ClientSampleId :

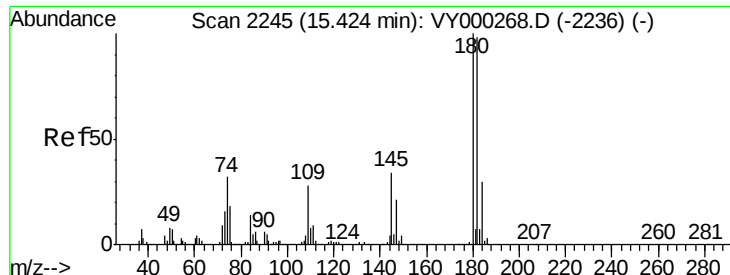
Tot Ion: 75 Resp: 34020
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.6 35.1 52.7#



#95
Naphthalene
Concen: 1.864 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000451.D
Acq: 28 Oct 2019 13:52

Tgt Ion: 128 Resp: 4864
Ion Ratio Lower Upper
128 100
127 16.4 9.6 14.4#
129 9.4 8.7 13.1

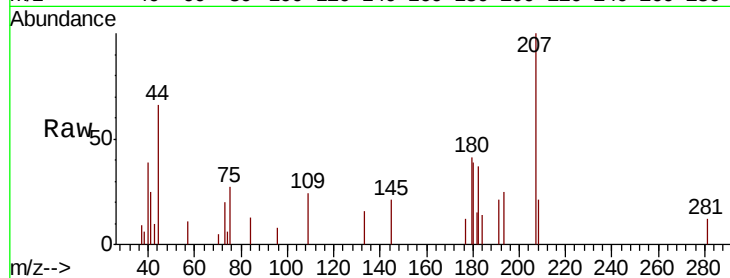




#96
 1,2,3-Trichlorobenzene
 Concen: 1.292 ug/l
 RT: 15.43 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: VY000451.D
 Acq: 28 Oct 2019 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 1362
 Ion Ratio Lower Upper
 180 100
 182 81.1 46.5 139.5
 145 16.5 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

