

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000411.D
 Acq On : 24 Oct 2019 15:49
 Operator : SY/MD
 Sample : K5499-12
 Misc : 6.91G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 06:40:23 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	223537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	381513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	318855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	130772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	126894	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
35) Dibromofluoromethane	7.73	113	109180	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.18	98	437388	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.48	95	134160	39.89	ug/l	0.00
Spiked Amount			Recovery	=	79.78%	

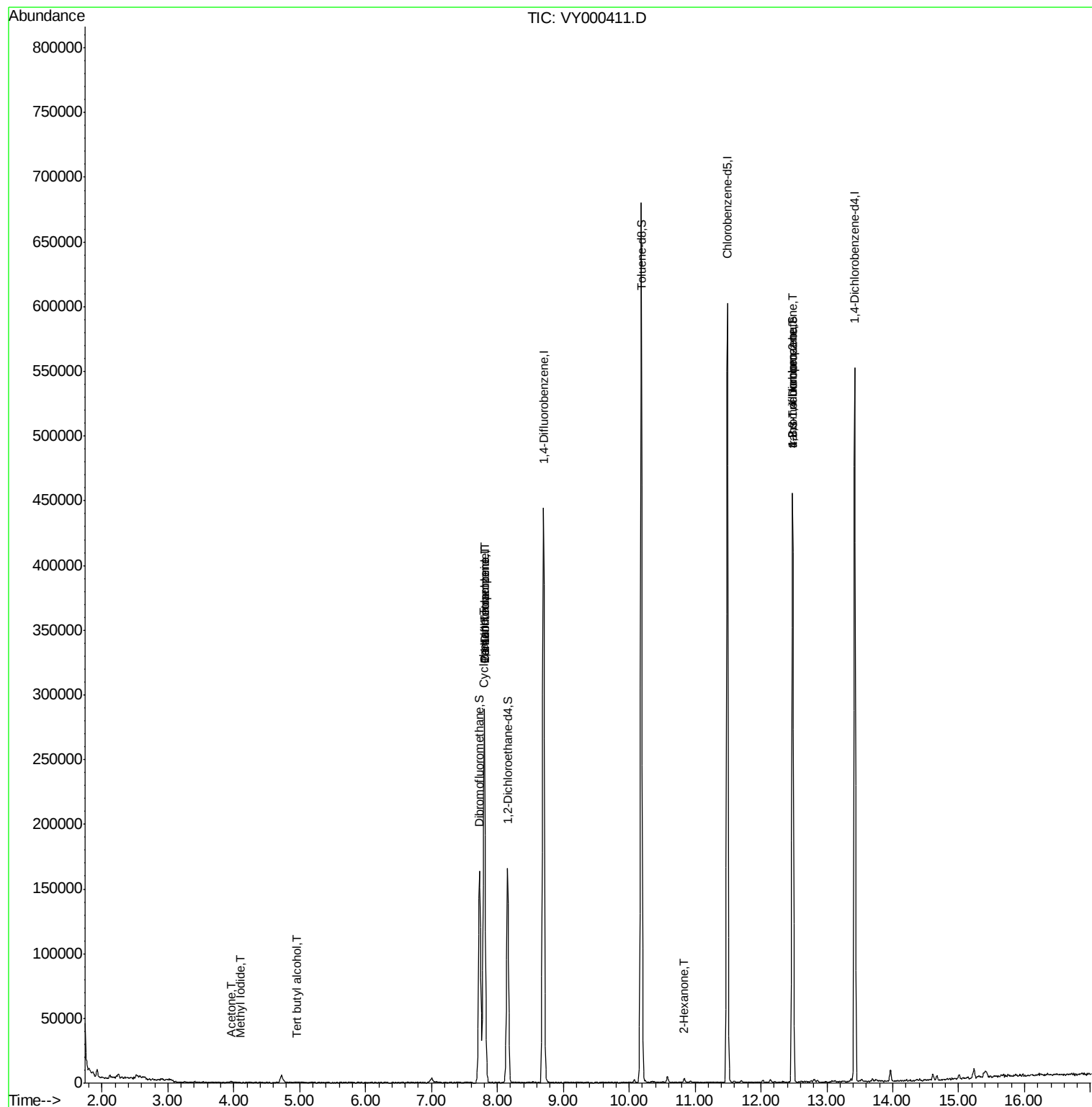
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	77	Below Cal	#	41
10) Methyl Iodide	4.10	142	100	1.216	ug/l #	41
11) Tert butyl alcohol	4.96	59	413	1.674	ug/l #	73
16) Acetone	3.96	43	1126	1.475	ug/l	89
20) Methylene Chloride	4.72	84	3816	Below Cal	#	95
31) Cyclohexane	7.79	56	5228	1.159	ug/l #	59
36) 1,1-Dichloropropene	7.80	75	16748	4.484	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21199	5.862	ug/l #	18
59) 2-Hexanone	10.83	43	2184	1.435	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	71497	44.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71497	97.281	ug/l #	14

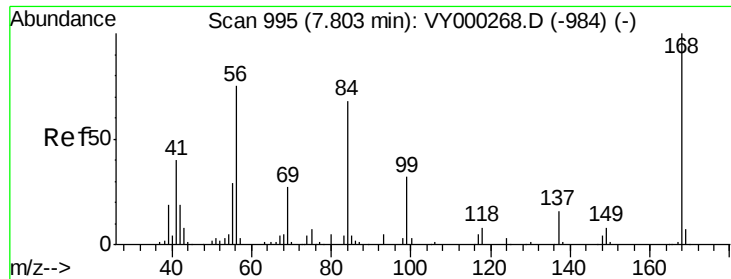
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
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Instrument :
MSVOA_Y
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Quant Time: Oct 25 06:40:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 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: VY000411.D

Acq: 24 Oct 2019 15:49

Instrument :

MSVOA_Y

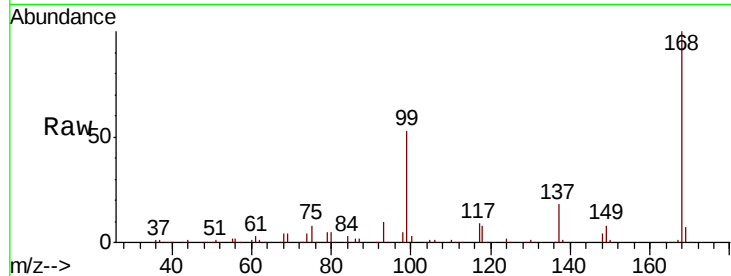
ClientSampleId :

Tot Ion:168 Resp: 223537

Ion Ratio Lower Upper

168 100

99 53.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000411.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000411.D (-946) (-)

7.80

120000

100000

80000

60000

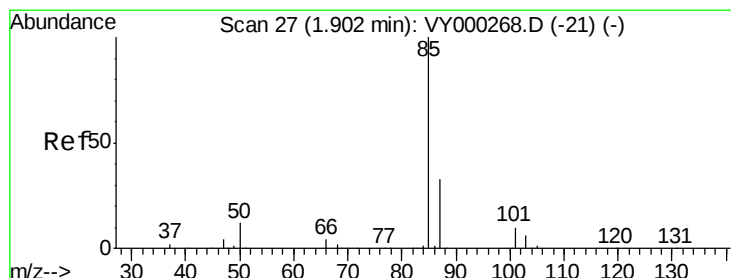
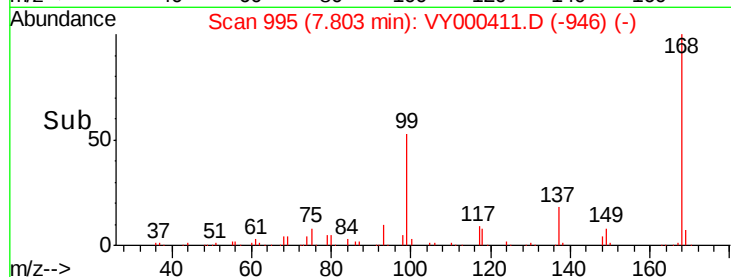
40000

20000

0

Time-->

7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000411.D

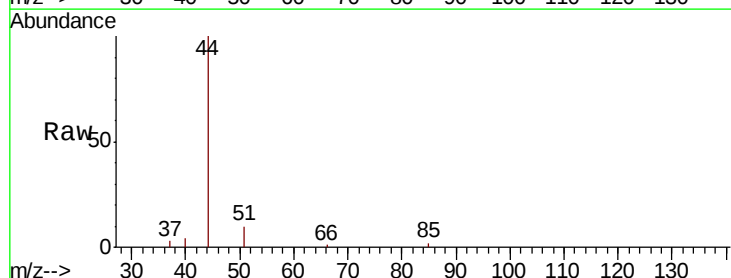
Acq: 24 Oct 2019 15:49

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000411.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000411.D (-1) (-)

1.91

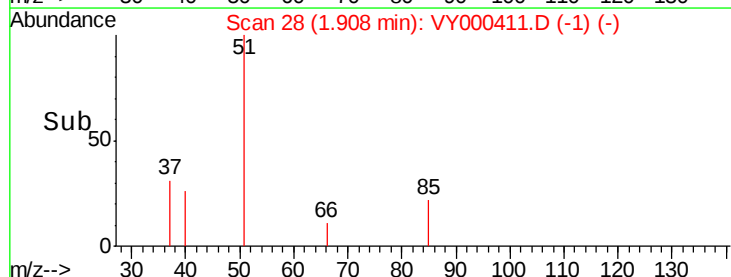
100

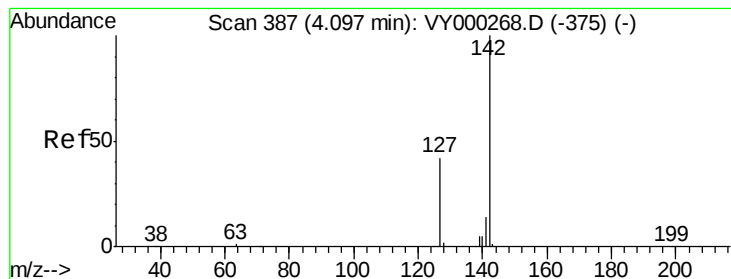
50

0

Time-->

1.89 1.90 1.91 1.92





#10

Methyl Iodide

Concen: 1.216 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

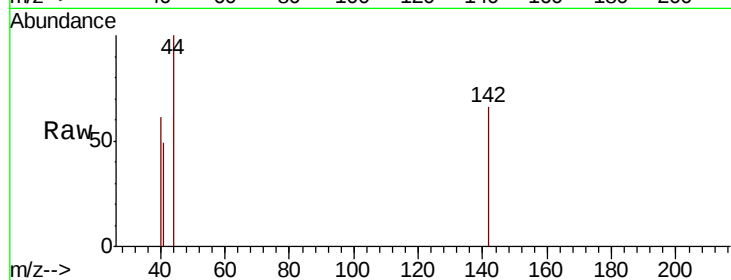
Tot Ion:142 Resp: 100

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

150

100

50

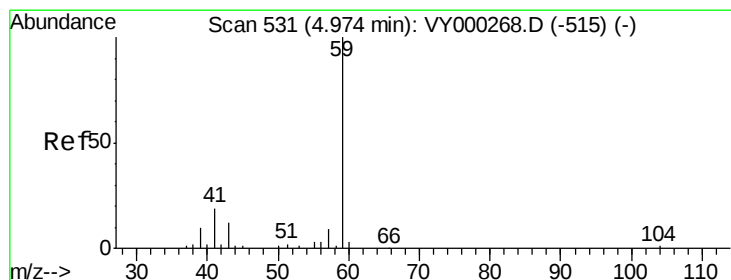
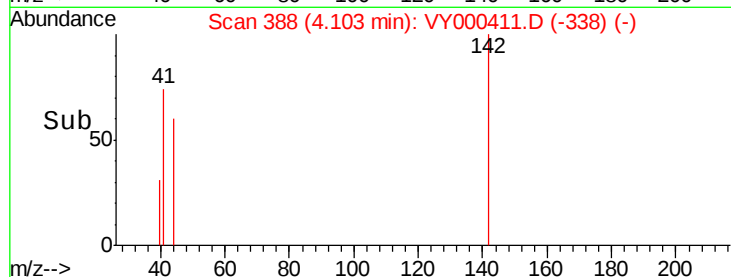
0

4.10

4.12

4.14

Time-->



#11

Tert butyl alcohol

Concen: 1.674 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY000411.D

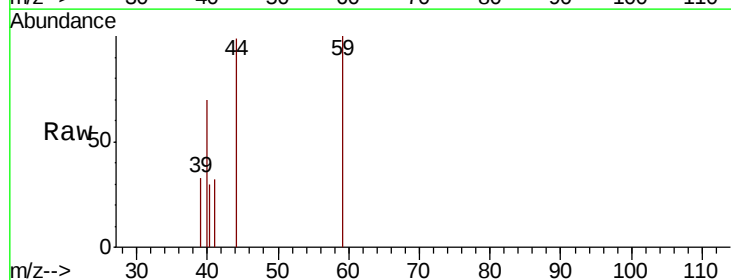
Acq: 24 Oct 2019 15:49

Tgt Ion: 59 Resp: 413

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

300

250

200

150

100

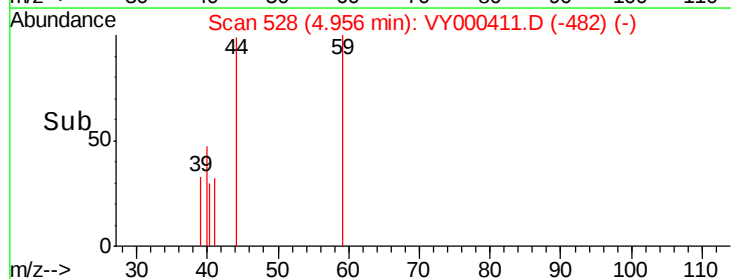
50

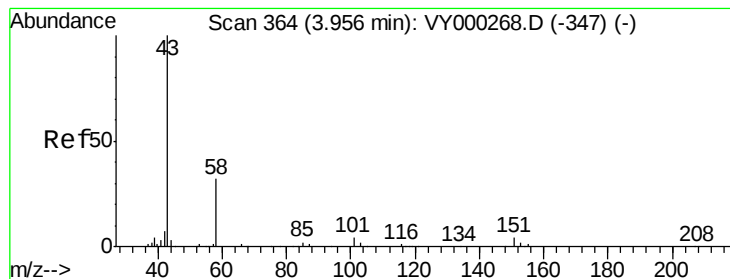
0

4.96

4.95

Time-->





#16

Acetone

Concen: 1.475 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

Instrument :

MSVOA_Y

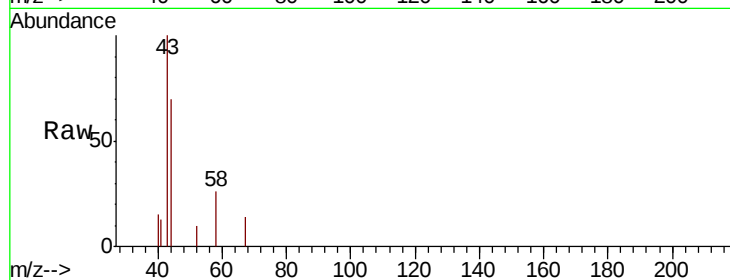
ClientSampleId :

Tot Ion: 43 Resp: 1126

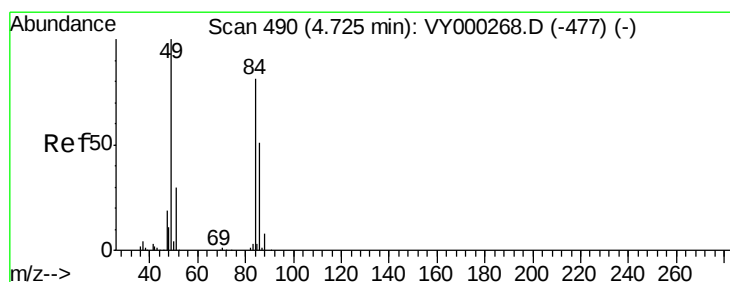
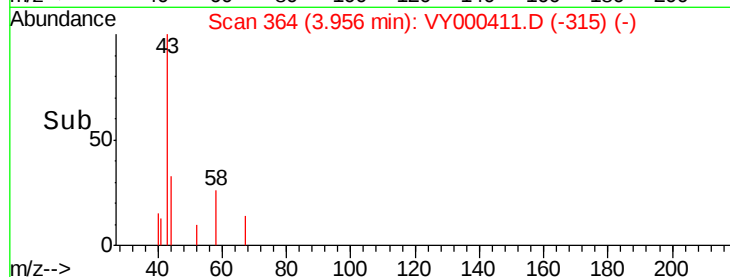
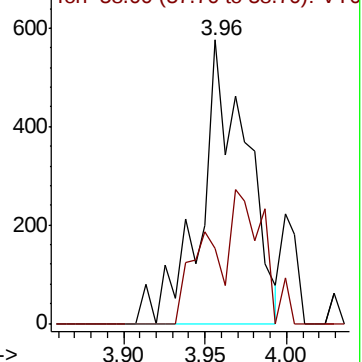
Ion Ratio Lower Upper

43 100

58 26.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000411.D (-315) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

Tgt Ion: 84 Resp: 3816

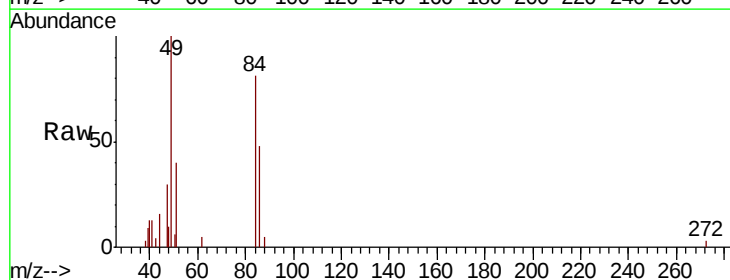
Ion Ratio Lower Upper

84 100

49 123.0 99.0 148.4

51 49.6 29.3 43.9#

86 58.9 50.2 75.4

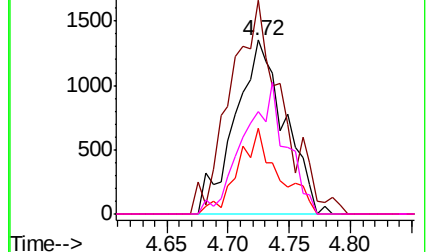
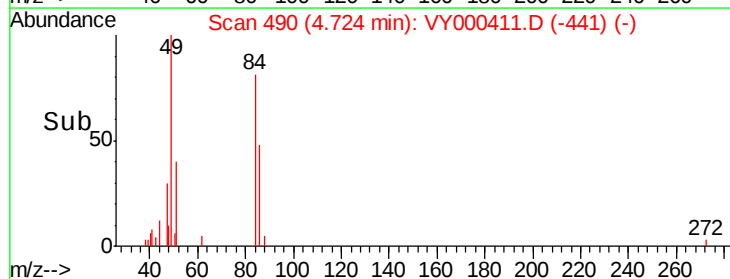


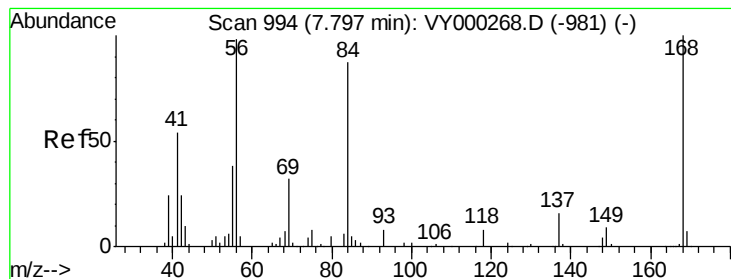
Abundance Ion 83.90 (83.60 to 84.60): VY000411.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY000411.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY000411.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY000411.D (-441) (-)





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

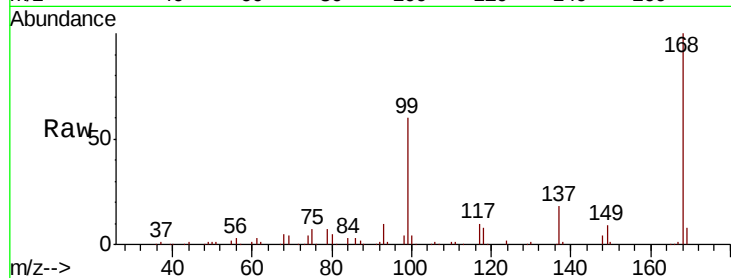
Instrument :

MSVOA_Y

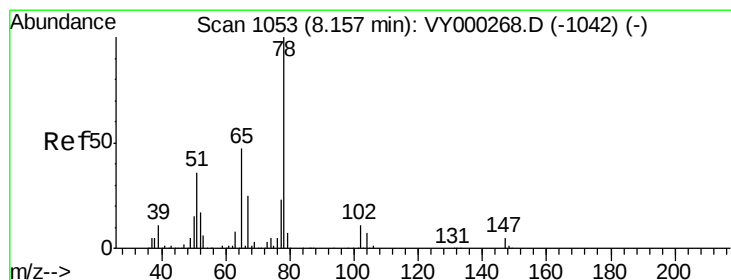
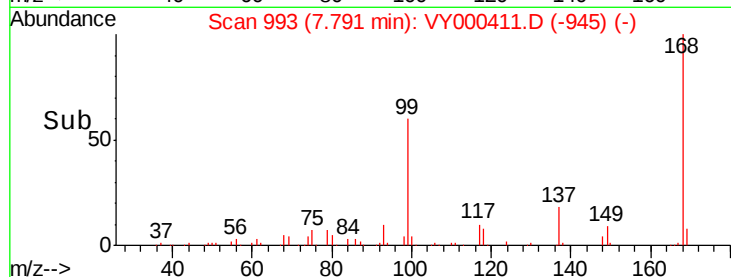
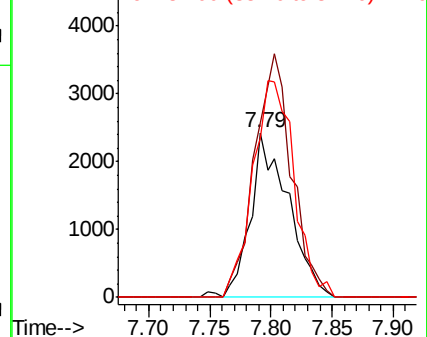
ClientSampleId :

Tot Ion: 56 Resp: 5228

Ion	Ratio	Lower	Upper
56	100		
69	105.8	26.3	39.5#
84	96.3	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: 53.815 ug/l

RT: 8.16 min Scan# 1053

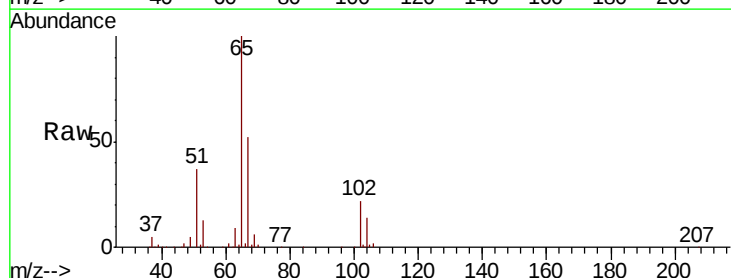
Delta R.T. -0.00 min

Lab File: VY000411.D

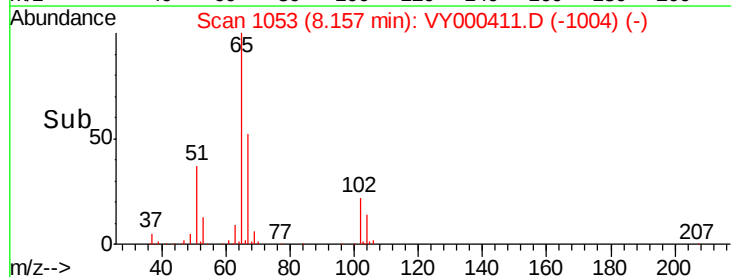
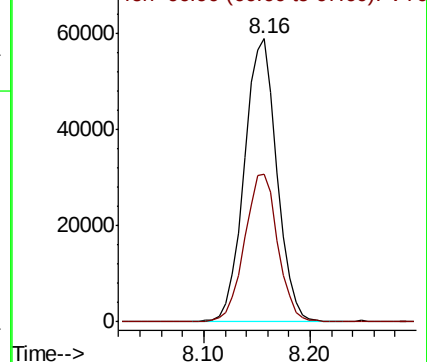
Acq: 24 Oct 2019 15:49

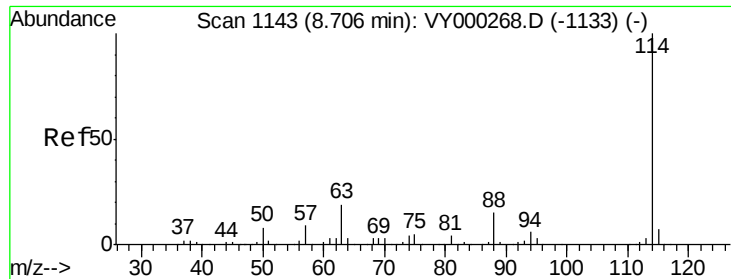
Tgt Ion: 65 Resp: 126894

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	109.4



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

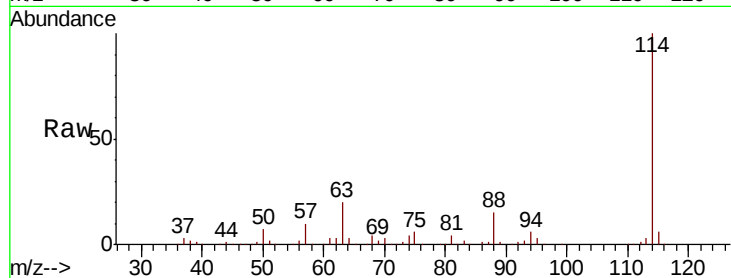




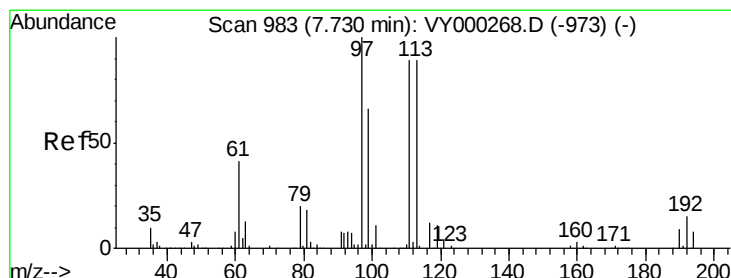
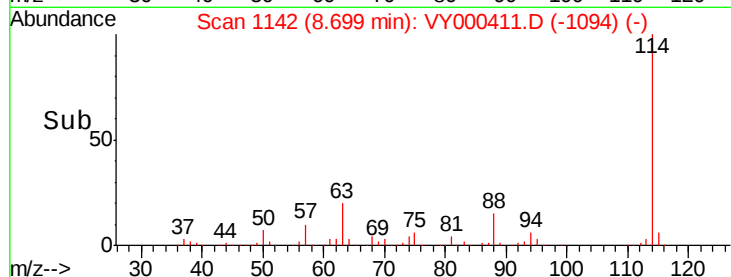
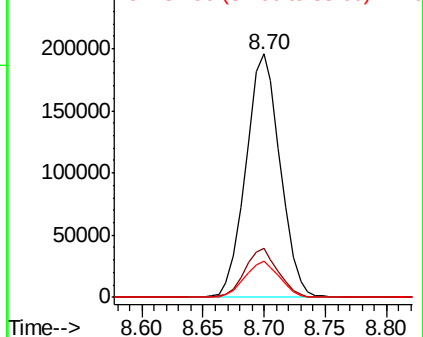
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 381513
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.2
88 15.1 0.0 30.2

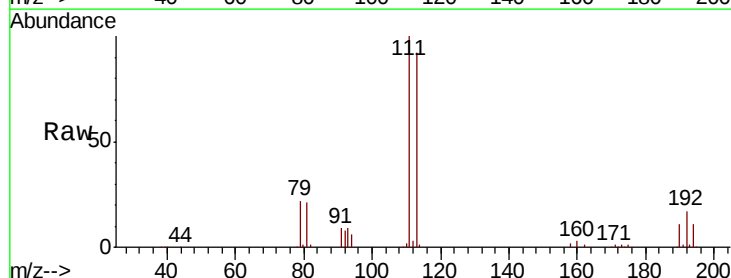


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

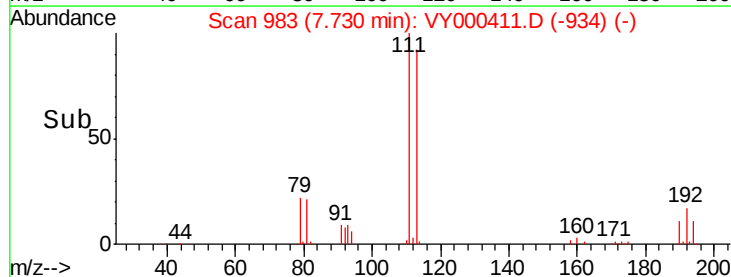
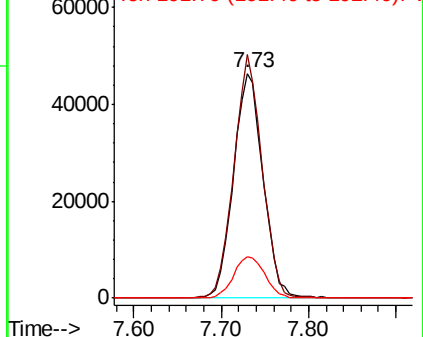


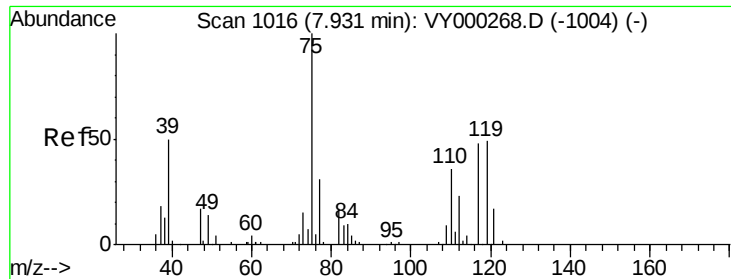
#35
Dibromofluoromethane
Concen: 47.442 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

Tgt Ion:113 Resp: 109180
Ion Ratio Lower Upper
113 100
111 103.3 81.6 122.4
192 19.3 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

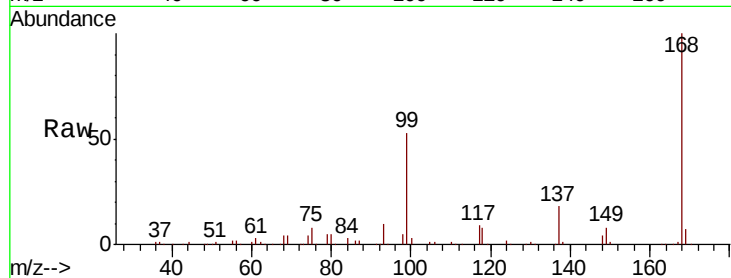




#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000411.D
 Acq: 24 Oct 2019 15:49

Instrument :
 MSVOA_Y
 ClientSampled :

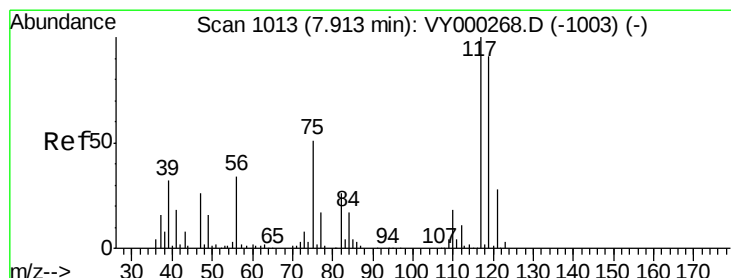
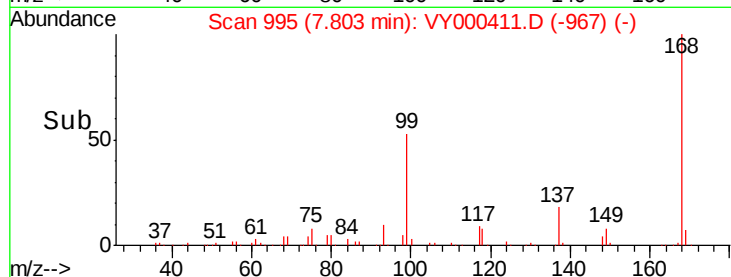
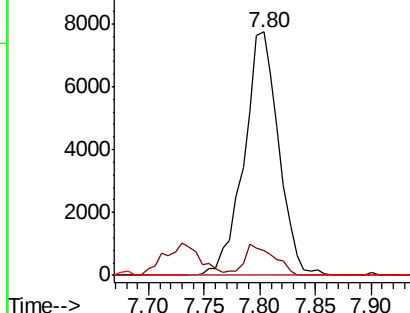
Tot Ion	75	110	77	Resp	16748	Lower	Upper
Ion	Ratio						
75	100						
110	11.0	18.4	55.4#				
77	0.0	25.0	37.6#				



Abundance Ion 74.90 (74.60 to 75.60): VY000411.D (-967) (-)

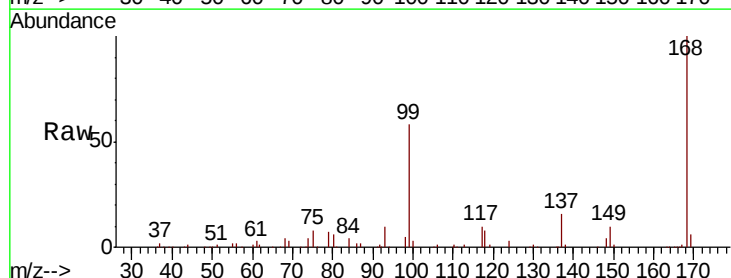
Ion 109.90 (109.60 to 110.60): VY000411.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000411.D (-967) (-)



#38
 Carbon Tetrachloride
 Concen: 5.862 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000411.D
 Acq: 24 Oct 2019 15:49

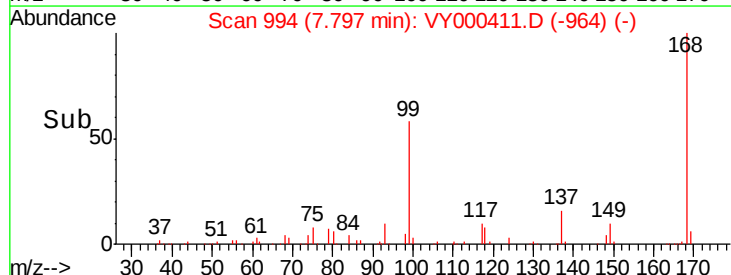
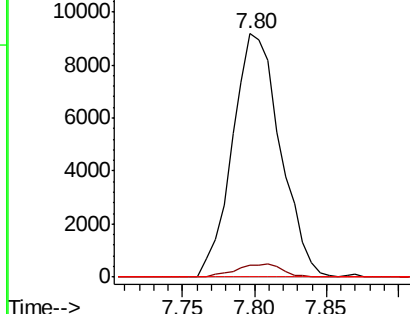
Tgt Ion	117	119	121	Resp	21199	Lower	Upper
Ion	Ratio						
117	100						
119	5.1	72.8	109.2#				
121	0.0	22.2	33.2#				

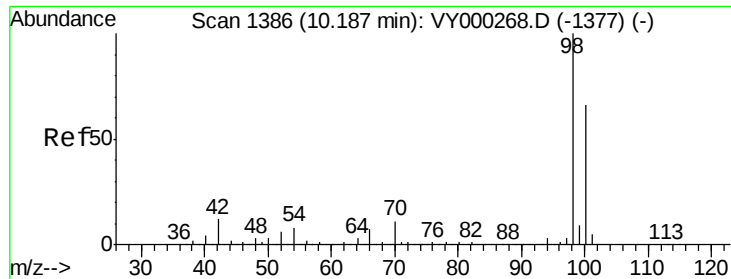


Abundance Ion 116.80 (116.50 to 117.50): VY000411.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000411.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000411.D (-964) (-)





#50

Toluene-d8

Concen: 49.408 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

Instrument :

MSVOA_Y

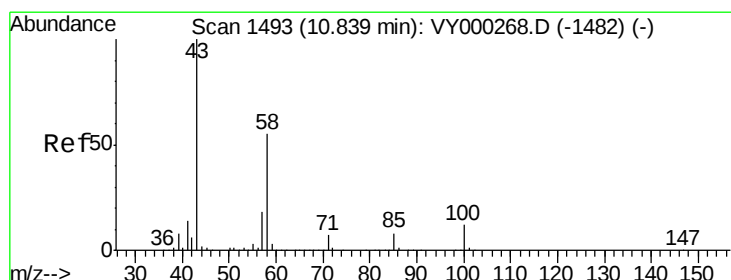
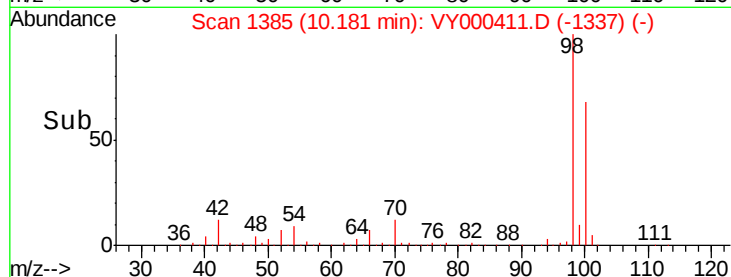
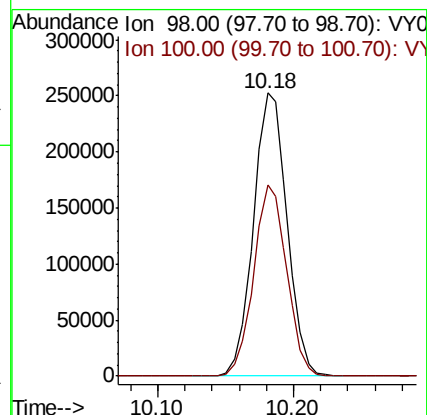
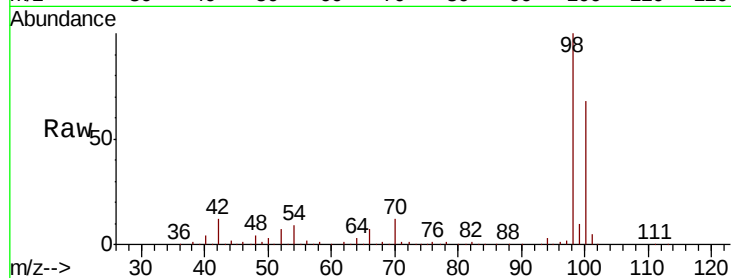
ClientSampled :

Tot Ion: 98 Resp: 437388

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



#59

2-Hexanone

Concen: 1.435 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VY000411.D

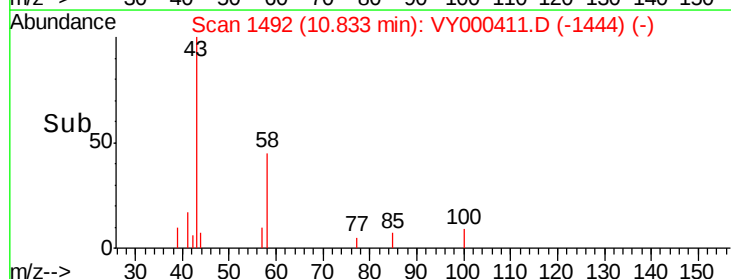
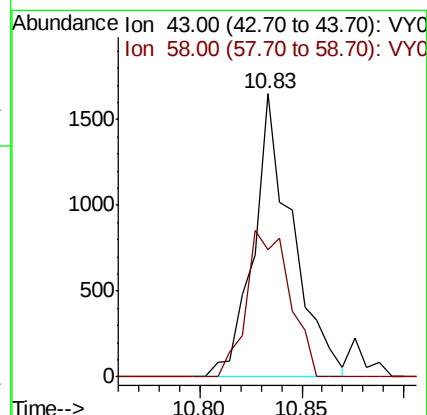
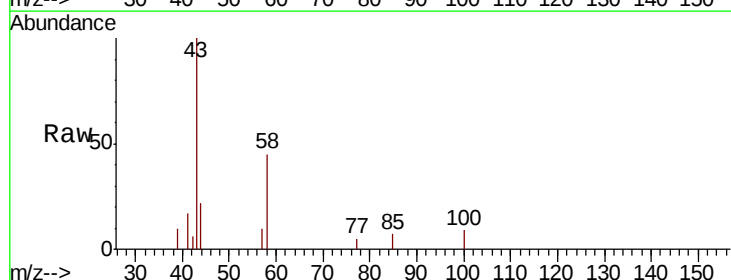
Acq: 24 Oct 2019 15:49

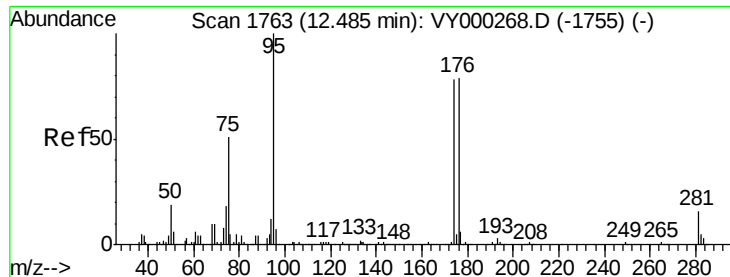
Tgt Ion: 43 Resp: 2184

Ion Ratio Lower Upper

43 100

58 57.7 27.7 83.1

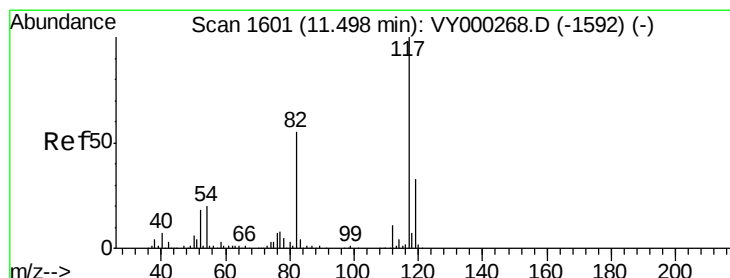
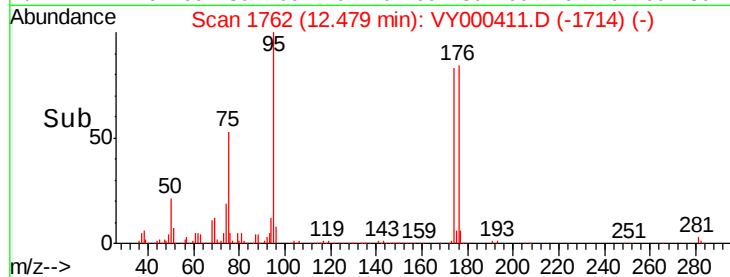
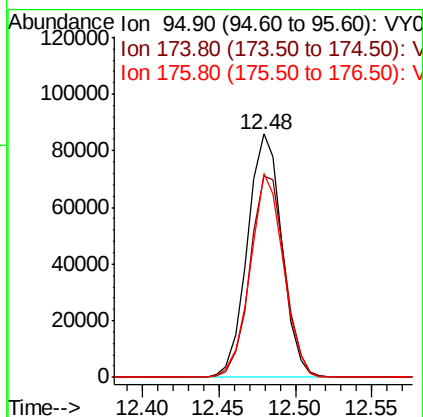
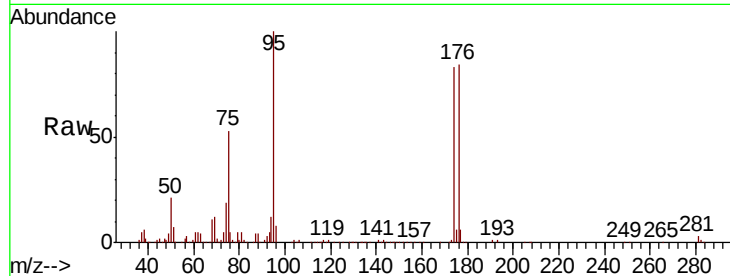




#62
4-Bromofluorobenzene
Concen: 39.891 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

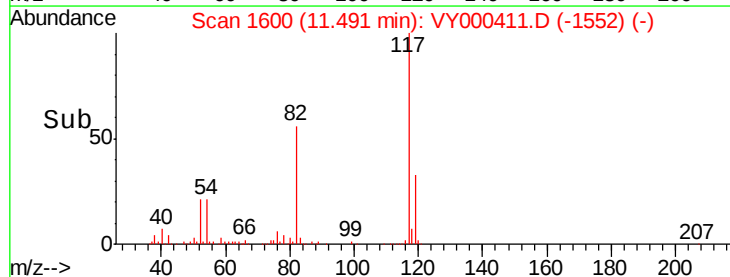
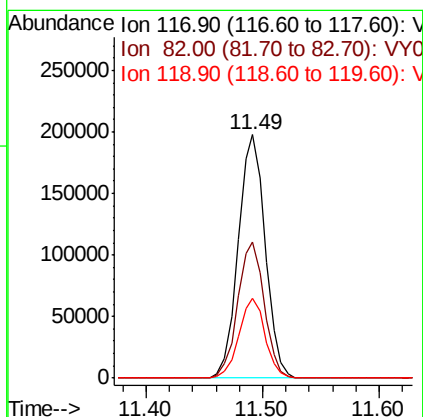
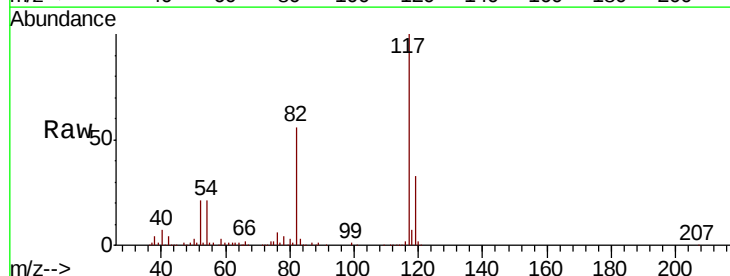
Instrument :
MSVOA_Y
ClientSampleId :

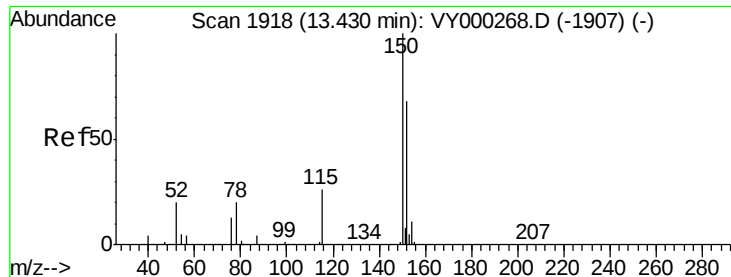
Tot Ion	95	Resp	134160
Ion Ratio	Lower	Upper	
95	100		
174	84.0	0.0	159.6
176	81.0	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

Tgt Ion	117	Resp	318855
Ion Ratio	Lower	Upper	
117	100		
82	55.8	43.7	65.5
119	32.9	26.6	39.8



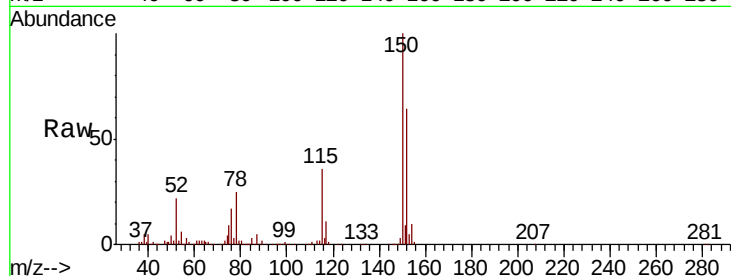


#72

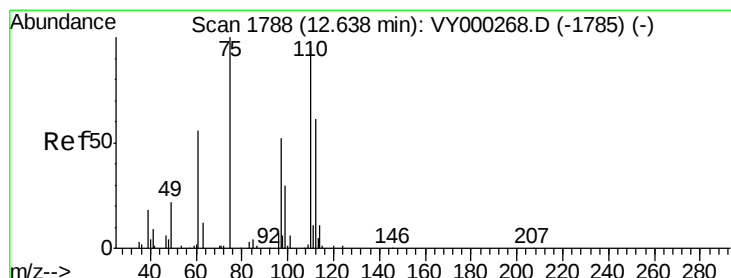
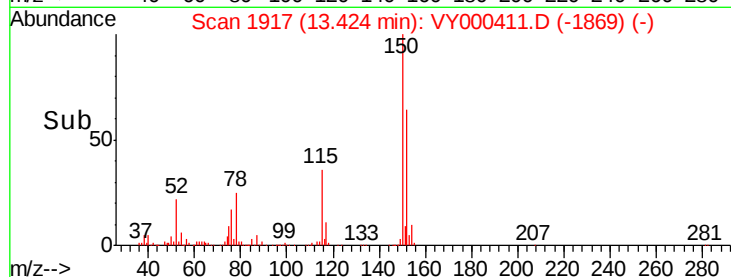
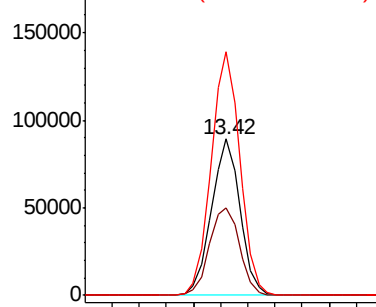
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 130772
Ion Ratio Lower Upper
152 100
115 59.0 29.3 88.0
150 156.9 0.0 348.4



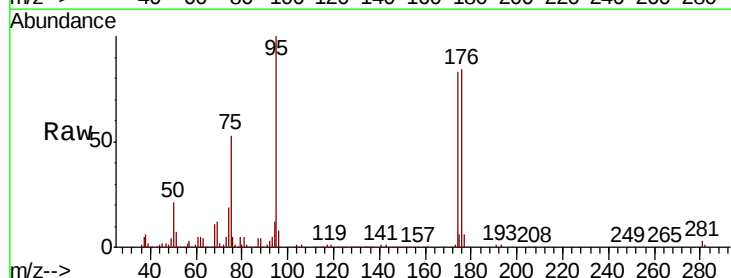
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



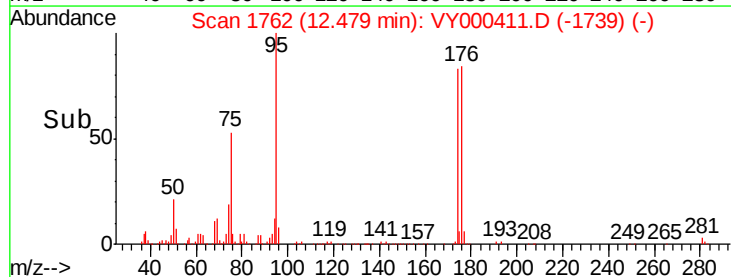
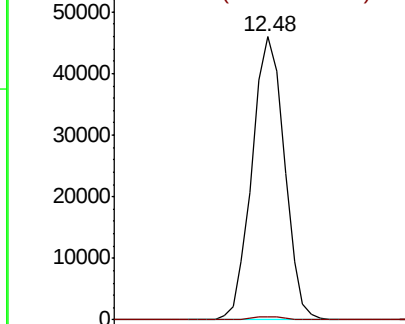
#76

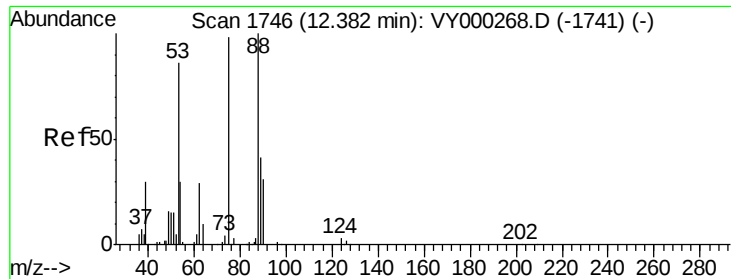
1,2,3-Trichloropropane
Concen: 44.462 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000411.D
Acq: 24 Oct 2019 15:49

Tgt Ion: 75 Resp: 71497
Ion Ratio Lower Upper
75 100
77 1.1 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: 97.281 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000411.D

Acq: 24 Oct 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 71497

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.3 35.1 52.7#

