

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000428.D
 Acq On : 25 Oct 2019 14:56
 Operator : SY/MD
 Sample : K5539-04
 Misc : 7.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:45:16 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	202107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	347817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	309819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139217	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	115090	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.74	113	97927	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
50) Toluene-d8	10.19	98	397647	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.49	95	138231	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

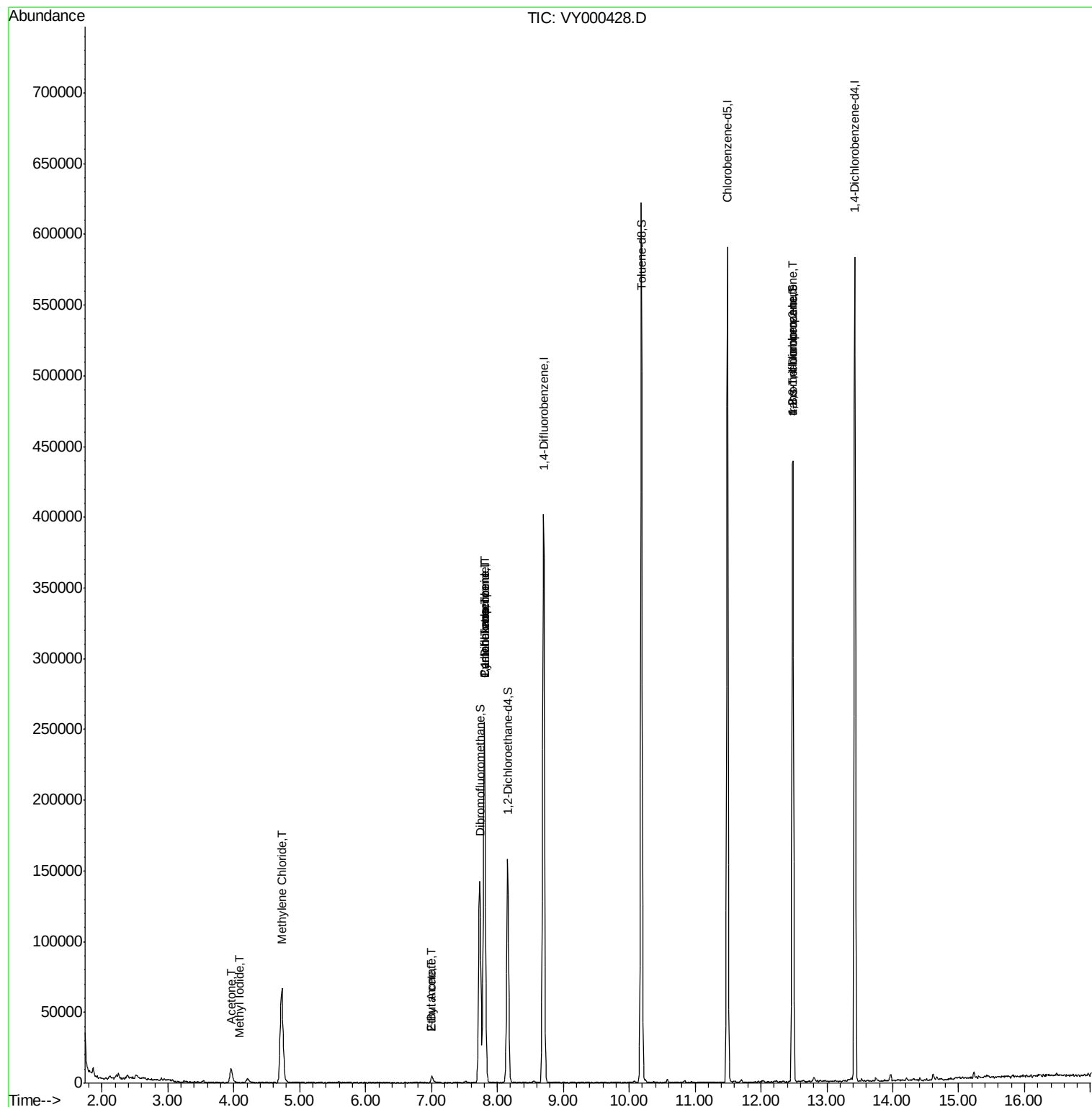
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	66	Below Cal	#	41
10) Methyl Iodide	4.09	142	24	1.194	ug/l #	41
16) Acetone	3.96	43	16167	23.417	ug/l	97
20) Methylene Chloride	4.73	84	49604	17.826	ug/l	92
25) 2-Butanone	7.00	43	5684	5.844	ug/l	92
31) Cyclohexane	7.80	56	4271	1.047	ug/l #	35
36) 1,1-Dichloropropene	7.80	75	15260	4.481	ug/l #	48
37) Ethyl Acetate	7.00	43	5684	2.819	ug/l #	69
38) Carbon Tetrachloride	7.80	117	19384	5.879	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	71202	41.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71202	91.003	ug/l #	14

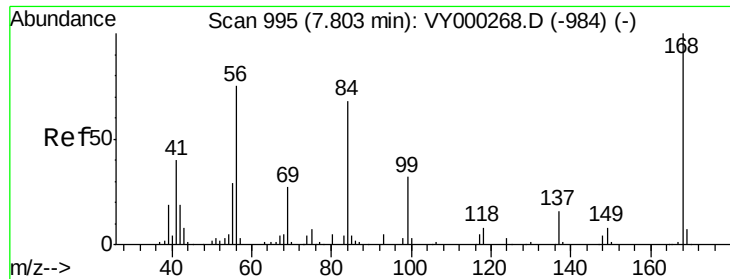
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
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ClientSampleId :

Quant Time: Oct 26 01:45:16 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: VY000428.D

Acq: 25 Oct 2019 14:56

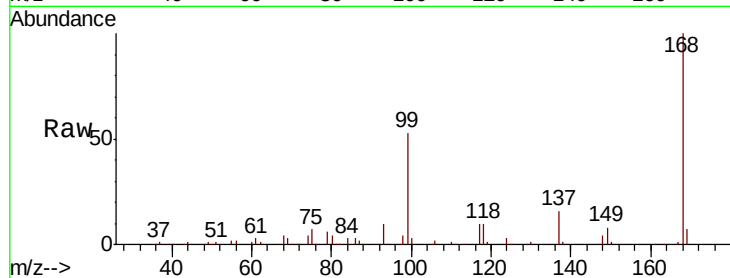
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 202107

Ion Ratio Lower Upper

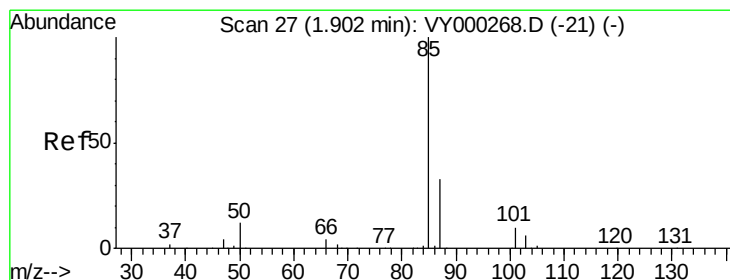
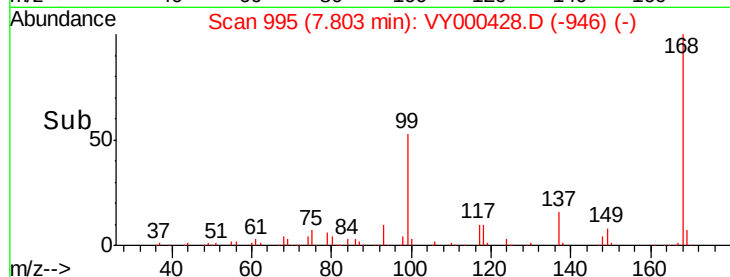
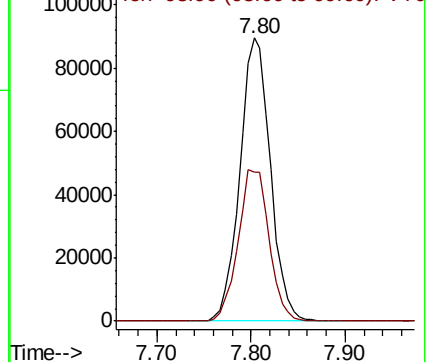
168 100

99 52.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000428.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000428.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY000428.D

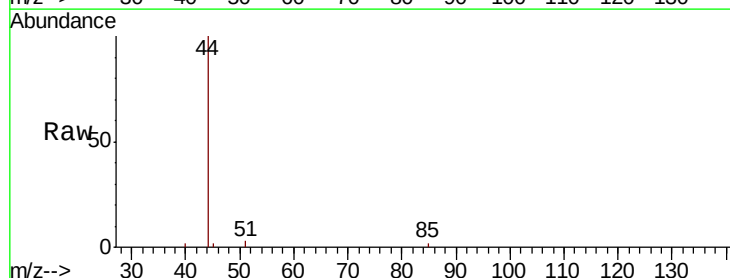
Acq: 25 Oct 2019 14:56

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

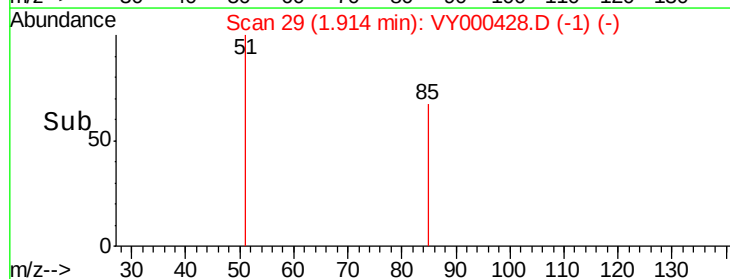
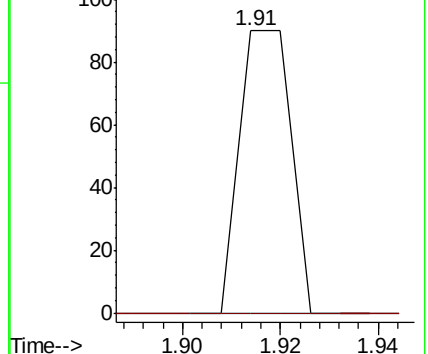
85 100

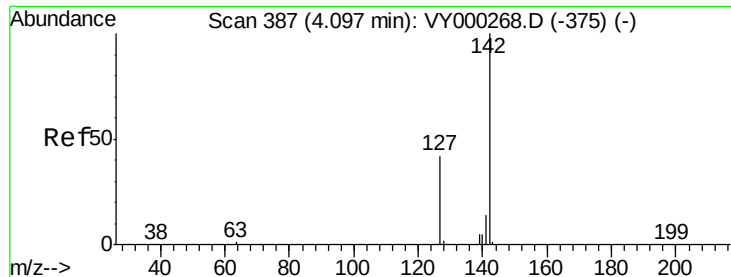
87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000428.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000428.D (-1) (-)

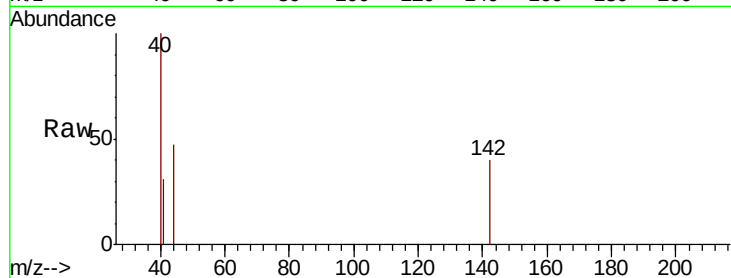




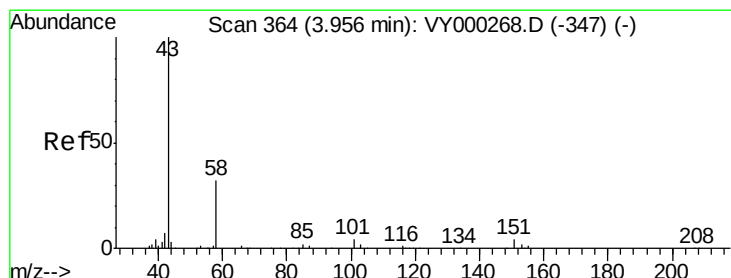
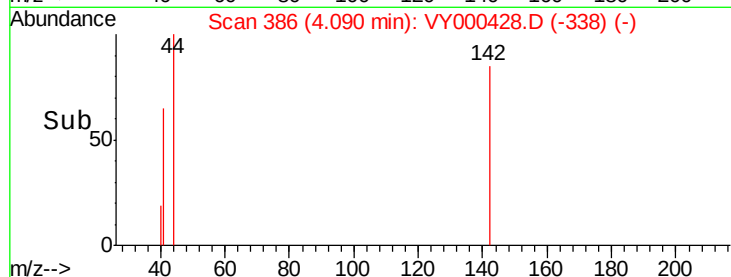
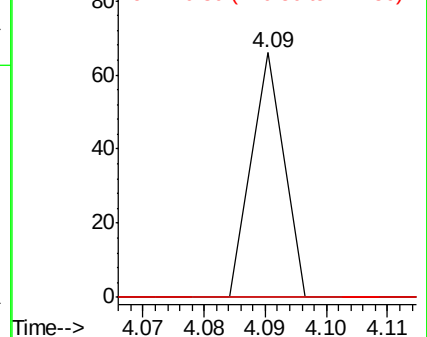
#10
Methvl Iodide
Concen: 1.194 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

Instrument :
MSVOA_Y
ClientSampleId :

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

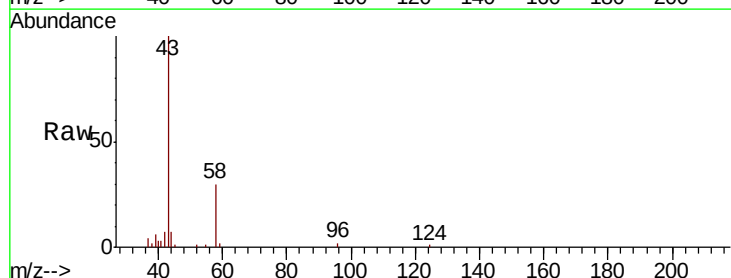


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

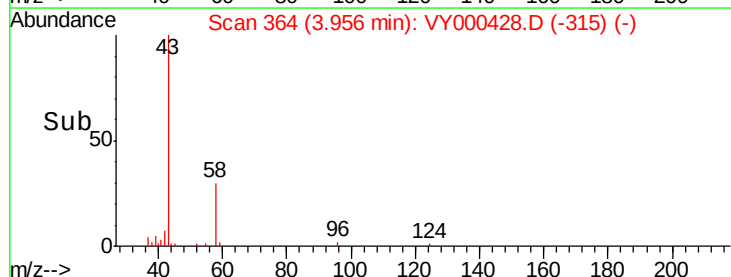
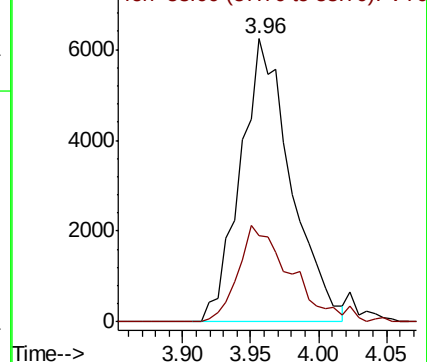


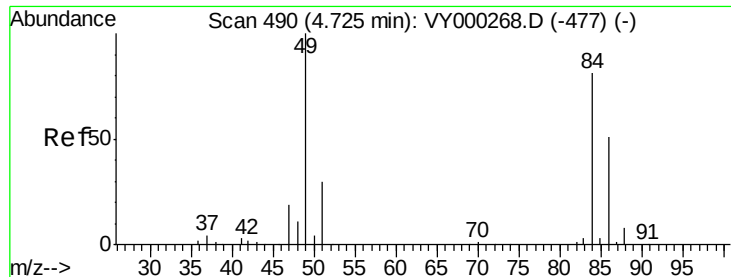
#16
Acetone
Concen: 23.417 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.8	38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

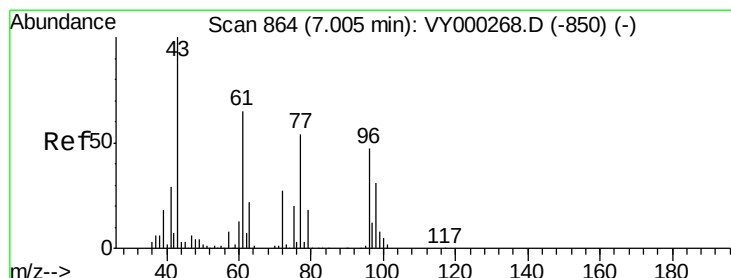
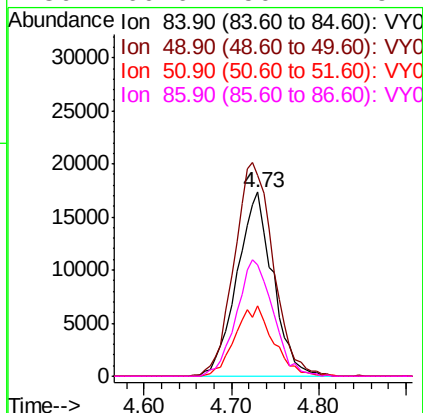
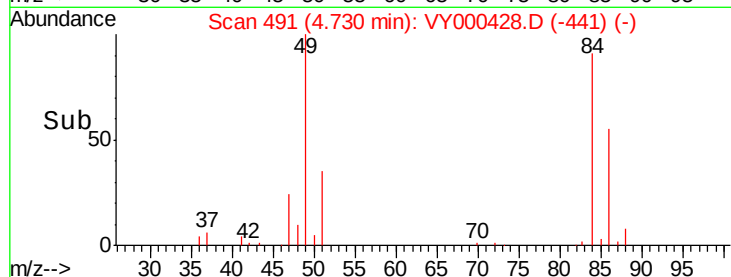
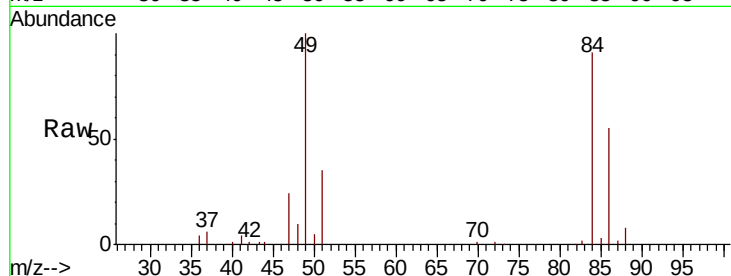




#20
Methylene Chloride
Concen: 17.826 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

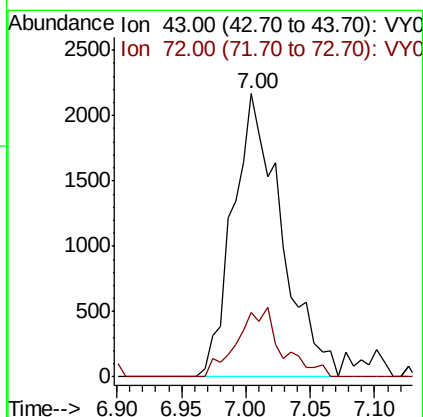
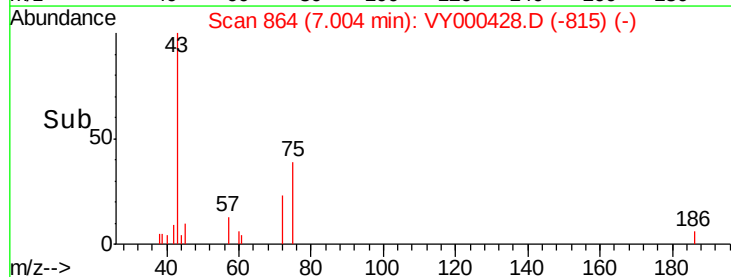
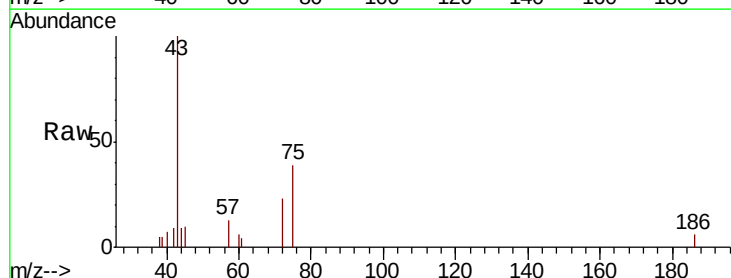
Instrument :
MSVOA_Y
ClientSampled :

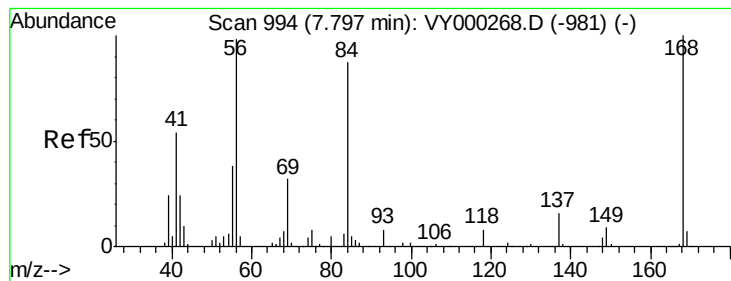
Tot Ion: 84 Resp: 49604
Ion Ratio Lower Upper
84 100
49 109.5 99.0 148.4
51 38.0 29.3 43.9
86 60.6 50.2 75.4



#25
2-Butanone
Concen: 5.844 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

Tgt Ion: 43 Resp: 5684
Ion Ratio Lower Upper
43 100
72 22.9 21.4 32.2





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

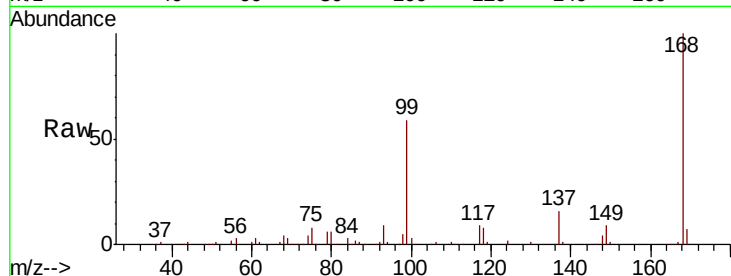
Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

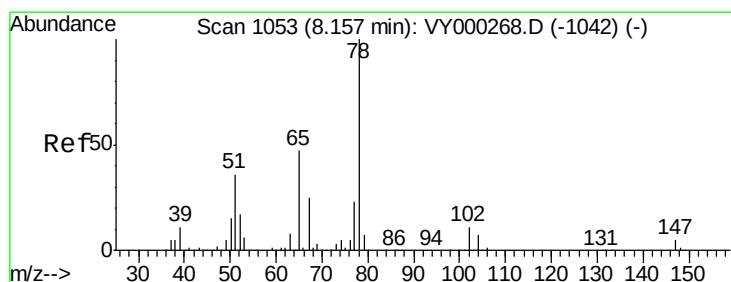
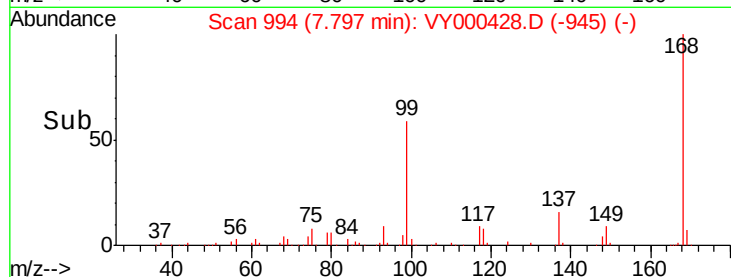
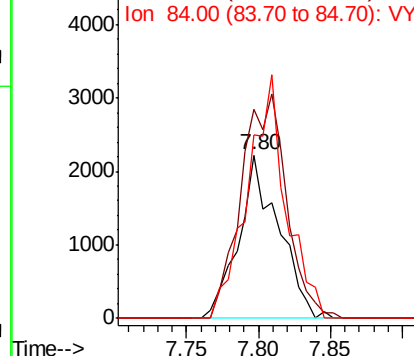
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4271

Ion	Ratio	Lower	Upper
56	100		
69	128.2	26.3	39.5#
84	112.7	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: 53.984 ug/l

RT: 8.16 min Scan# 1053

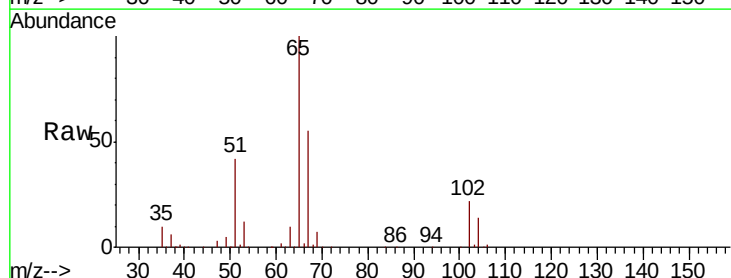
Delta R.T. -0.00 min

Lab File: VY000428.D

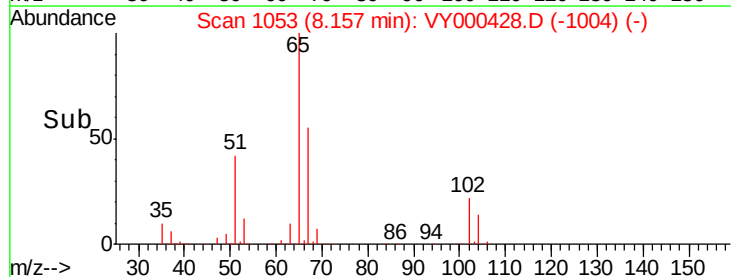
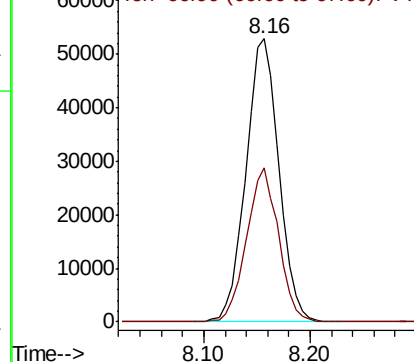
Acq: 25 Oct 2019 14:56

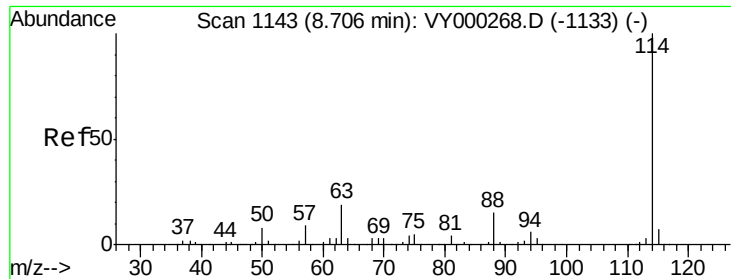
Tgt Ion: 65 Resp: 115090

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

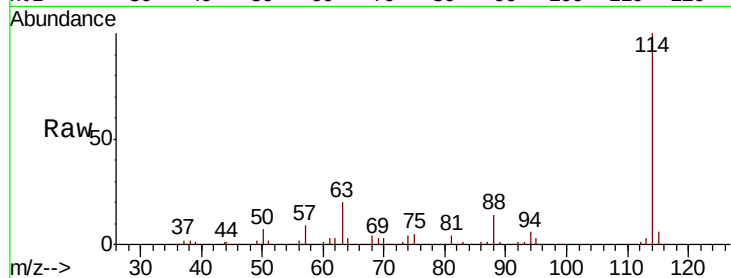




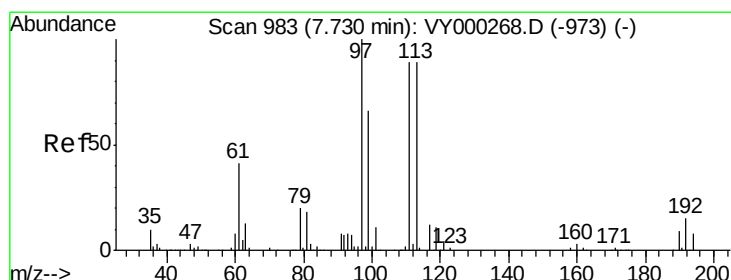
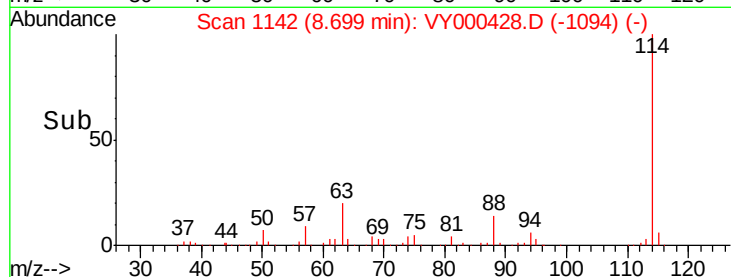
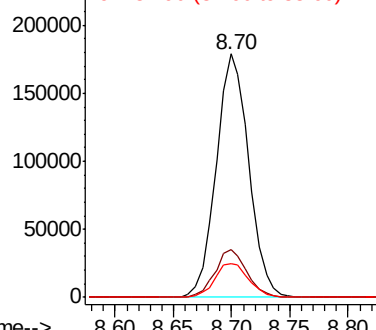
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000428.D
 Acq: 25 Oct 2019 14:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	37.2
88	14.0	0.0	30.2

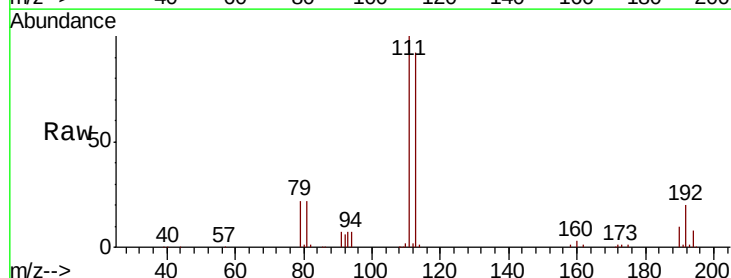


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

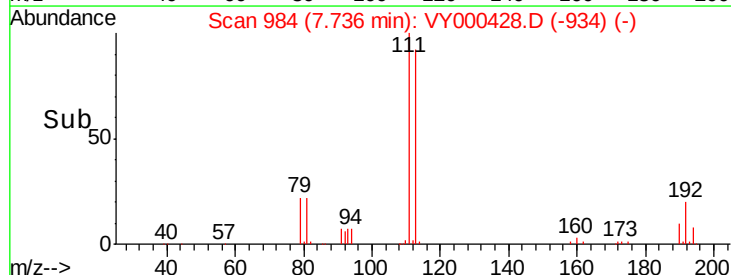
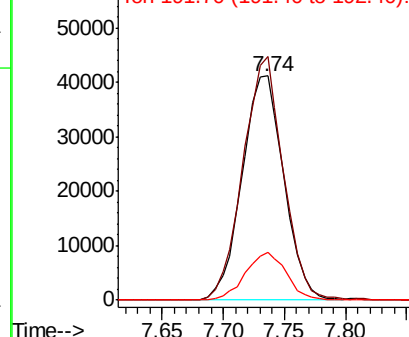


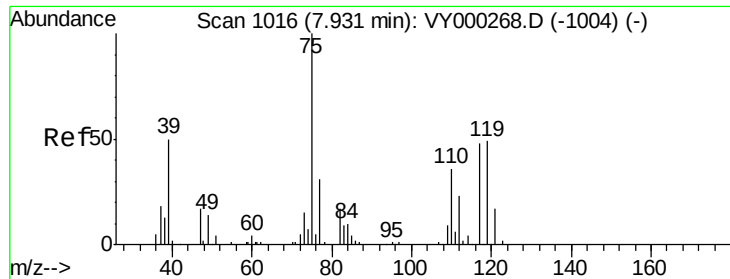
#35
 Dibromofluoromethane
 Concen: 46.675 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000428.D
 Acq: 25 Oct 2019 14:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.6	122.4
192	20.8	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: 4.481 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :

MSVOA_Y

ClientSampleId :

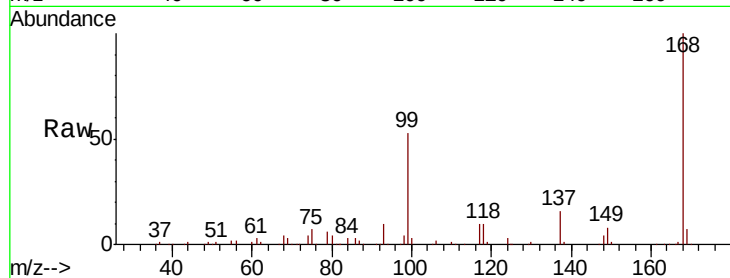
Tot Ion: 75 Resp: 15260

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.4#

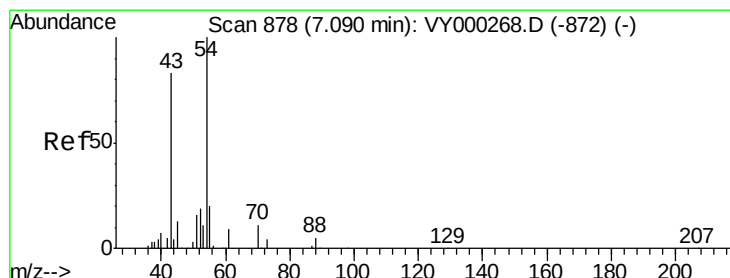
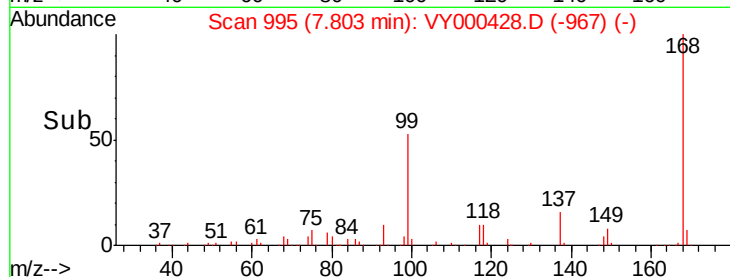
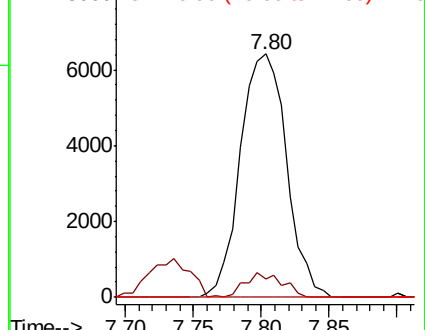
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 2.819 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.09 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

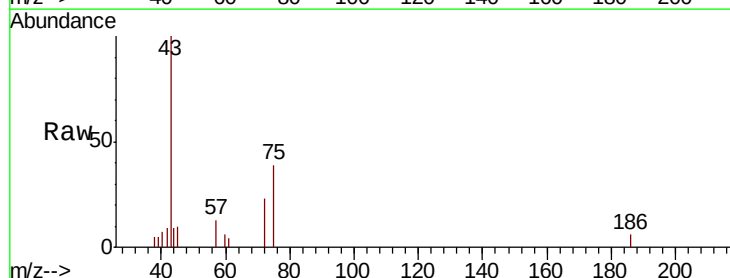
Tgt Ion: 43 Resp: 5684

Ion Ratio Lower Upper

43 100

61 1.8 12.1 18.1#

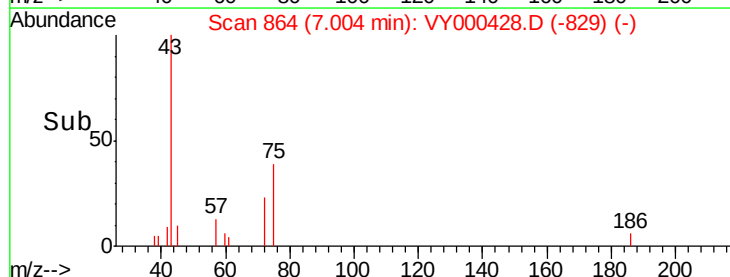
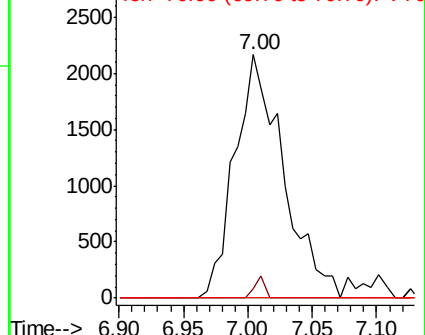
70 0.0 8.7 13.1#

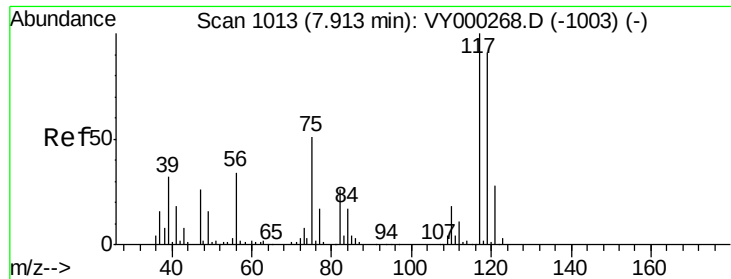


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :
MSVOA_Y
ClientSampled :

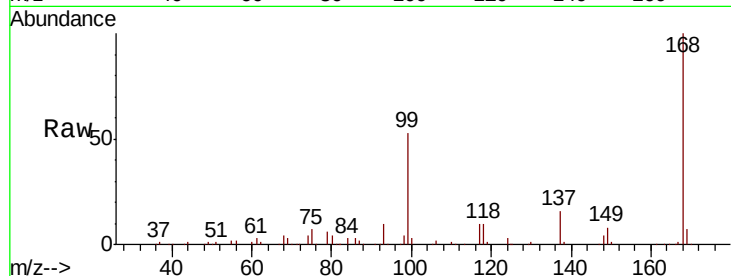
Tot Ion:117 Resp: 19384

Ion Ratio Lower Upper

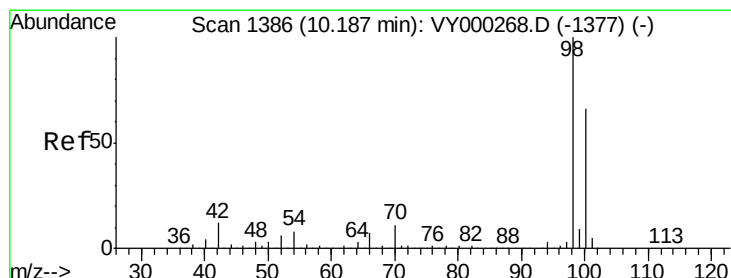
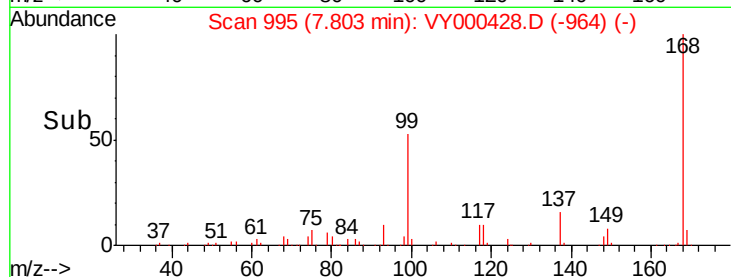
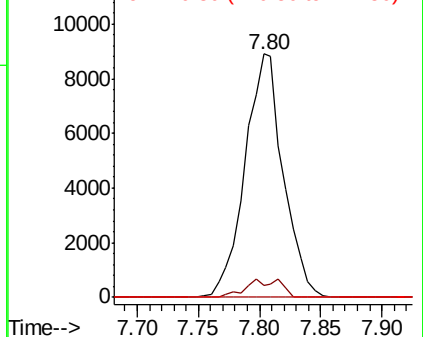
117 100

119 5.1 72.8 109.2#

121 0.0 22.2 33.2#



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



#50

Toluene-d8

Concen: 49.270 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000428.D

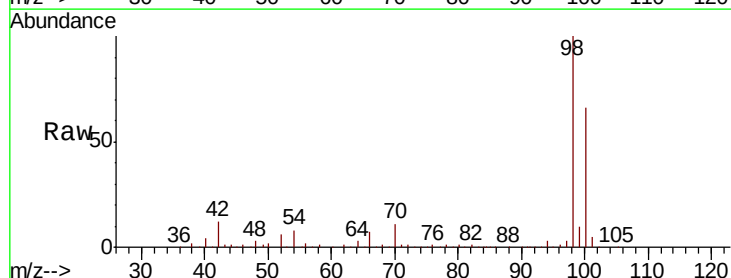
Acq: 25 Oct 2019 14:56

Tgt Ion: 98 Resp: 397647

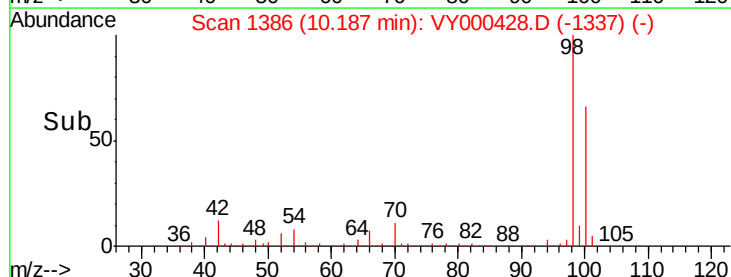
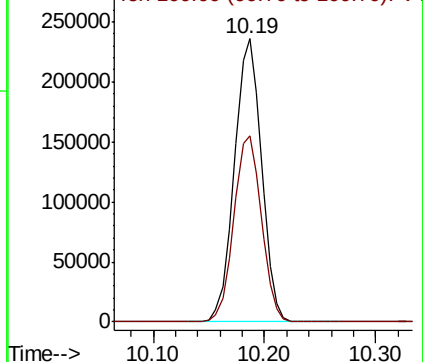
Ion Ratio Lower Upper

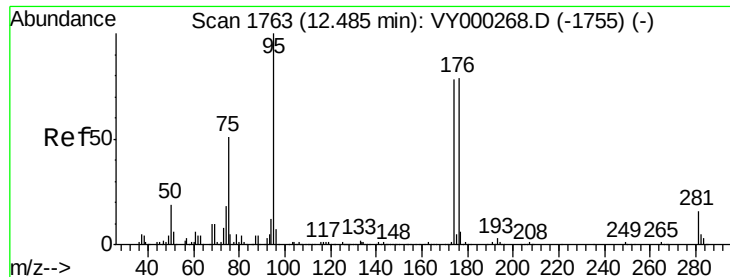
98 100

100 66.9 52.8 79.2



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

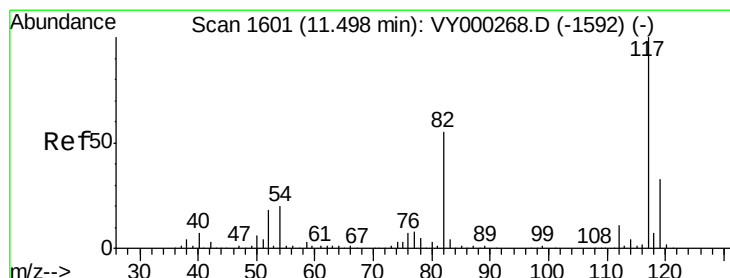
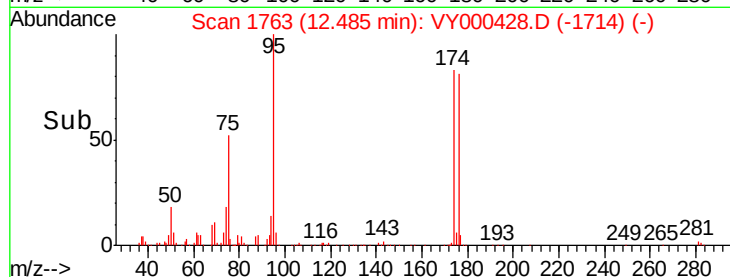
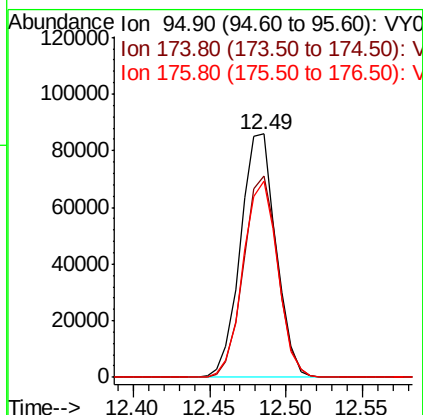
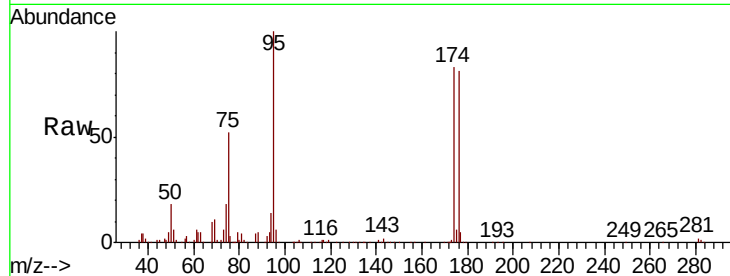




#62
4-Bromofluorobenzene
Concen: 45.083 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

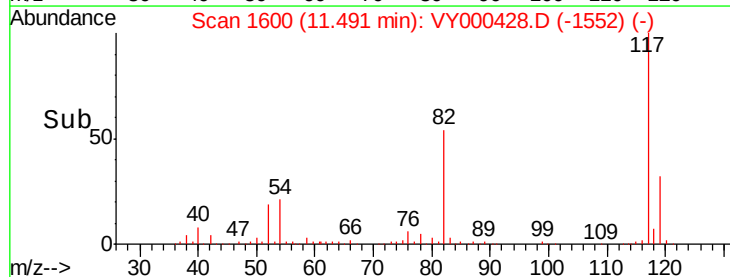
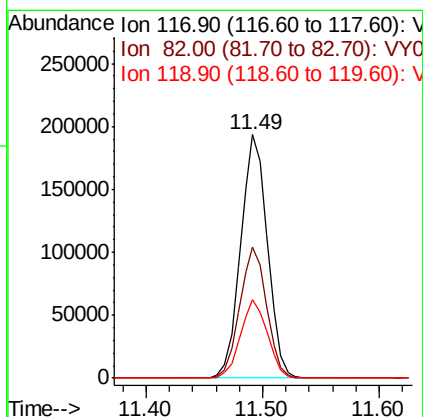
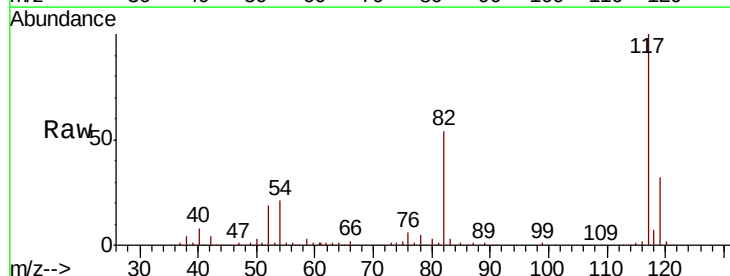
Instrument :
MSVOA_Y
ClientSampleId :

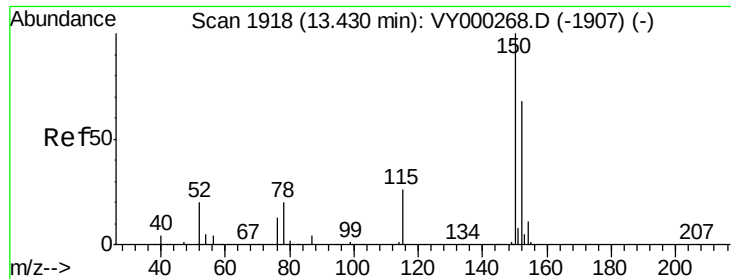
Tot Ion: 95 Resp: 138231
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.6
176 79.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

Tgt Ion: 117 Resp: 309819
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.2 26.6 39.8



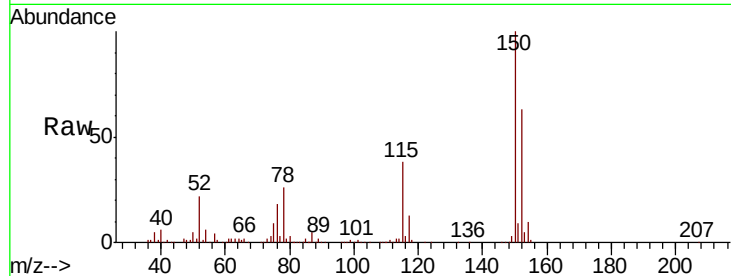


#72

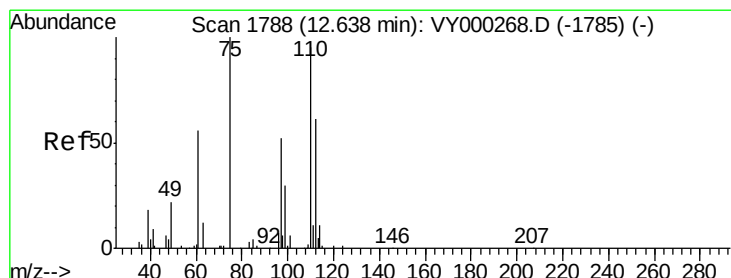
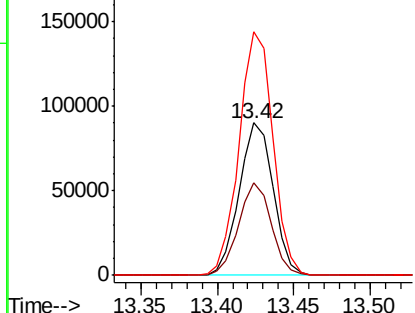
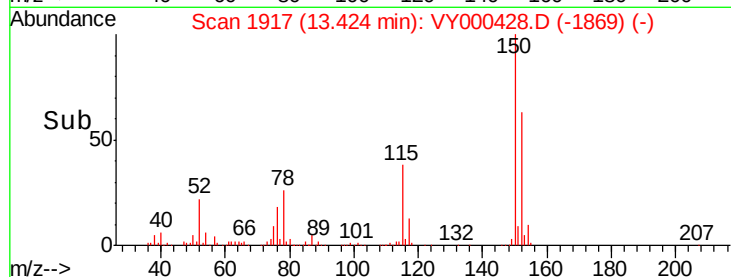
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	159.0	0.0	348.4



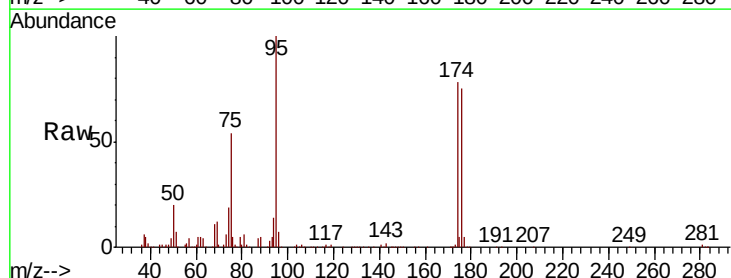
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



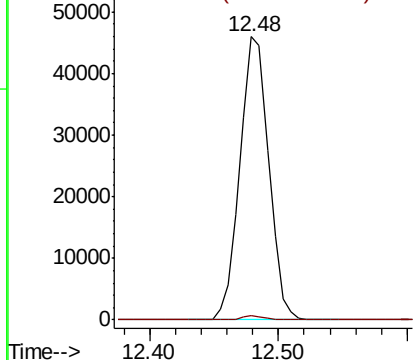
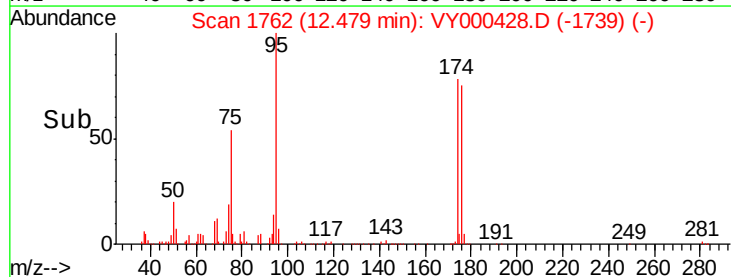
#76

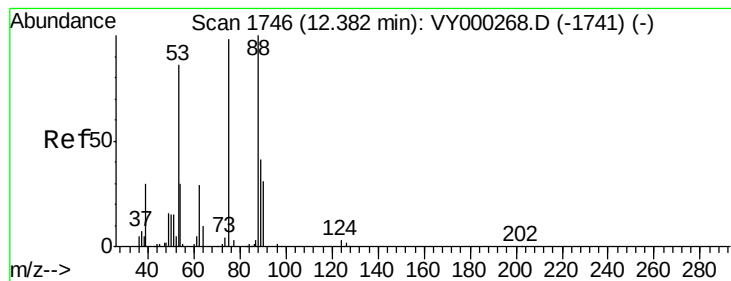
1,2,3-Trichloropropane
Concen: 41.593 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000428.D
Acq: 25 Oct 2019 14:56

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: 91.003 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 71202

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

