

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000467.D
 Acq On : 29 Oct 2019 12:23
 Operator : SY/MD
 Sample : K5587-01
 Misc : 5.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 07:17:49 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	199844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	332648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	257465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	75681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	119351	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
35) Dibromofluoromethane	7.74	113	102940	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.18	98	388922	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.48	95	90653	30.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.82%	

Target Compounds

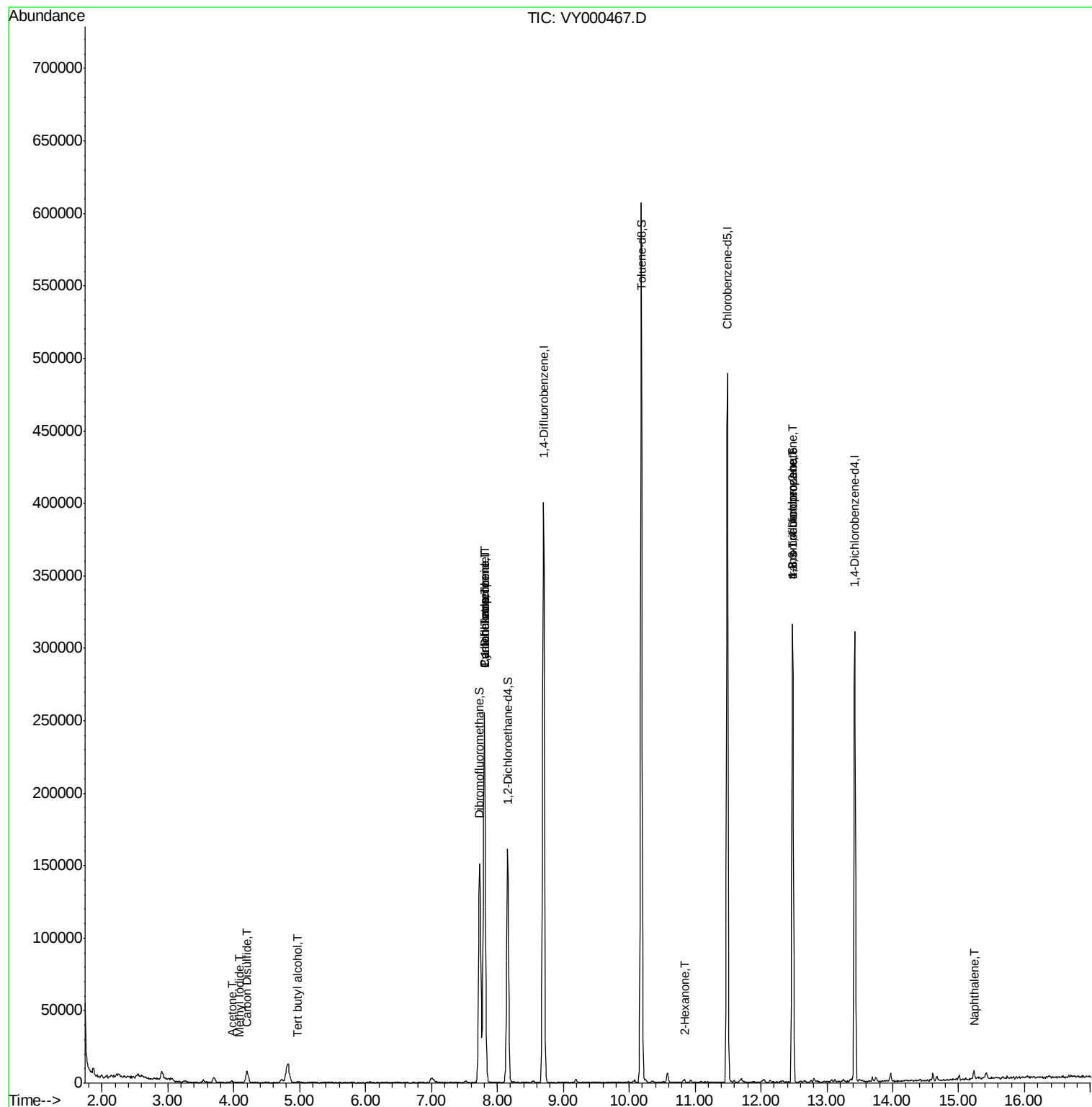
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	103	Below Cal	#	41
10) Methyl Iodide	4.10	142	56	1.205	ug/l #	41
11) Tert butyl alcohol	4.97	59	546	2.475	ug/l #	85
16) Acetone	3.97	43	1709	2.503	ug/l #	88
17) Carbon Disulfide	4.19	76	15868	2.497	ug/l	100
20) Methylene Chloride	4.72	84	993	Below Cal	#	77
31) Cyclohexane	7.80	56	4544	1.127	ug/l #	46
36) 1,1-Dichloropropene	7.80	75	15608	4.792	ug/l #	50
38) Carbon Tetrachloride	7.80	117	19924	6.318	ug/l #	19
59) 2-Hexanone	10.84	43	1354	1.020	ug/l	87
76) 1,2,3-Trichloropropane	12.48	75	48252	51.849	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	48252	113.445	ug/l #	14
95) Naphthalene	15.23	128	4380	1.204	ug/l #	94

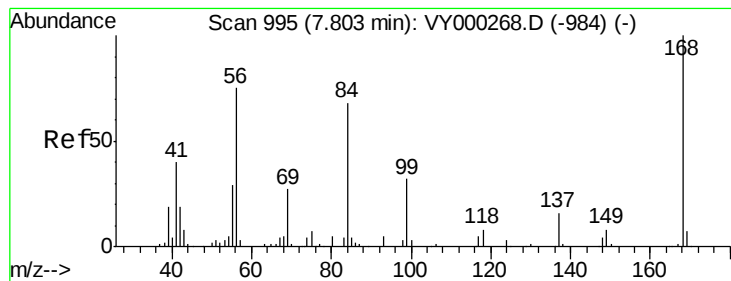
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000467.D

Acq: 29 Oct 2019 12:23

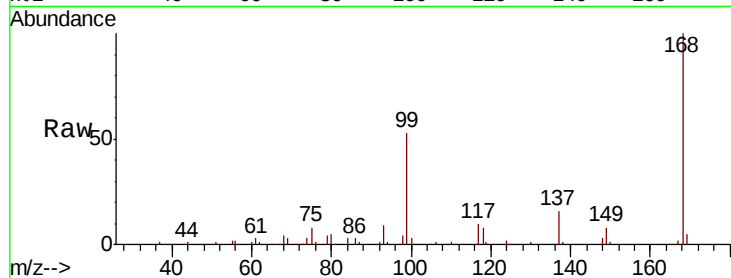
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 199844

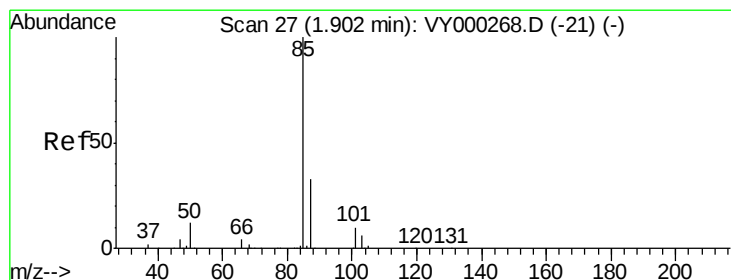
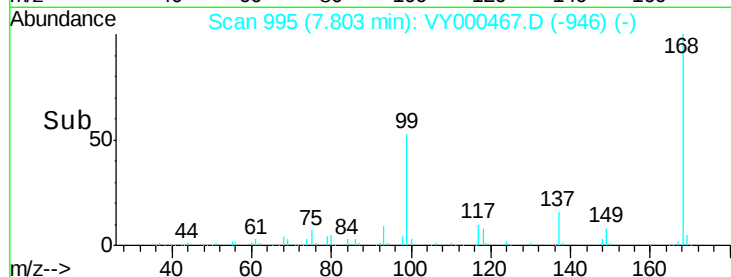
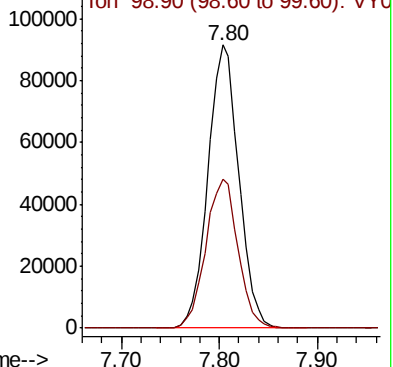
Ion Ratio Lower Upper

168 100

99 52.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000467.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.02 min

Lab File: VY000467.D

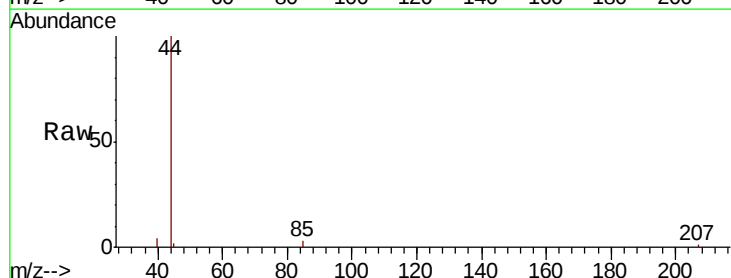
Acq: 29 Oct 2019 12:23

Tgt Ion: 85 Resp: 103

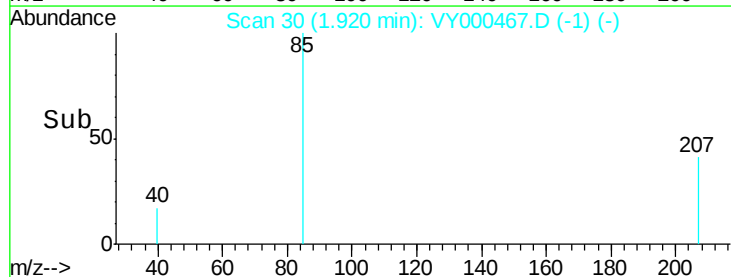
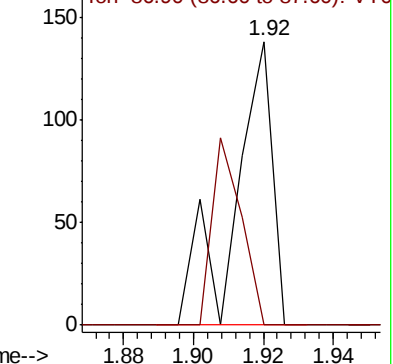
Ion Ratio Lower Upper

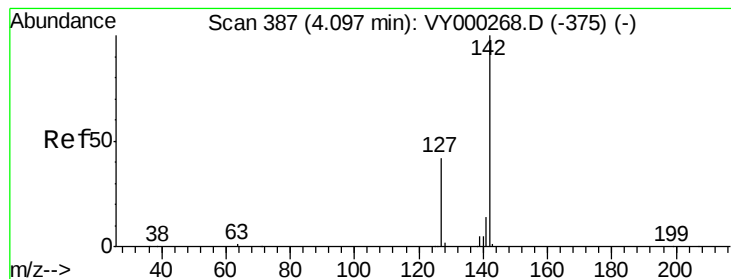
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000467.D (-1) (-)





#10

Methyl Iodide

Concen: 1.205 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

Instrument :

MSVOA_Y

ClientSampled :

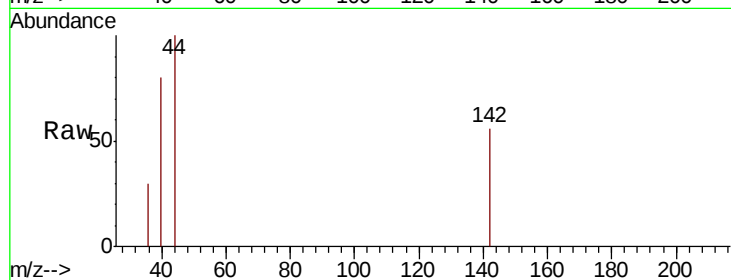
Tot Ion: 142 Resp: 56

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

141 0.0 11.2 16.8#



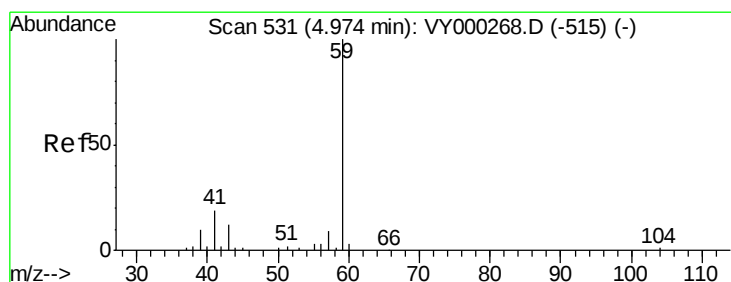
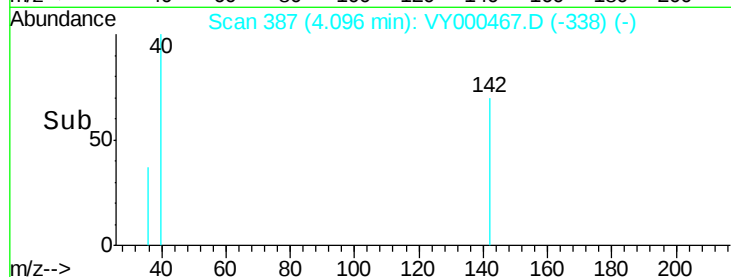
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.10

Time-->



#11

Tert butyl alcohol

Concen: 2.475 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY000467.D

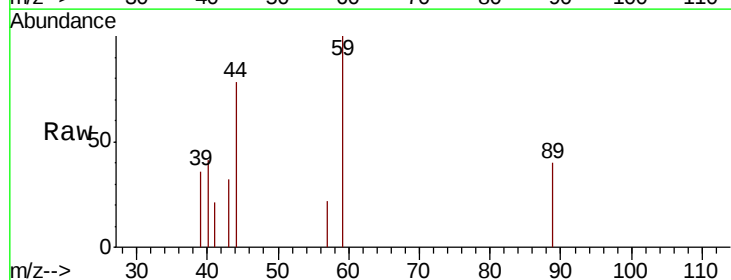
Acq: 29 Oct 2019 12:23

Tgt Ion: 59 Resp: 546

Ion Ratio Lower Upper

59 100

57 4.8 8.2 12.2#

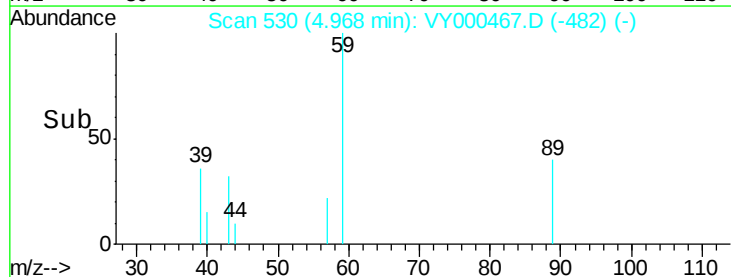


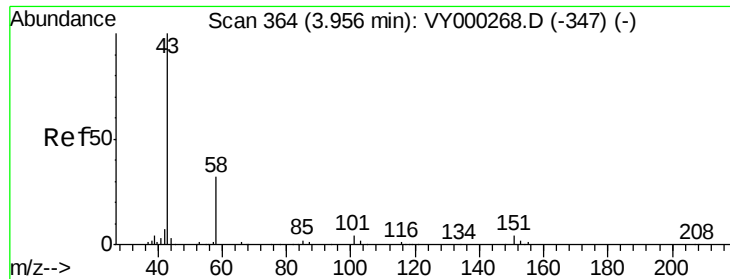
Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.97

Time-->





#16

Acetone

Concen: 2.503 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

Instrument :

MSVOA_Y

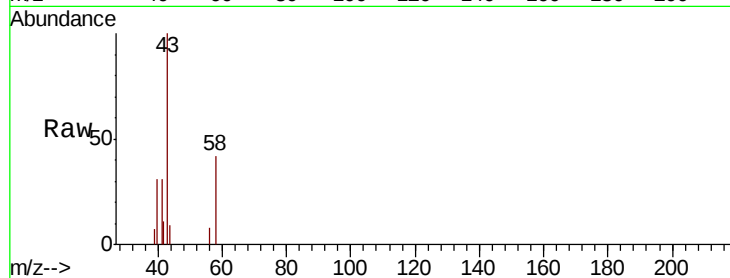
ClientSampleId :

Tot Ion: 43 Resp: 1709

Ion Ratio Lower Upper

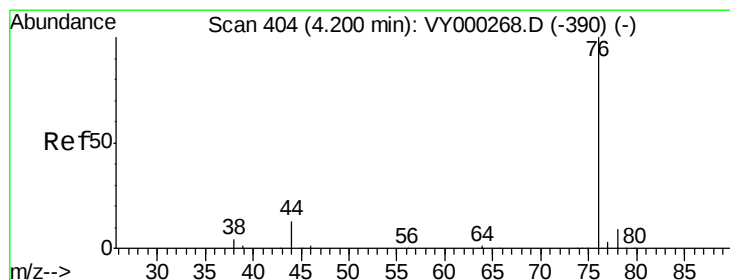
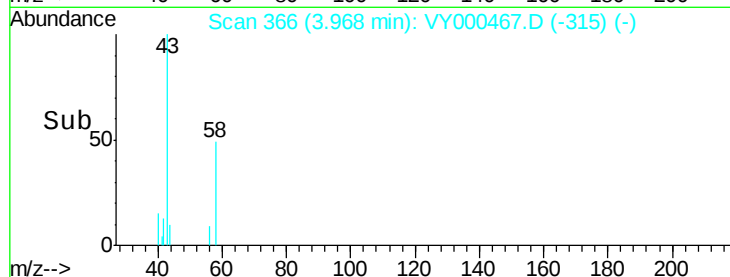
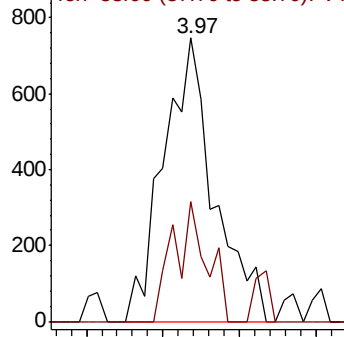
43 100

58 39.0 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: 2.497 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000467.D

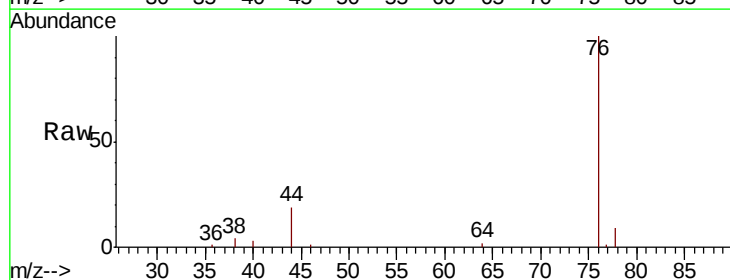
Acq: 29 Oct 2019 12:23

Tgt Ion: 76 Resp: 15868

Ion Ratio Lower Upper

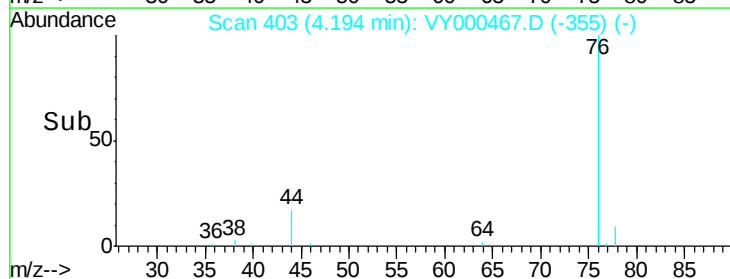
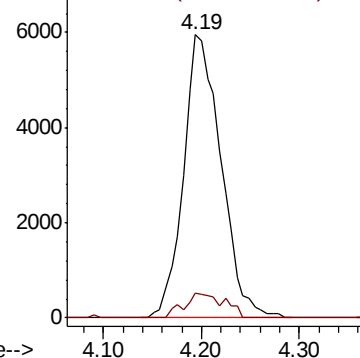
76 100

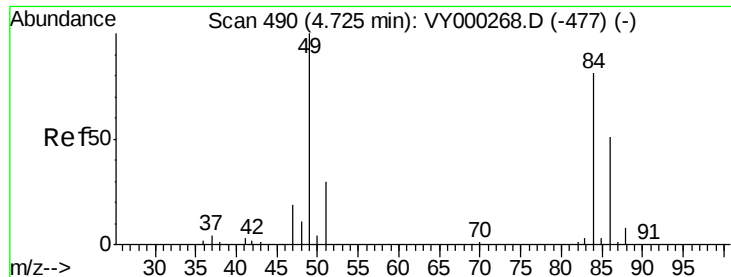
78 8.6 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

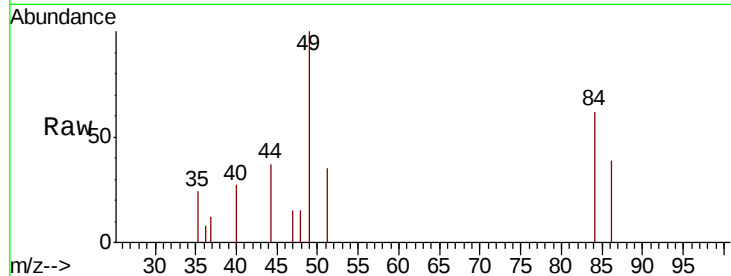




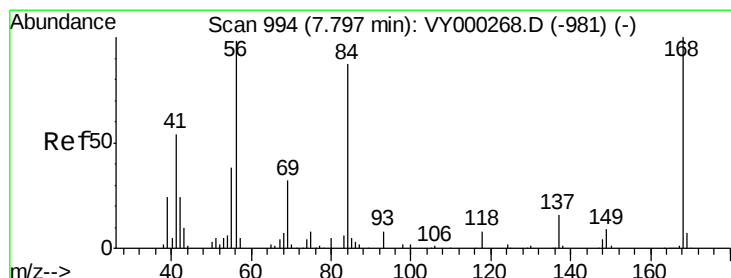
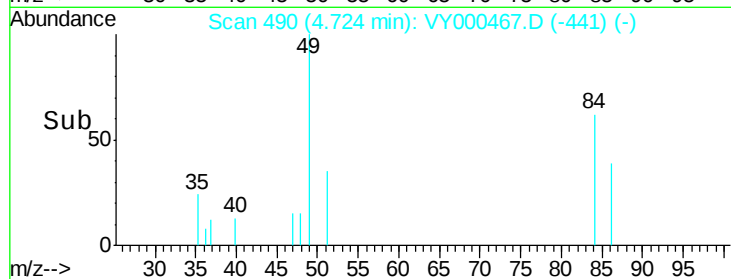
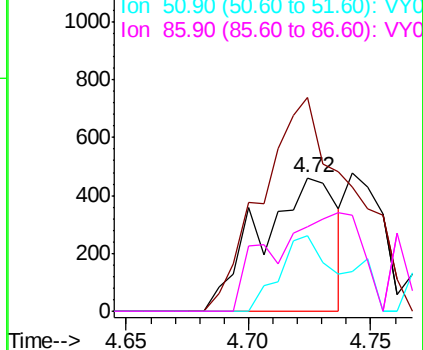
#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 993
Ion Ratio Lower Upper
84 100
49 160.1 99.0 148.4#
51 56.6 29.3 43.9#
86 63.1 50.2 75.4

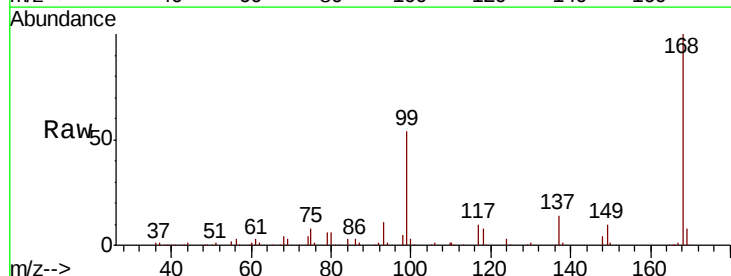


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

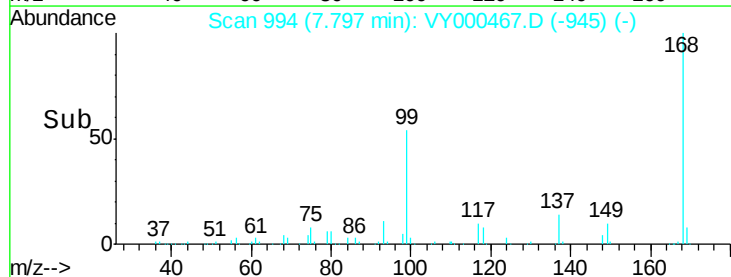
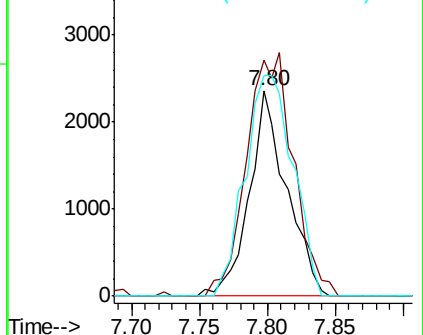


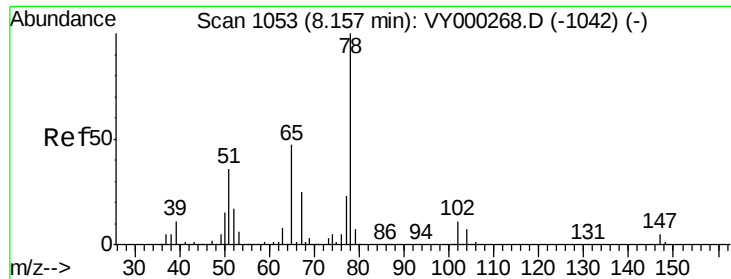
#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Tgt Ion: 56 Resp: 4544
Ion Ratio Lower Upper
56 100
69 115.0 26.3 39.5#
84 107.6 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

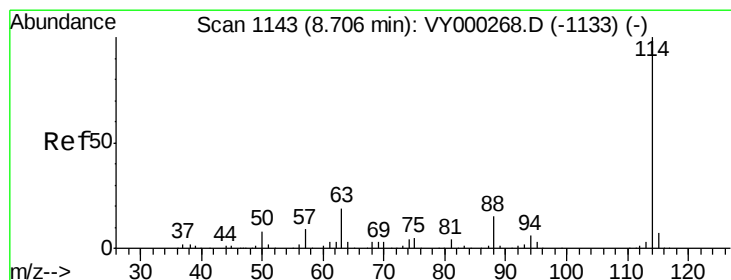
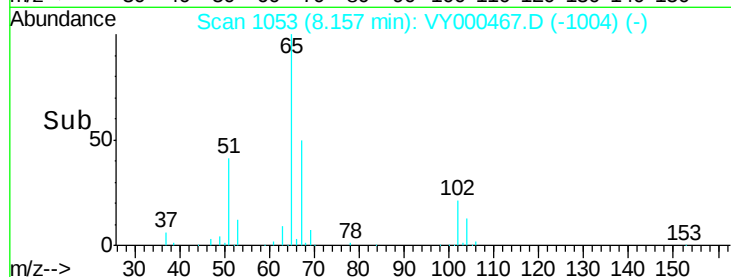
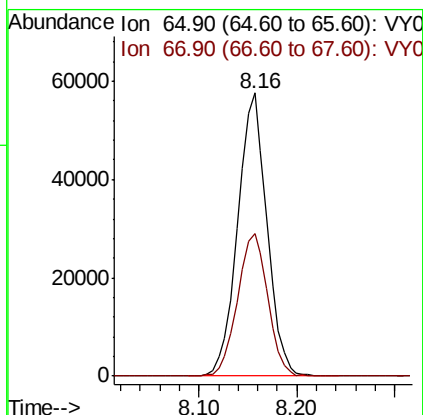
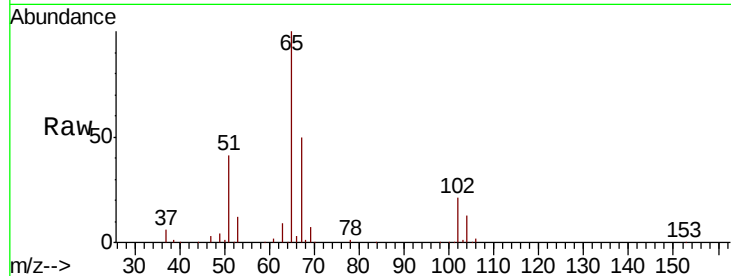




#33
 1,2-Dichloroethane-d4
 Concen: 56.617 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000467.D
 Acq: 29 Oct 2019 12:23

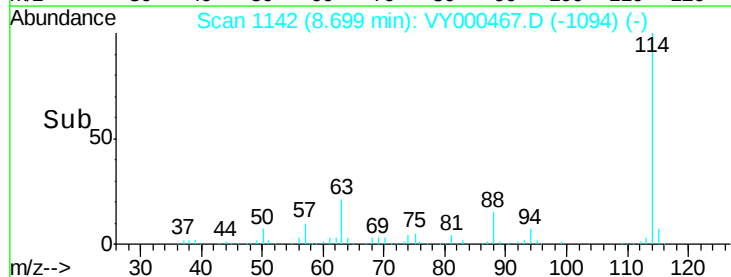
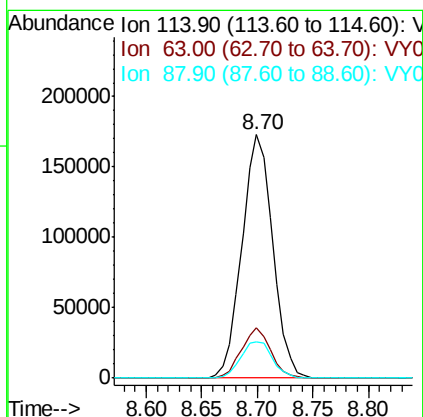
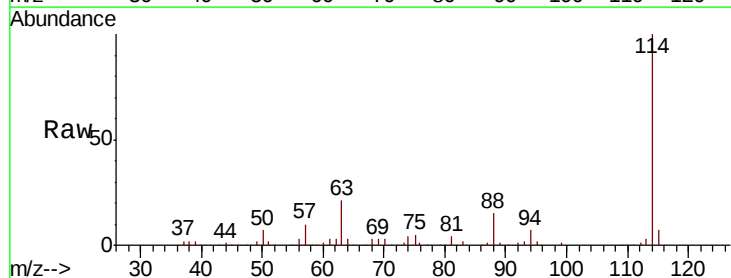
Instrument :
 MSVOA_Y
 ClientSampleId :

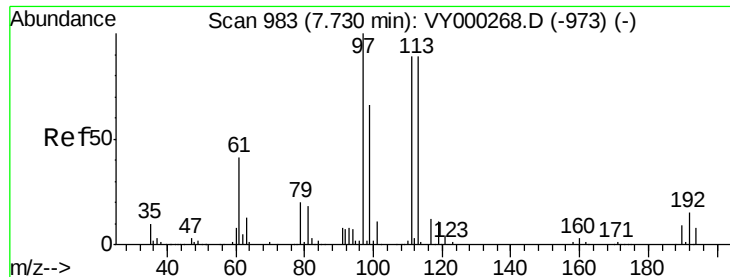
Tot Ion: 65 Resp: 119351
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000467.D
 Acq: 29 Oct 2019 12:23

Tgt Ion: 114 Resp: 332648
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.2
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.302 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

Instrument :
MSVOA_Y
ClientSampleId :

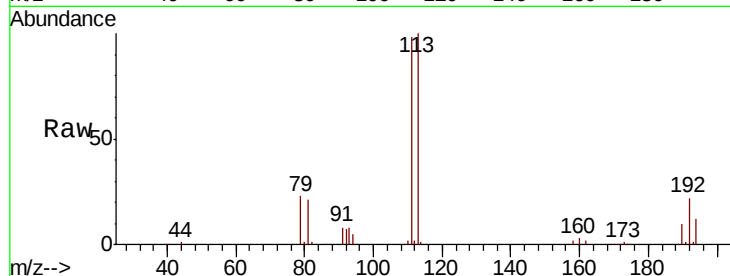
Tot Ion:113 Resp: 102940

Ion Ratio Lower Upper

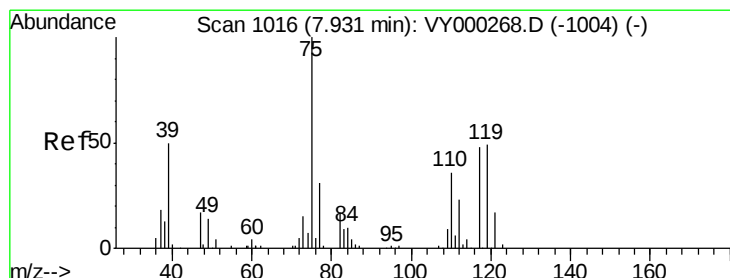
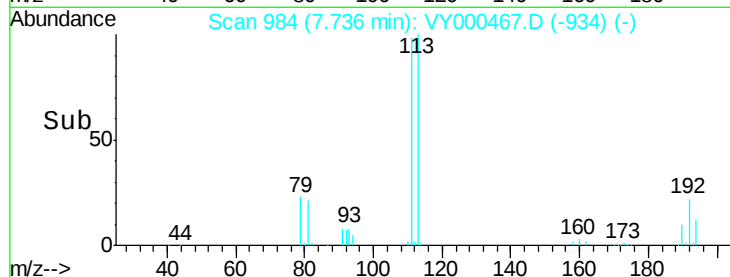
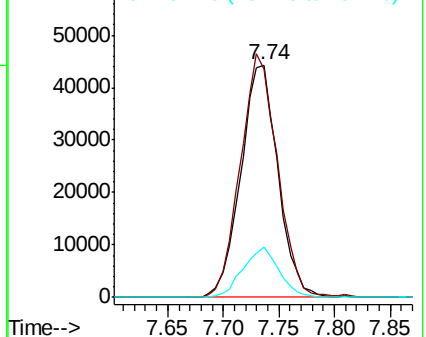
113 100

111 104.4 81.6 122.4

192 21.0 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: 4.792 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

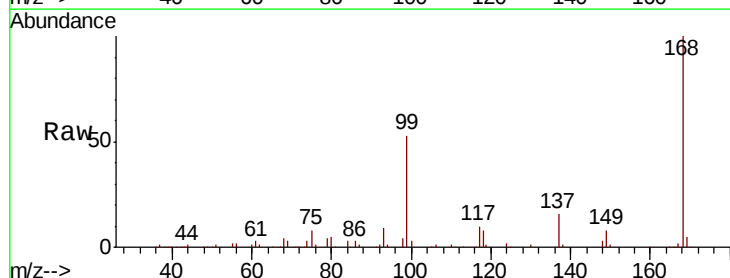
Tgt Ion: 75 Resp: 15608

Ion Ratio Lower Upper

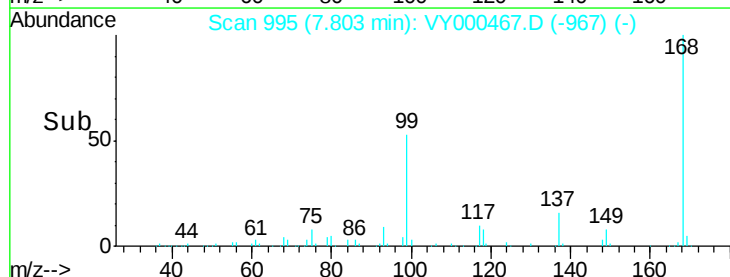
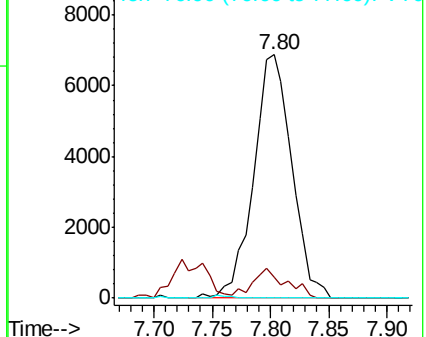
75 100

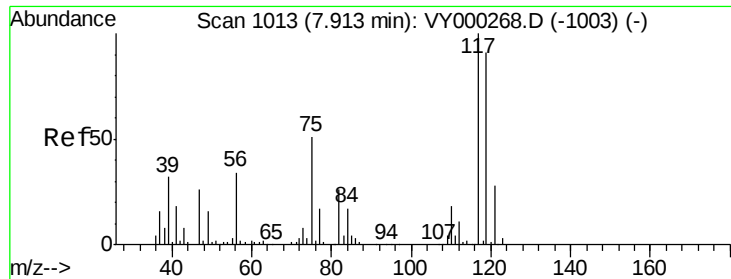
110 10.8 18.4 55.4#

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

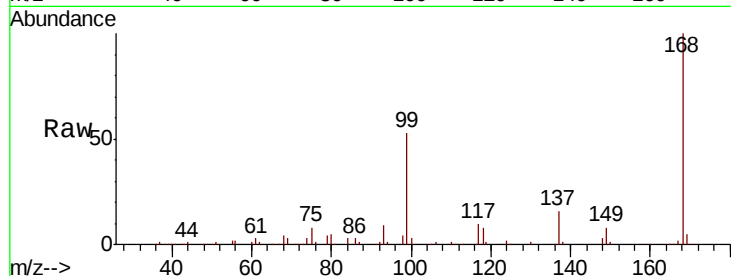




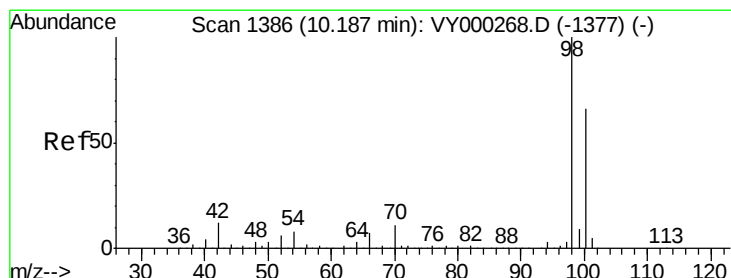
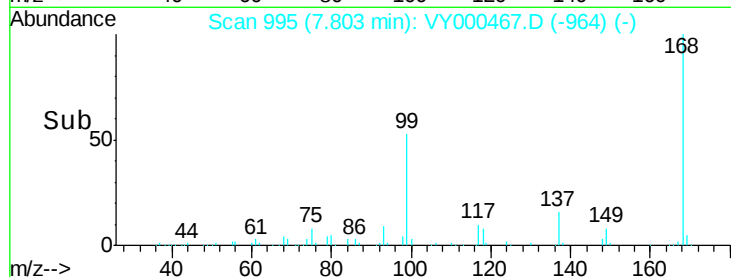
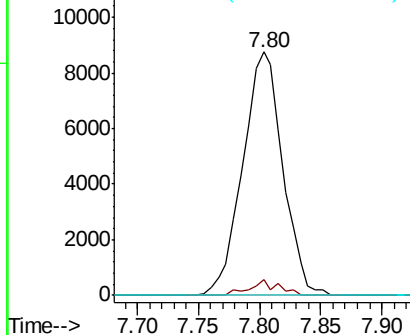
#38
Carbon Tetrachloride
Concen: 6.318 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 19924
Ion Ratio Lower Upper
117 100
119 6.5 72.8 109.2#
121 0.0 22.2 33.2#

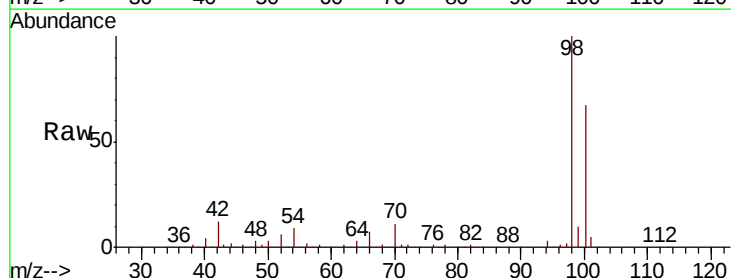


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

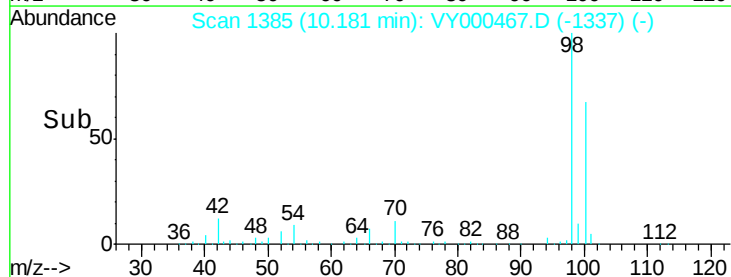
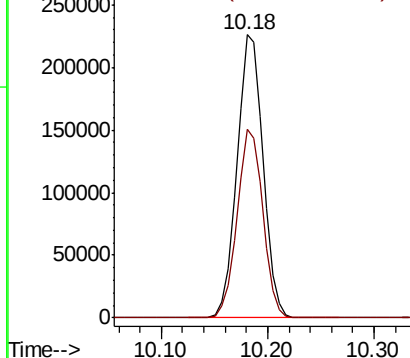


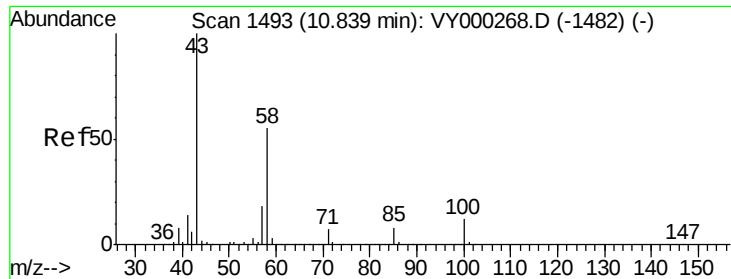
#50
Toluene-d8
Concen: 50.387 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Tgt Ion: 98 Resp: 388922
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



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

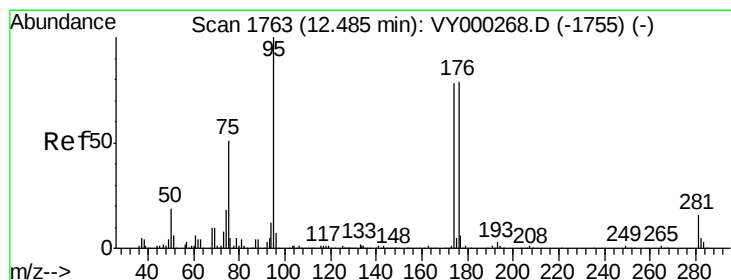
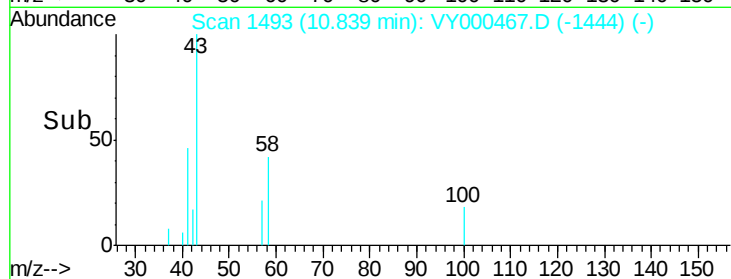
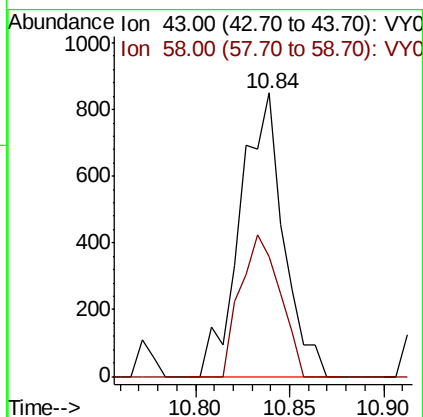
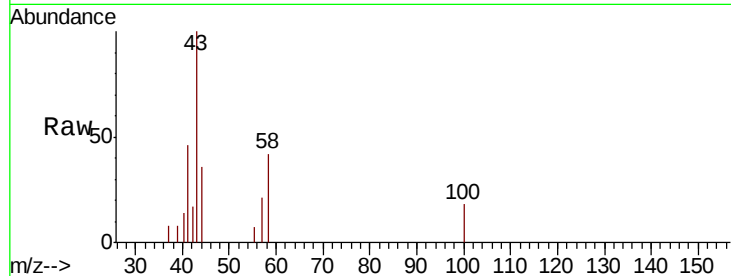




#59
2-Hexanone
Concen: 1.020 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

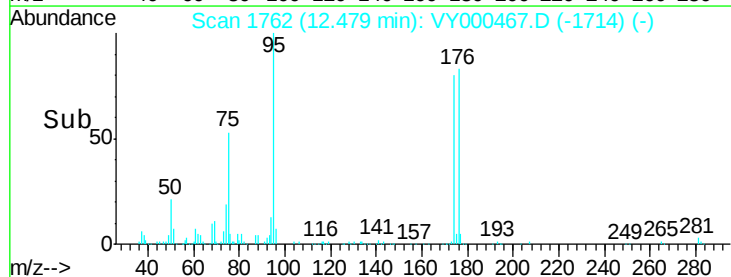
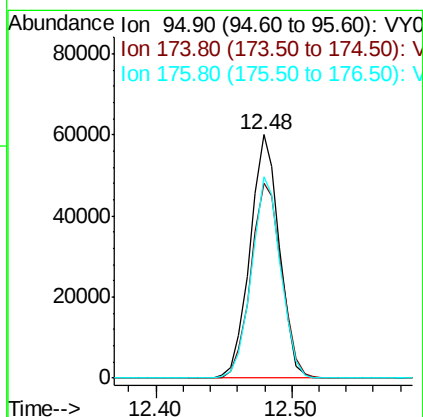
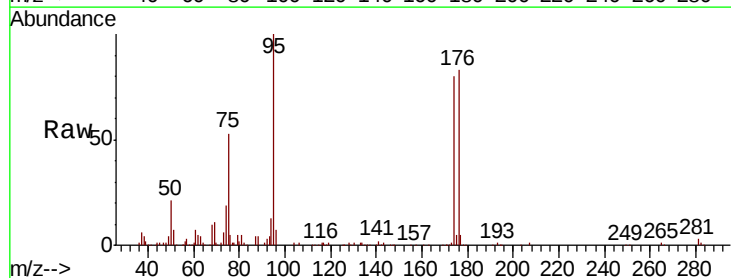
Instrument :
MSVOA_Y
ClientSampleId :

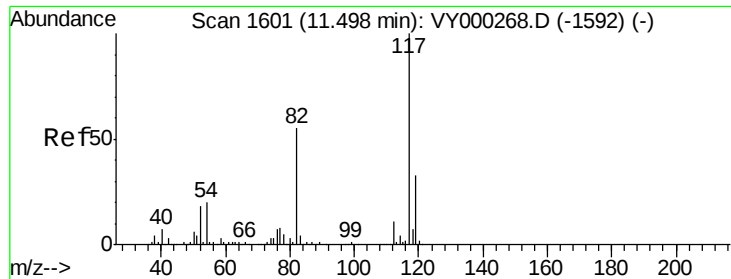
Tot Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 45.7 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 30.914 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Tgt Ion: 95 Resp: 90653
Ion Ratio Lower Upper
95 100
174 84.0 0.0 159.6
176 82.0 0.0 153.8

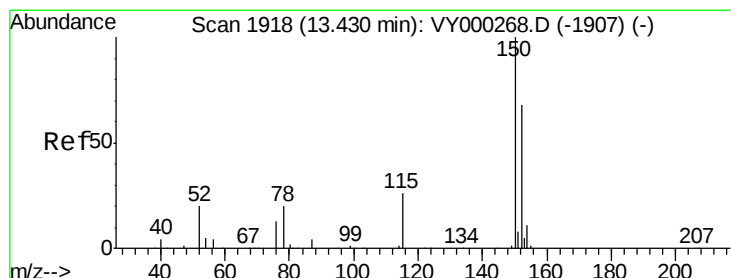
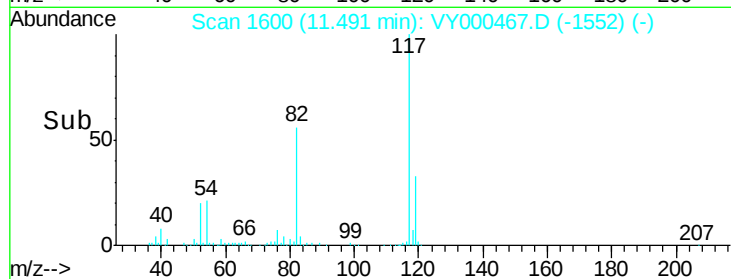
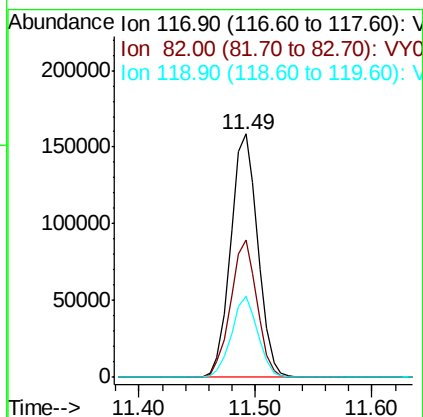
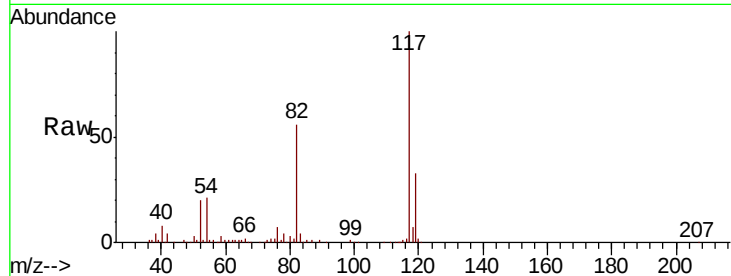




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

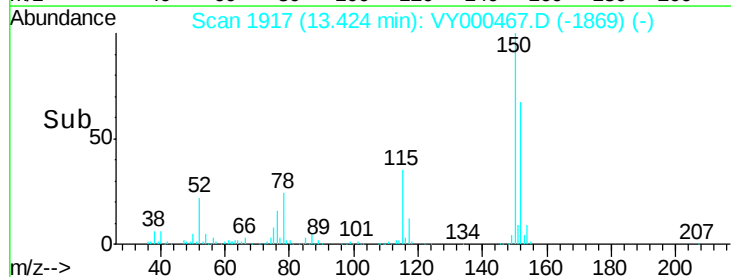
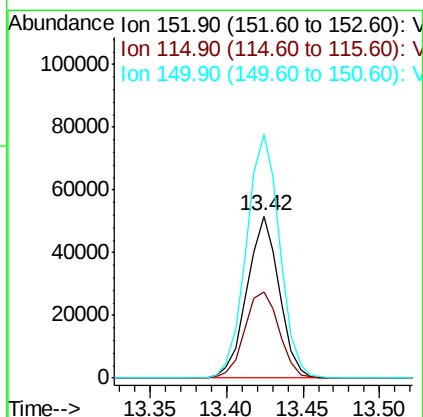
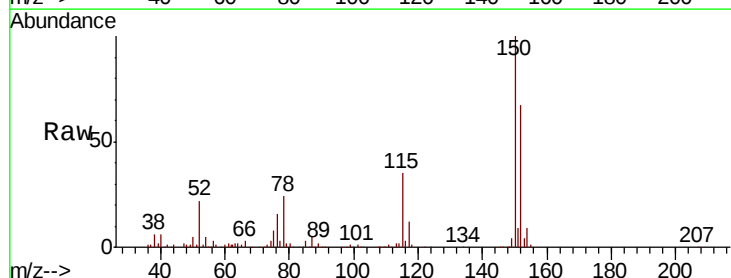
Instrument :
MSVOA_Y
ClientSampleId :

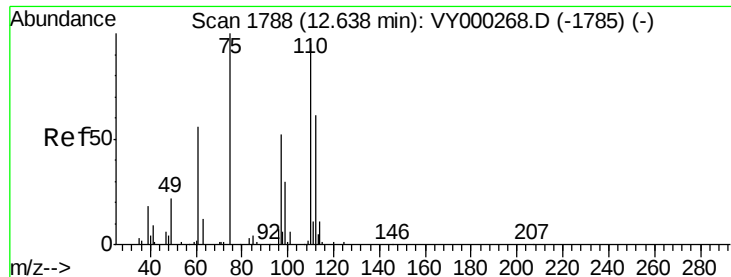
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.7	65.5
119	33.1	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.3	88.0
150	155.5	0.0	348.4





#76

1,2,3-Trichloropropane

Concen: 51.849 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

Instrument :

MSVOA_Y

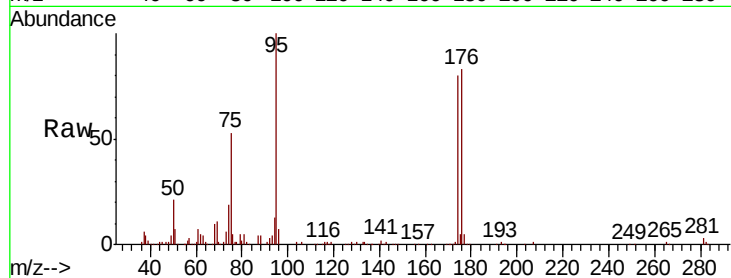
ClientSampleId :

Tot Ion: 75 Resp: 48252

Ion Ratio Lower Upper

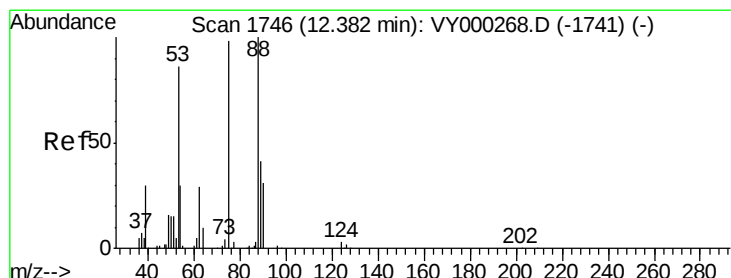
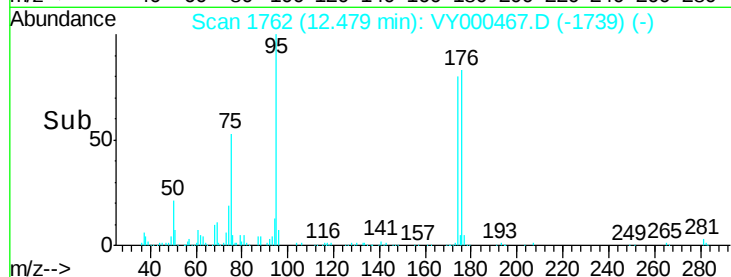
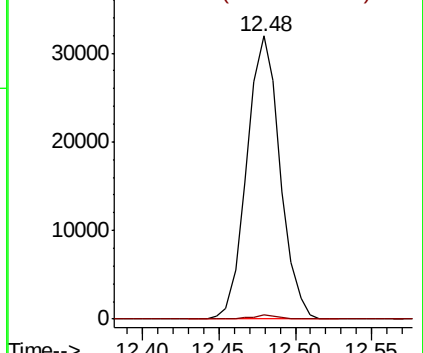
75 100

77 1.2 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: 113.445 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000467.D

Acq: 29 Oct 2019 12:23

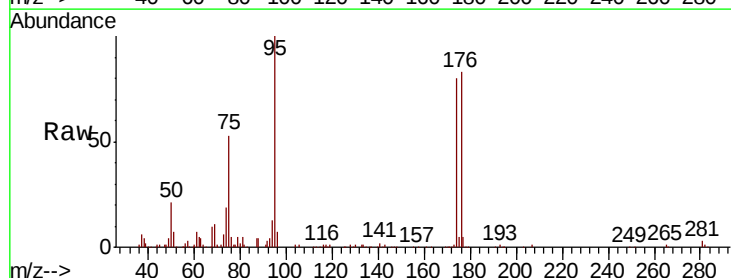
Tgt Ion: 75 Resp: 48252

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

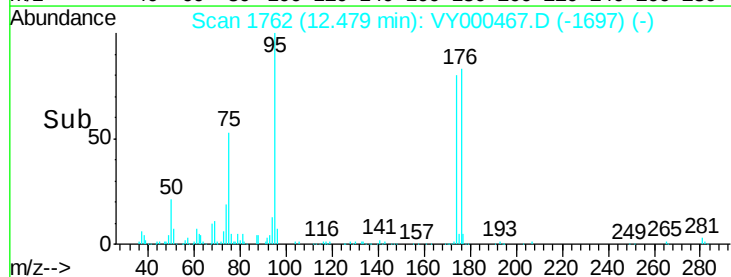
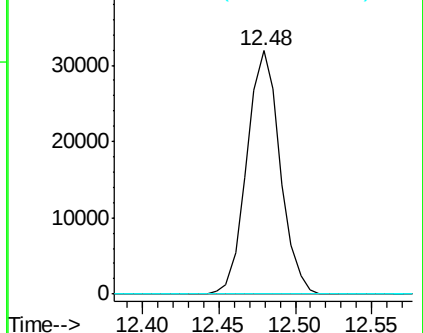
89 0.0 35.1 52.7#

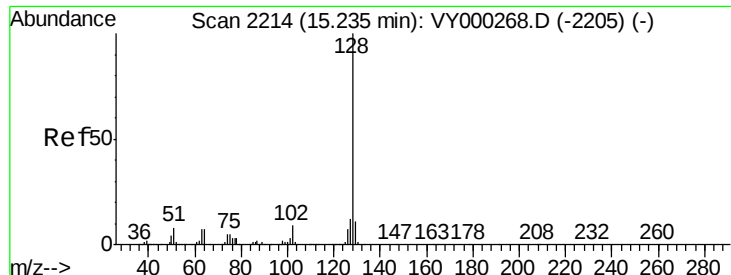


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

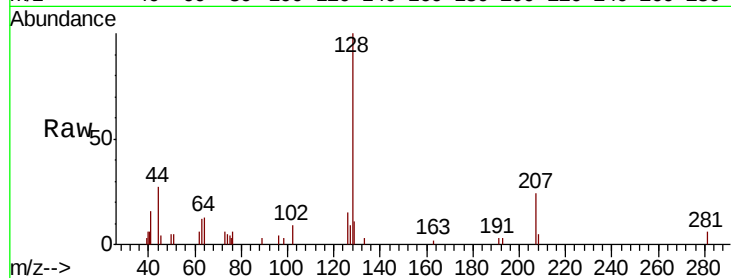




#95
Naphthalene
Concen: 1.204 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000467.D
Acq: 29 Oct 2019 12:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.1	9.6	14.4#
129	9.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

