

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000367.D
 Acq On : 22 Oct 2019 16:30
 Operator : SY/MD
 Sample : K5493-01
 Misc : 3.12G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLOAN-ROLL-OFF-COMP

Quant Time: Oct 23 08:03:31 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	244385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	412278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	344882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148204	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	128319	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.73	113	116385	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	10.19	98	471620	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.48	95	145766	40.11	ug/l	0.00
Spiked Amount			Recovery	=	80.22%	

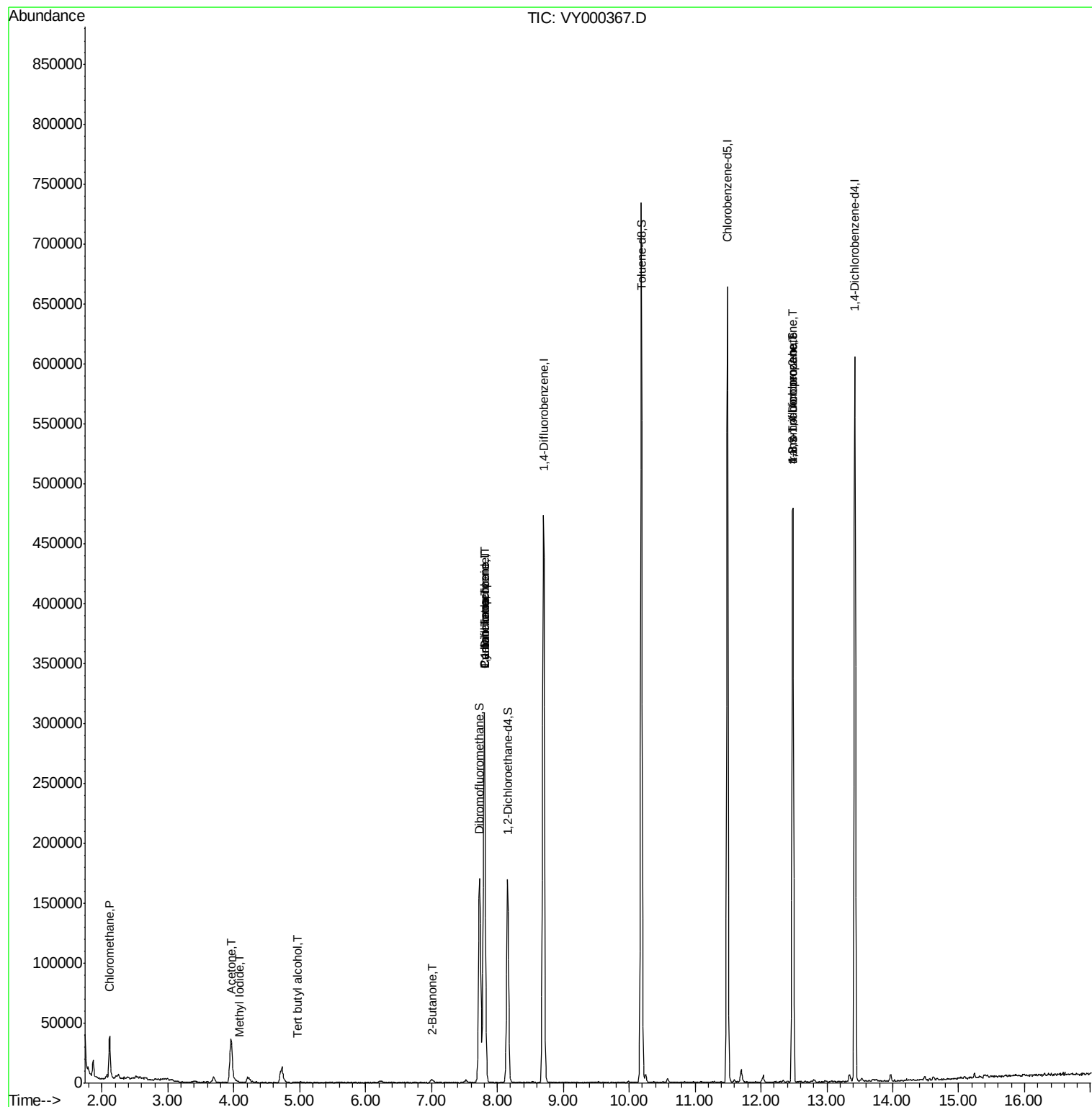
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	99	Below Cal	#	41
3) Chloromethane	2.12	50	33131	11.094	ug/l	92
10) Methyl Iodide	4.09	142	277	1.262	ug/l #	66
11) Tert butyl alcohol	4.97	59	275	1.019	ug/l	96
16) Acetone	3.96	43	61106	73.196	ug/l	93
20) Methylene Chloride	4.73	84	9424	Below Cal		89
25) 2-Butanone	7.02	43	1708	1.452	ug/l #	82
31) Cyclohexane	7.80	56	5158	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	18223	4.515	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23691	6.062	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	77853	42.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	77853	93.470	ug/l #	14

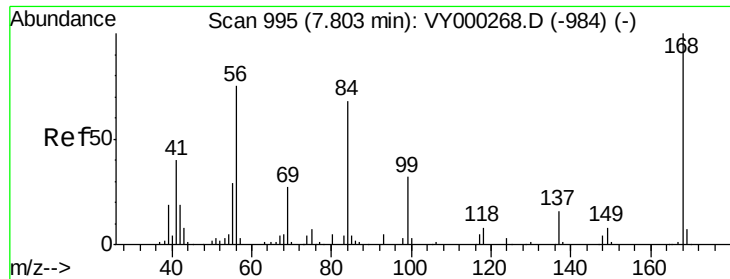
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000367.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_Y

ClientSampleId :

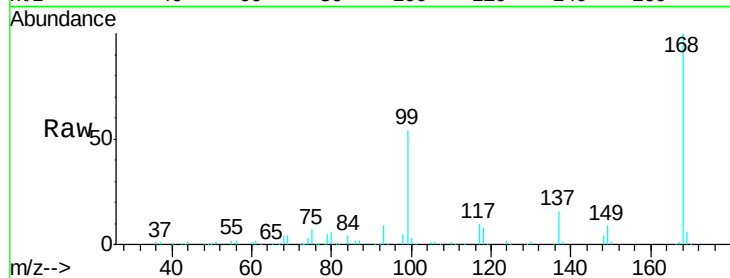
SLOAN-ROLL-OFF-COMP

Tgt Ion:168 Resp: 244385

Ion Ratio Lower Upper

168 100

99 53.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

120000

100000

80000

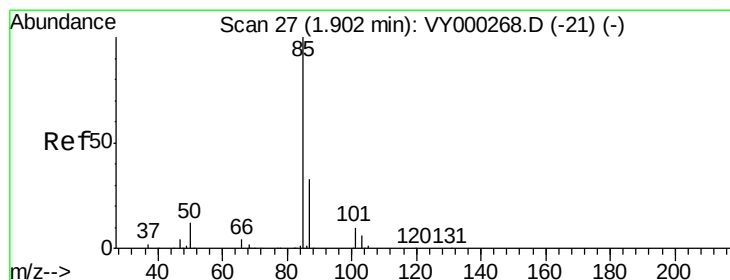
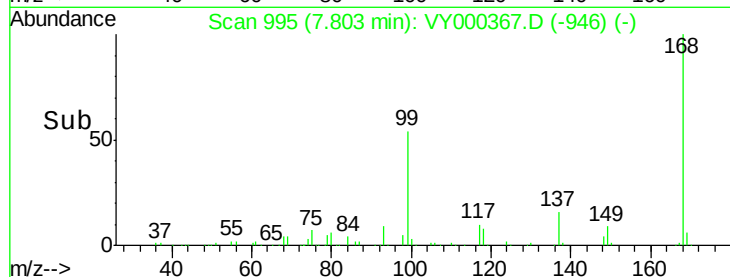
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000367.D

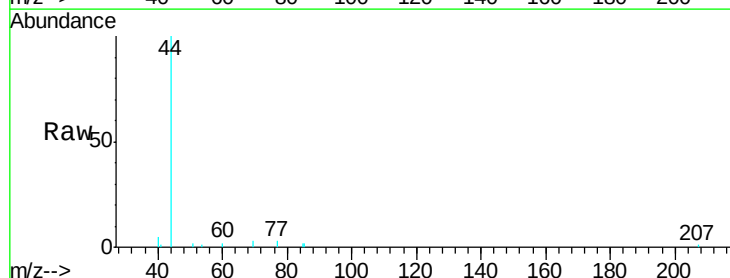
Acq: 22 Oct 2019 16:30

Tgt Ion: 85 Resp: 99

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.91

200

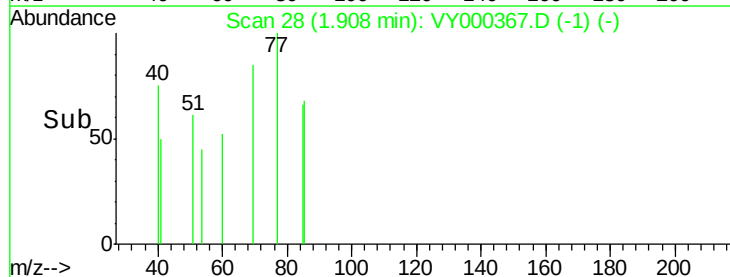
150

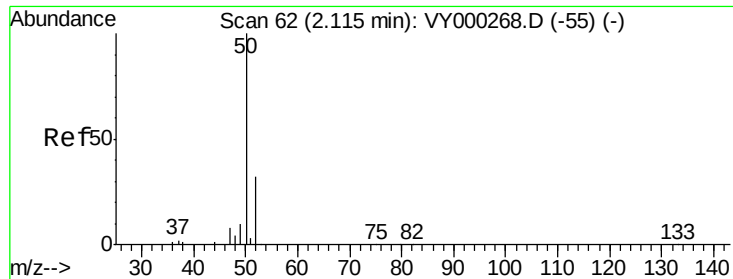
100

50

0

Time-->





#3

Chloromethane

Concen: 11.094 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_Y

ClientSampleId :

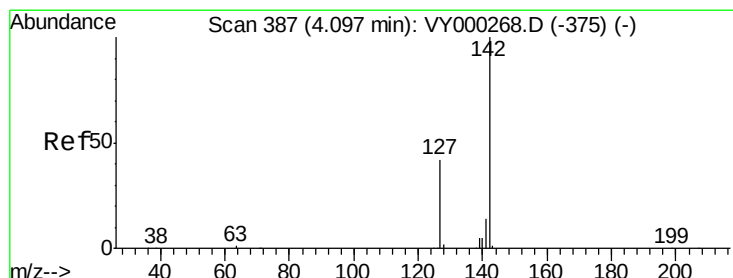
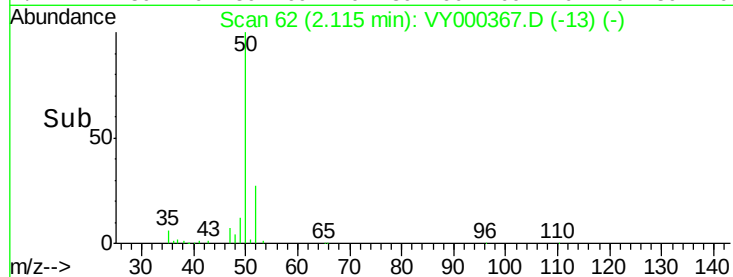
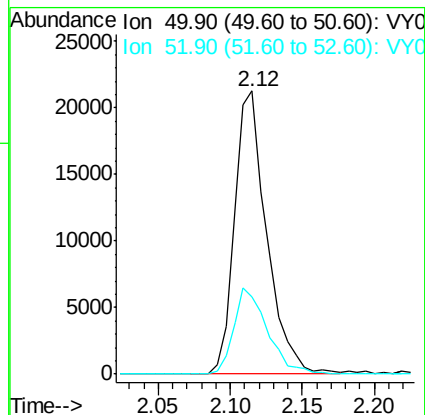
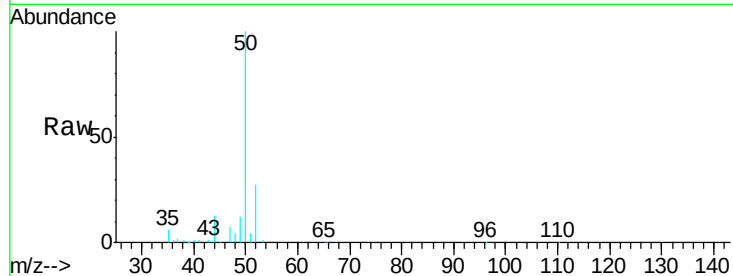
SLOAN-ROLL-OFF-COMP

Tgt Ion: 50 Resp: 33131

Ion Ratio Lower Upper

50 100

52 27.4 25.3 37.9



#10

Methyl Iodide

Concen: 1.262 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

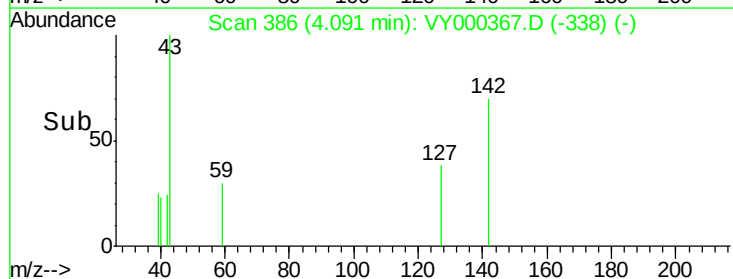
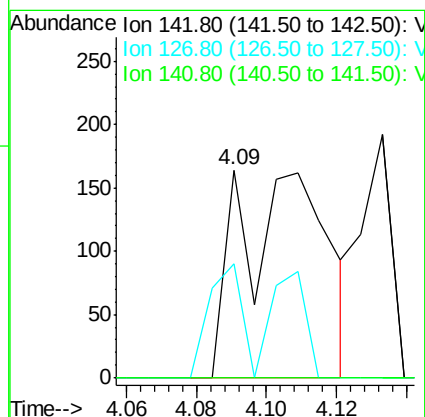
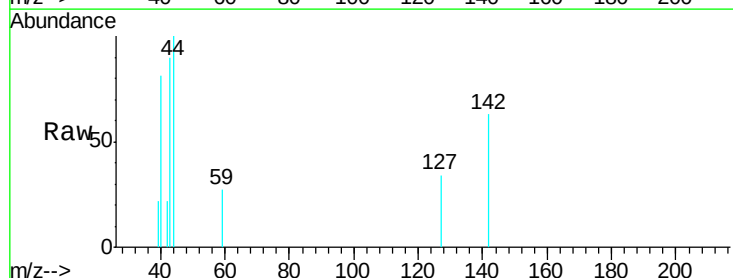
Tgt Ion: 142 Resp: 277

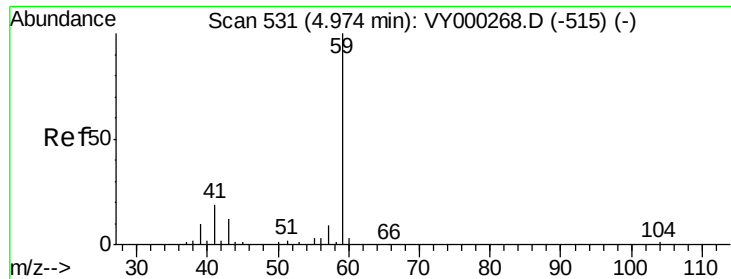
Ion Ratio Lower Upper

142 100

127 21.3 33.9 50.9#

141 0.0 11.2 16.8#

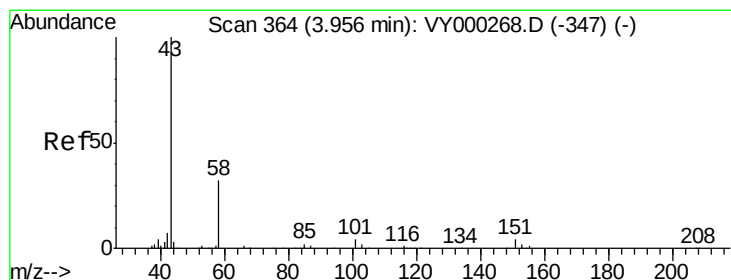
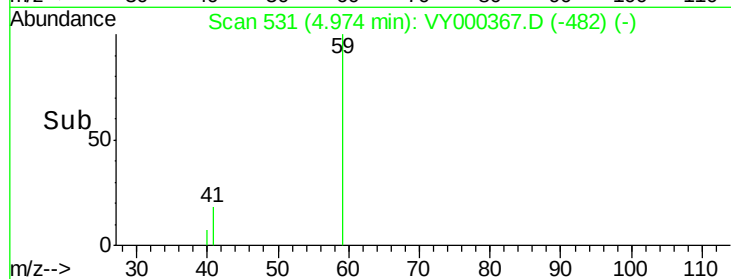
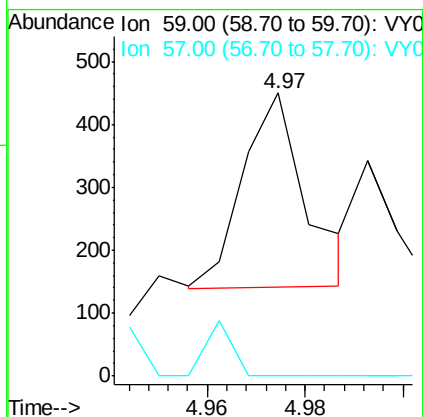
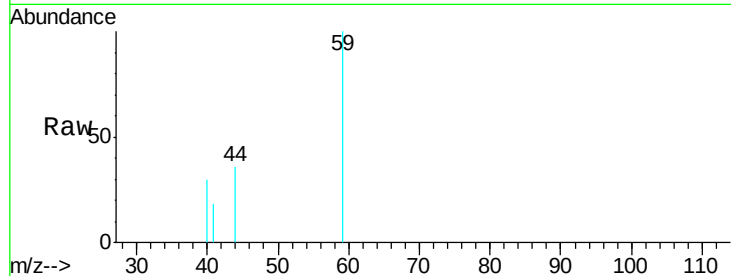




#11
Tert butyl alcohol
Concen: 1.019 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.00 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

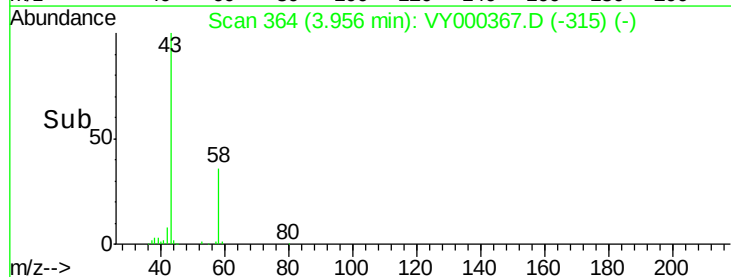
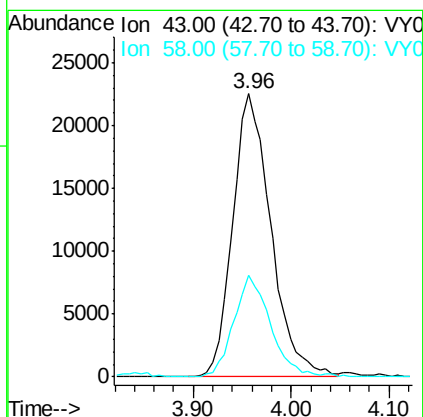
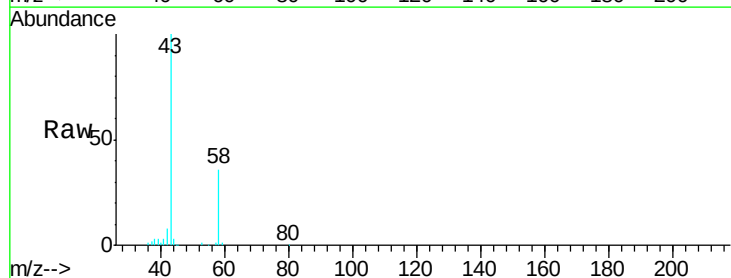
Instrument :
MSVOA_Y
ClientSampleId :
SLOAN-ROLL-OFF-COMP

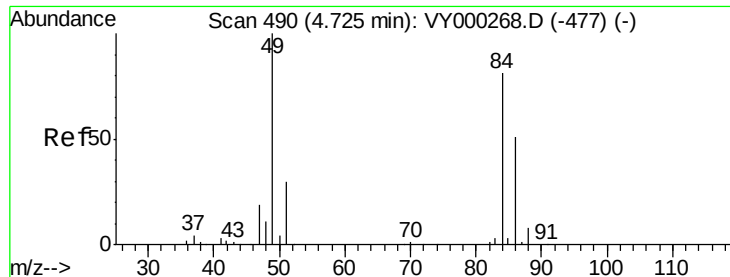
Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 11.6 8.2 12.2



#16
Acetone
Concen: 73.196 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Tgt Ion: 43 Resp: 61106
Ion Ratio Lower Upper
43 100
58 35.9 25.8 38.6

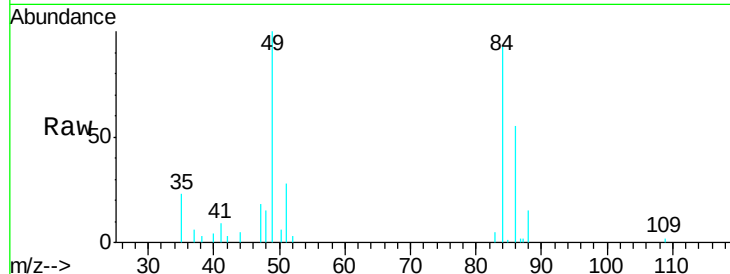




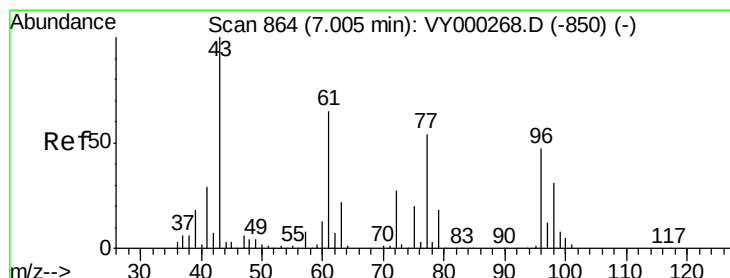
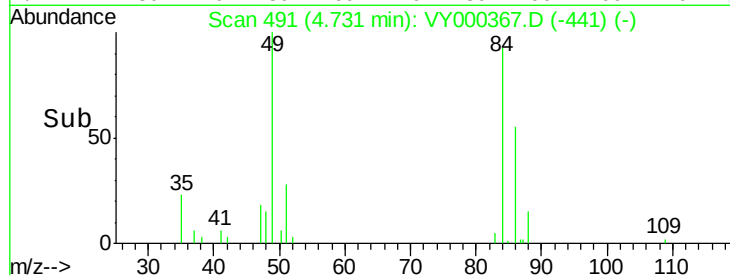
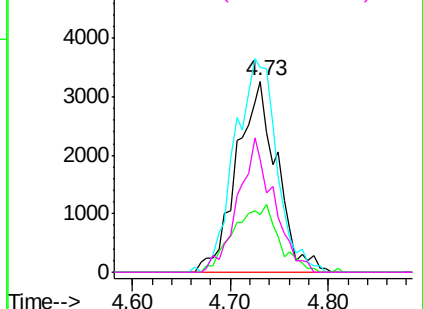
#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_Y
ClientSampleId :
SLOAN-ROLL-OFF-COMP

Tgt Ion: 84 Resp: 9424
Ion Ratio Lower Upper
84 100
49 107.3 99.0 148.4
51 30.4 29.3 43.9
86 58.7 50.2 75.4

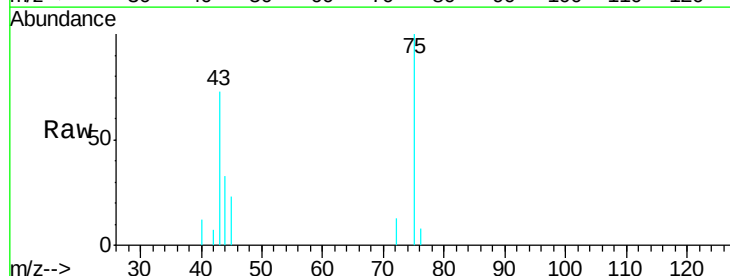


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

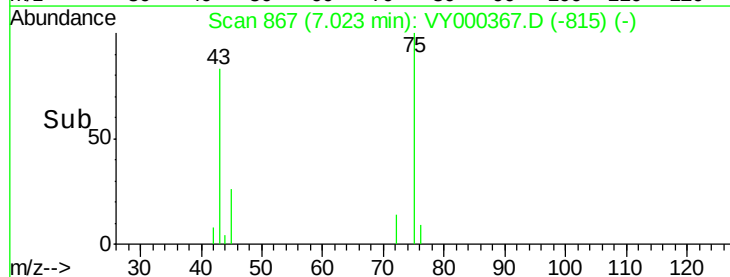
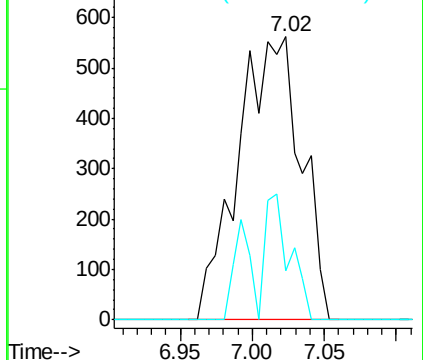


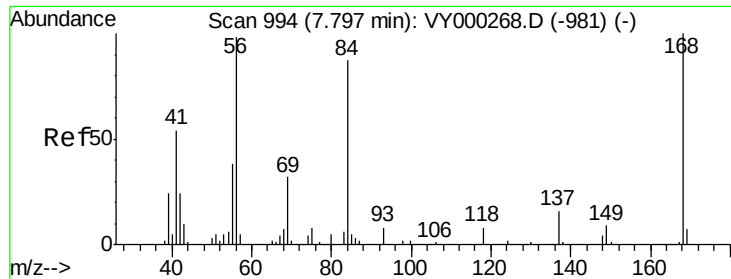
#25
2-Butanone
Concen: 1.452 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.02 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
72 17.3 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

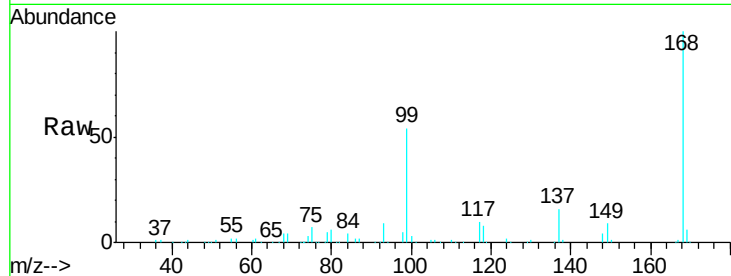




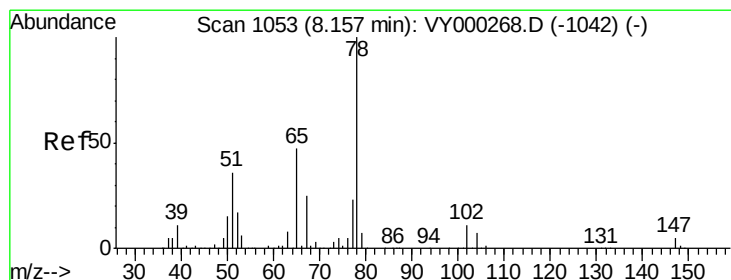
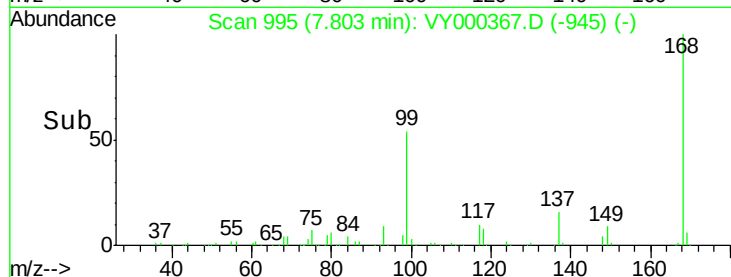
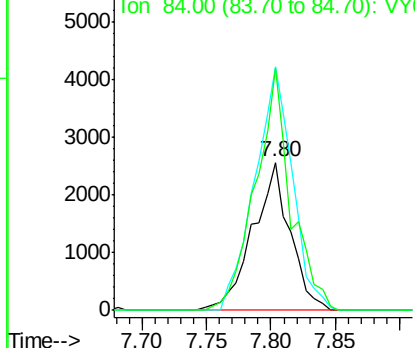
#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_Y
ClientSampleId :
SLOAN-ROLL-OFF-COMP

Tgt Ion: 56 Resp: 5158
Ion Ratio Lower Upper
56 100
69 164.6 26.3 39.5#
84 164.2 70.8 106.2#

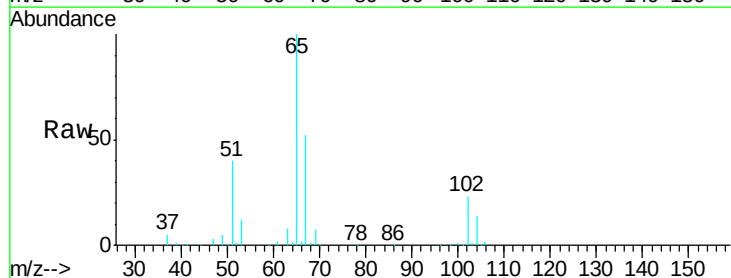


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

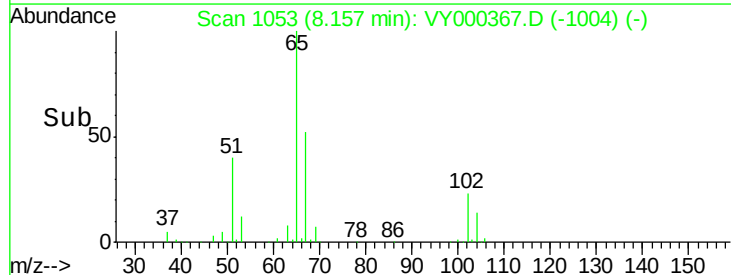
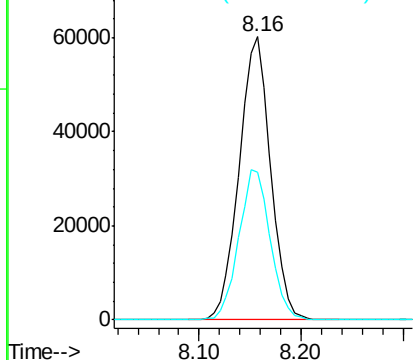


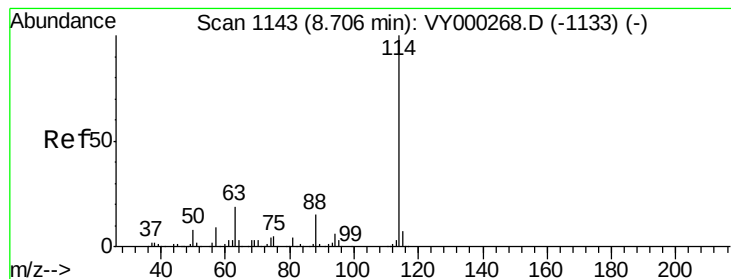
#33
1,2-Dichloroethane-d4
Concen: 49.777 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Tgt Ion: 65 Resp: 128319
Ion Ratio Lower Upper
65 100
67 53.0 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: VY000367.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_Y

ClientSampleId :

SLOAN-ROLL-OFF-COMP

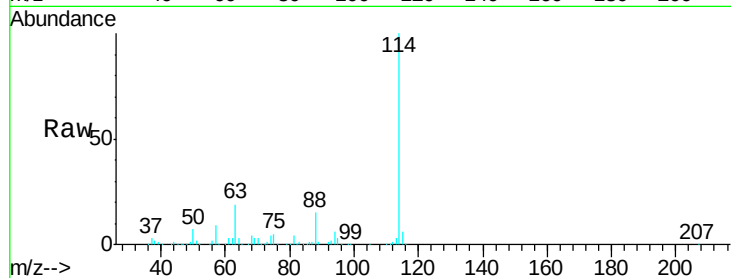
Tgt Ion:114 Resp: 412278

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

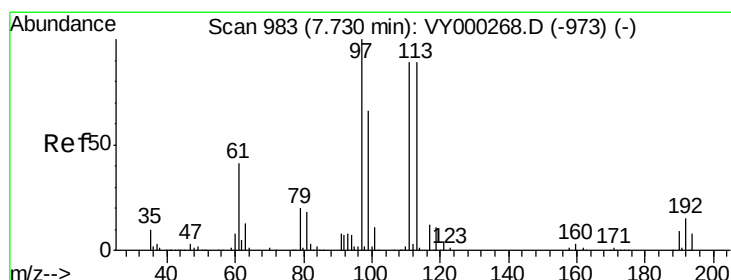
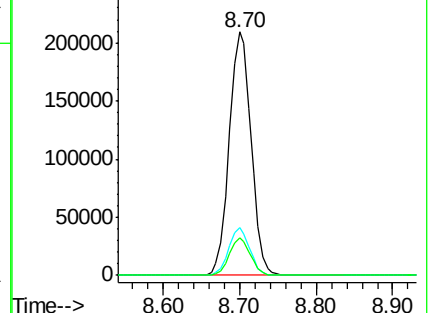
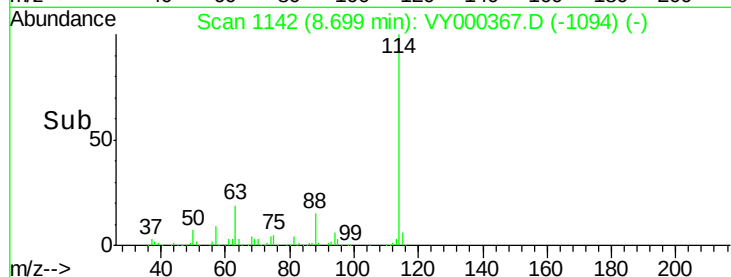
88 15.4 0.0 30.2



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: 46.799 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

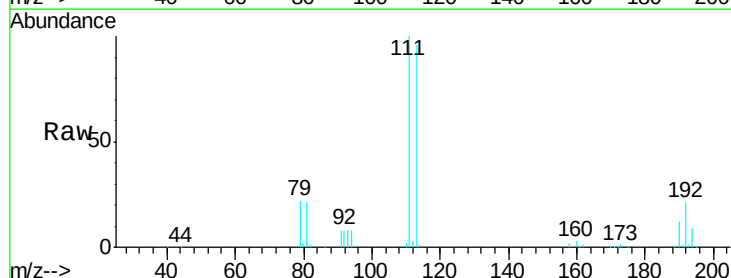
Tgt Ion:113 Resp: 116385

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

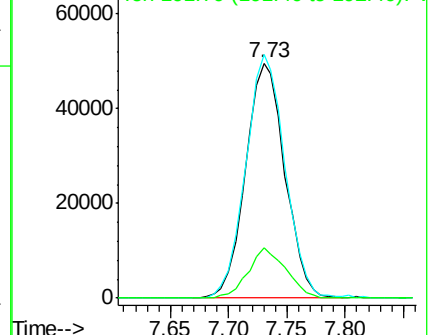
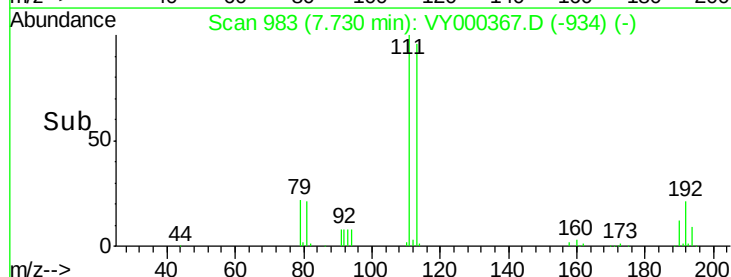
192 20.7 15.3 22.9

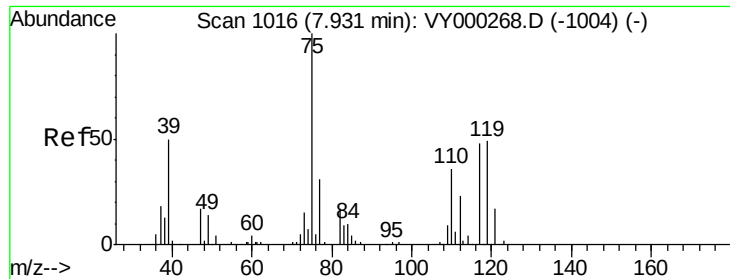


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

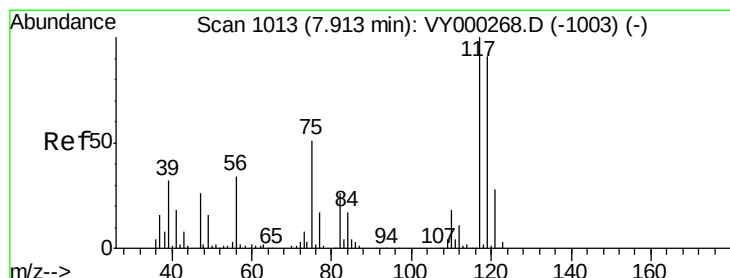
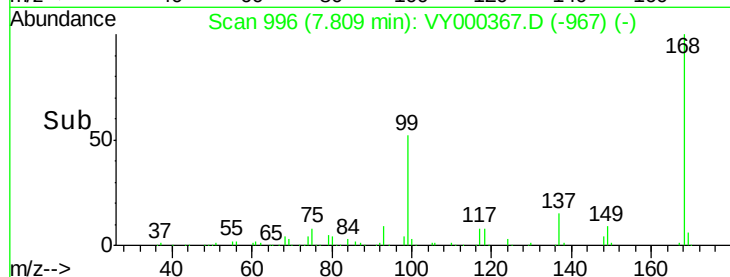
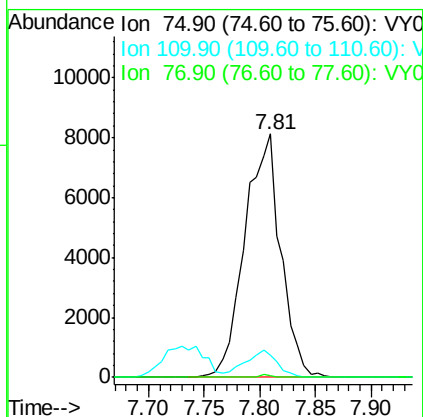
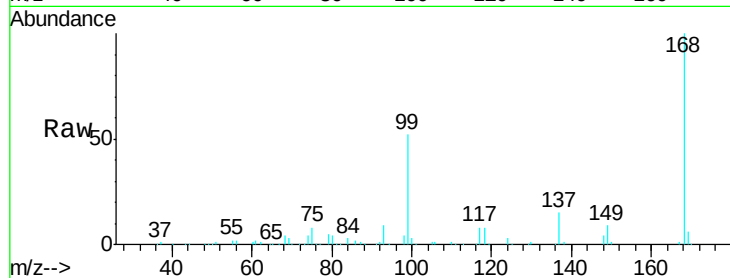




#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY000367.D
 Acq: 22 Oct 2019 16:30

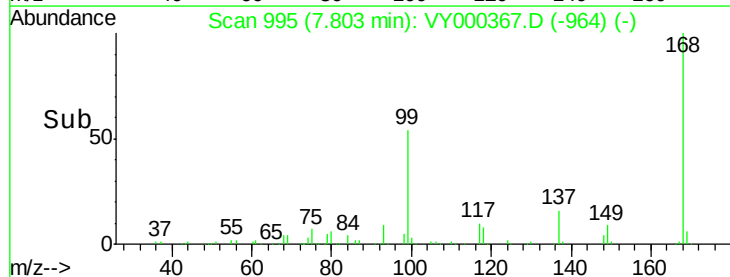
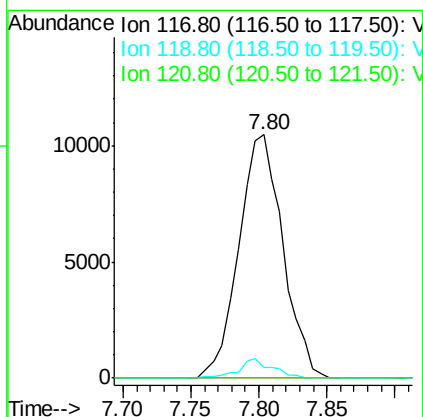
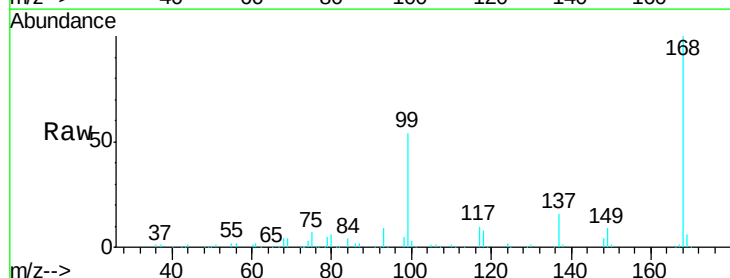
Instrument :
 MSVOA_Y
 ClientSampleId :
 SLOAN-ROLL-OFF-COMP

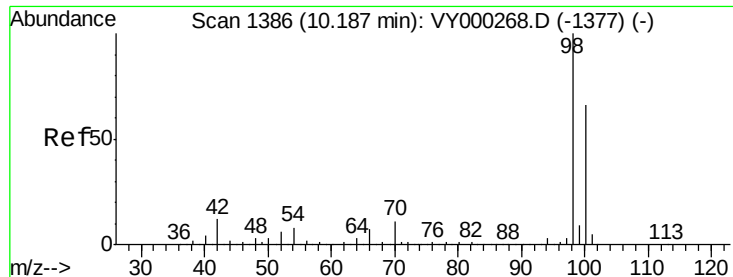
Tgt Ion: 75 Resp: 18223
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.4#
 77 0.3 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000367.D
 Acq: 22 Oct 2019 16:30

Tgt Ion: 117 Resp: 23691
 Ion Ratio Lower Upper
 117 100
 119 4.1 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 49.299 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_Y

ClientSampleId :

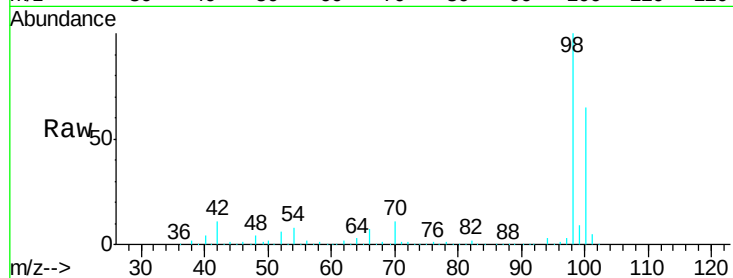
SLOAN-ROLL-OFF-COMP

Tgt Ion: 98 Resp: 471620

Ion Ratio Lower Upper

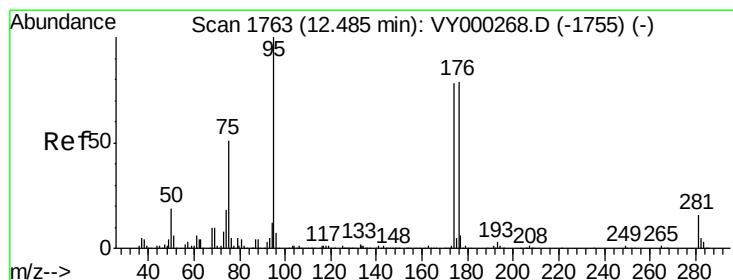
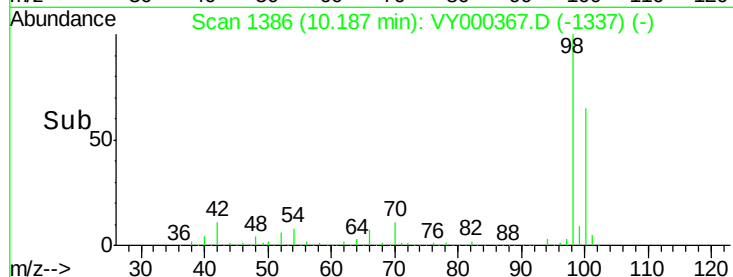
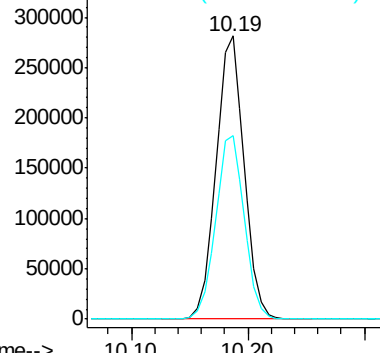
98 100

100 66.0 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: 40.107 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

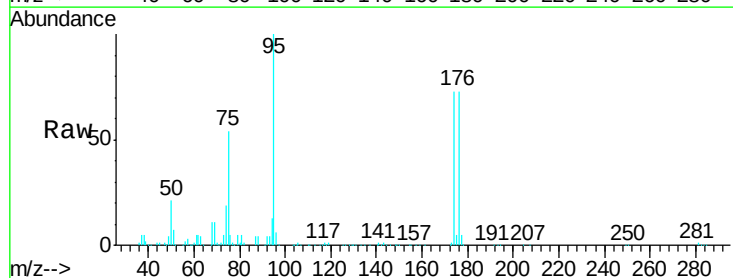
Tgt Ion: 95 Resp: 145766

Ion Ratio Lower Upper

95 100

174 83.7 0.0 159.6

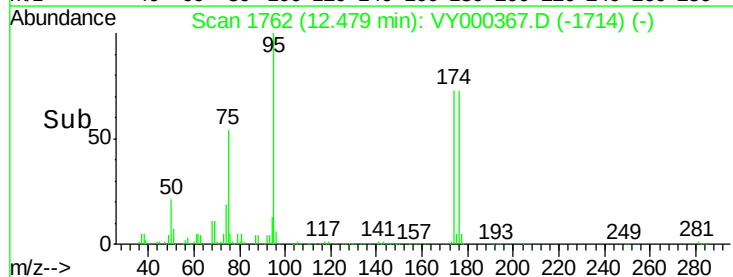
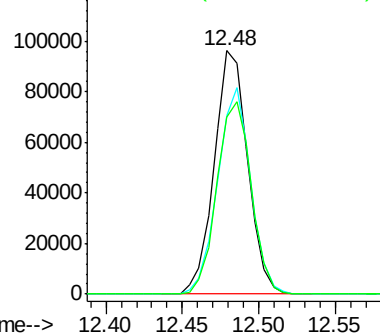
176 81.5 0.0 153.8

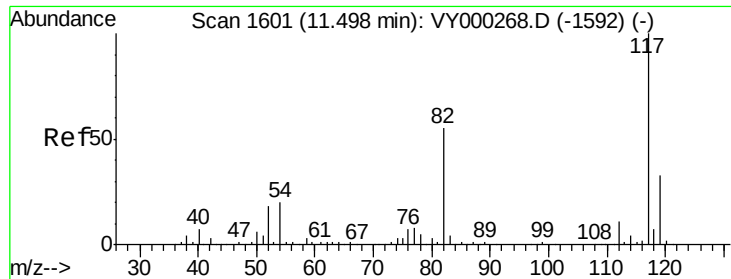


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

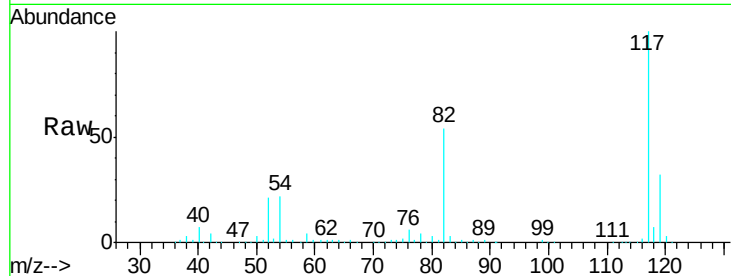




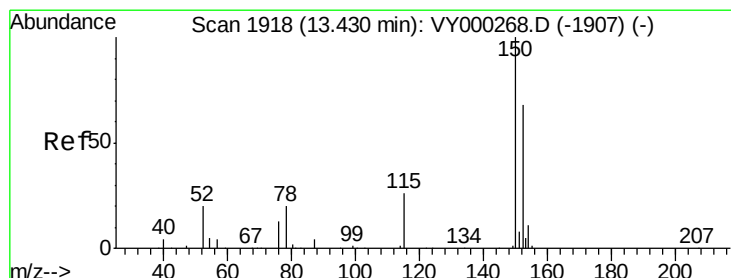
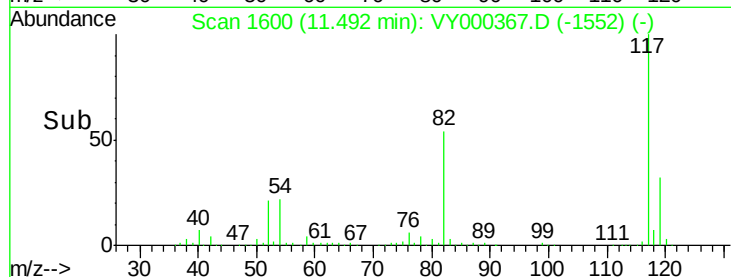
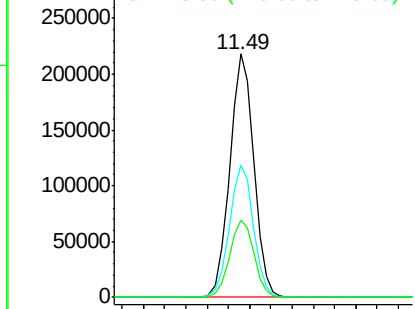
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_Y
ClientSampleId :
SLOAN-ROLL-OFF-COMP

Tgt Ion:117 Resp: 344882
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 31.7 26.6 39.8

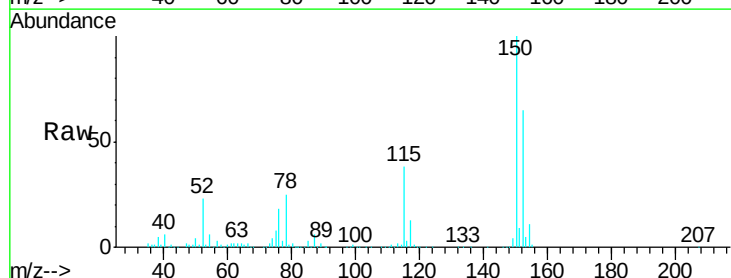


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

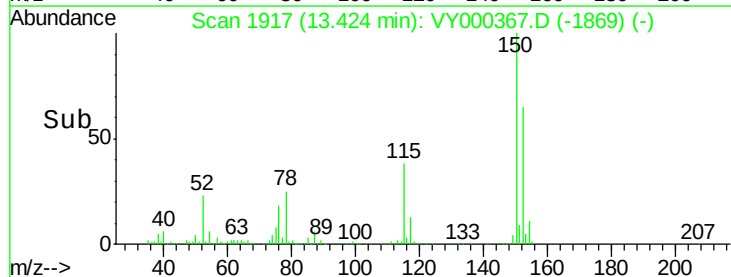
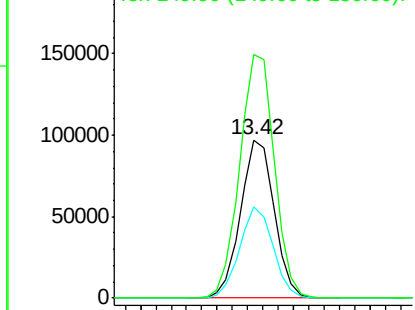


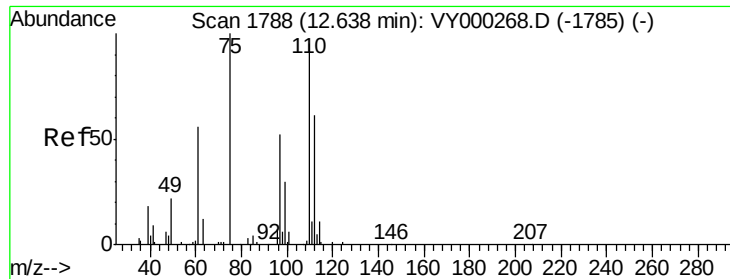
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000367.D
Acq: 22 Oct 2019 16:30

Tgt Ion:152 Resp: 148204
Ion Ratio Lower Upper
152 100
115 57.3 29.3 88.0
150 158.6 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: 42.720 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_Y

ClientSampleId :

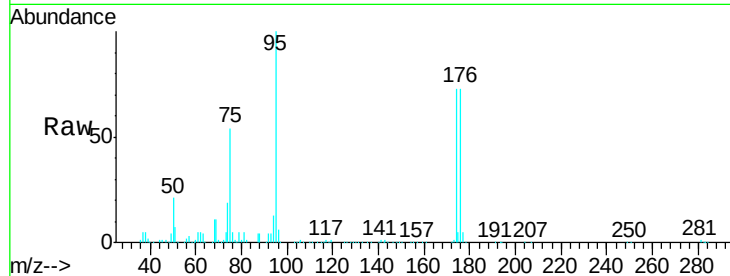
SLOAN-ROLL-OFF-COMP

Tgt Ion: 75 Resp: 77853

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

60000

50000

40000

30000

20000

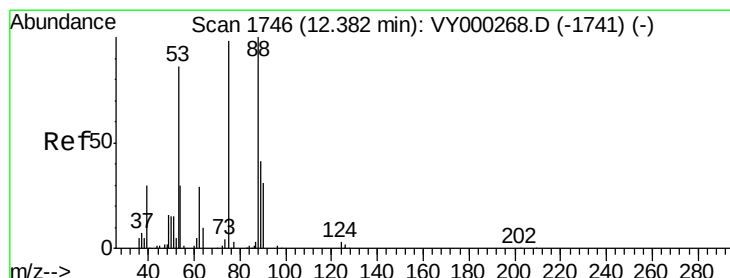
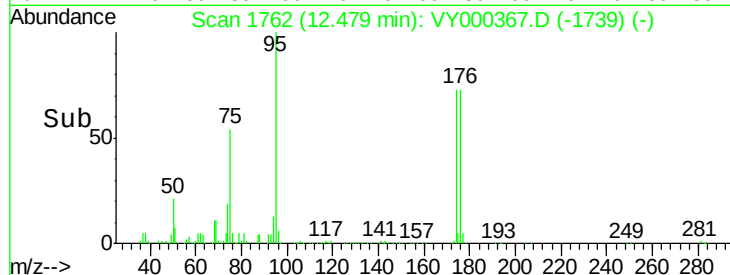
10000

0

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 93.470 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000367.D

Acq: 22 Oct 2019 16:30

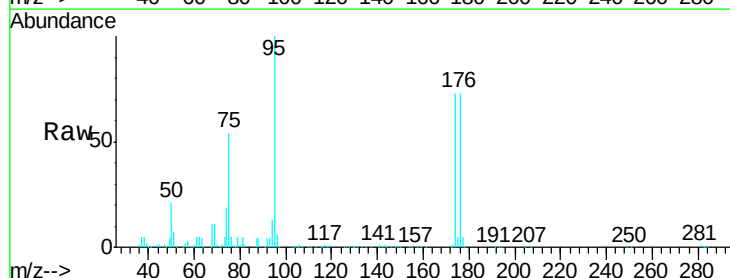
Tgt Ion: 75 Resp: 77853

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 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

60000

40000

20000

0

12.40

12.50

Time-->

