

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000327.D
 Acq On : 16 Oct 2019 14:12
 Operator : SY/MD
 Sample : K5393-21
 Misc : 8.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 01:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	464086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	394382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161953	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	156235	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	7.74	113	134180	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.19	98	536562	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.48	95	168902	41.29	ug/l	0.00
Spiked Amount			Recovery	=	82.58%	

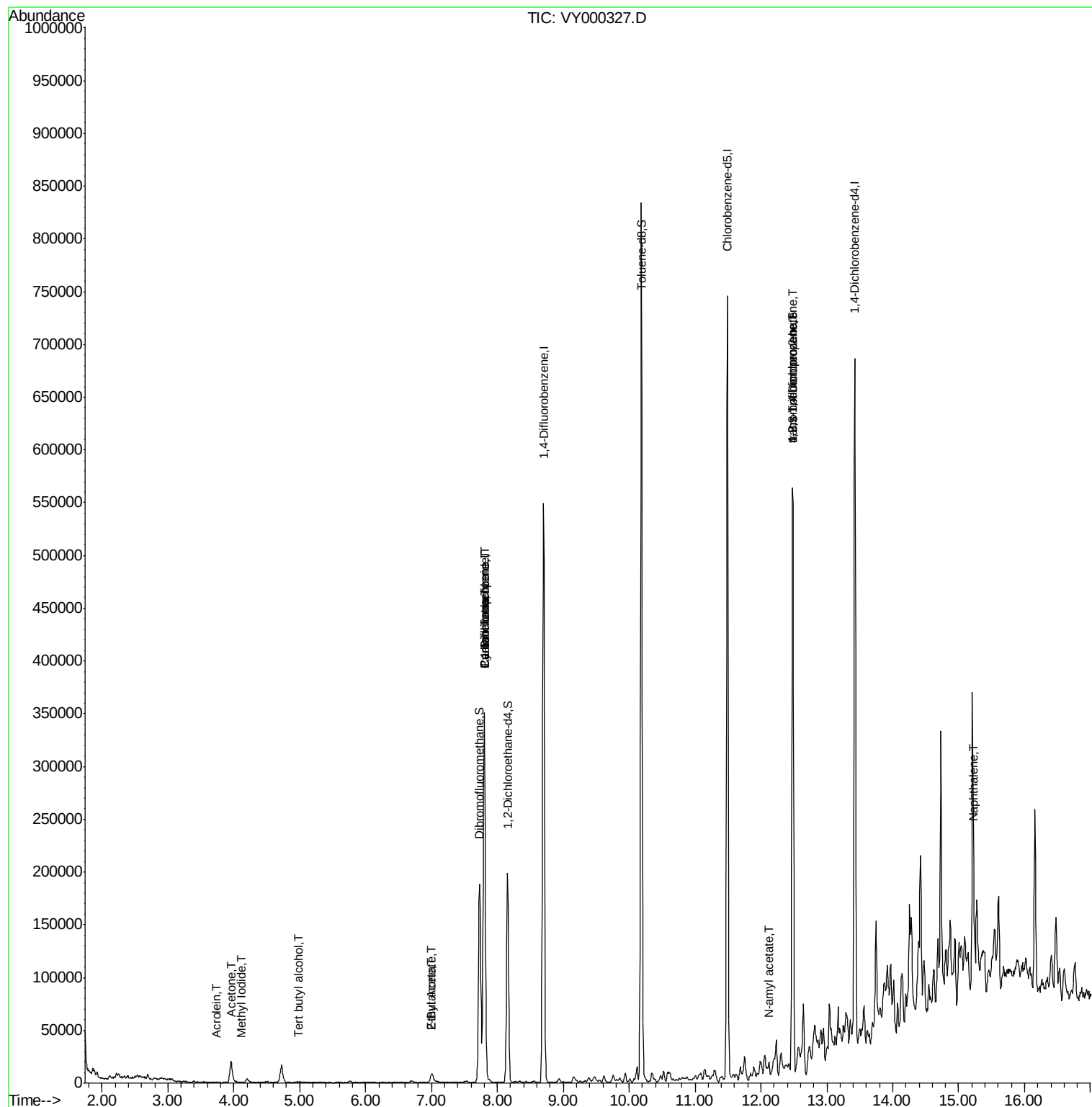
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	24	1.192	ug/l #	1
11) Tert butyl alcohol	4.98	59	899	2.962	ug/l #	73
13) Acrolein	3.73	56	396	1.113	ug/l #	51
16) Acetone	3.96	43	32539	34.641	ug/l #	88
20) Methylene Chloride	4.72	84	10763	Below Cal		96
25) 2-Butanone	7.00	43	9284	7.016	ug/l	98
31) Cyclohexane	7.80	56	6130	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21035	4.629	ug/l #	49
37) Ethyl Acetate	7.00	43	9284	3.451	ug/l #	70
38) Carbon Tetrachloride	7.80	117	26978	6.132	ug/l #	18
74) N-amyl acetate	12.12	43	3818	1.232	ug/l #	44
76) 1,2,3-Trichloropropane	12.48	75	86902	43.637	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86902	95.476	ug/l #	15
95) Naphthalene	15.23	128	18350	2.357	ug/l #	68

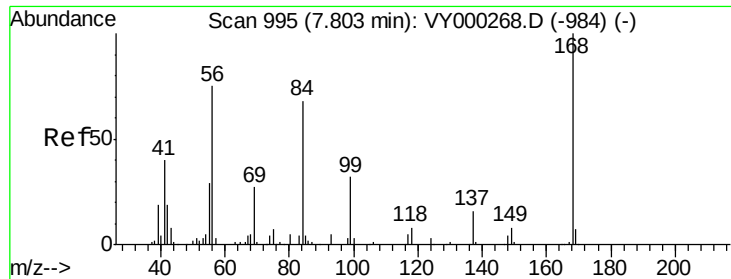
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000327.D

Acq: 16 Oct 2019 14:12

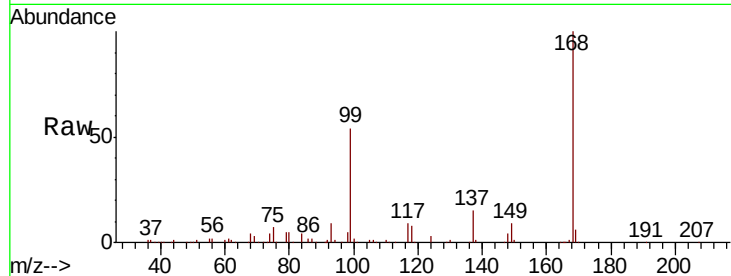
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 274978

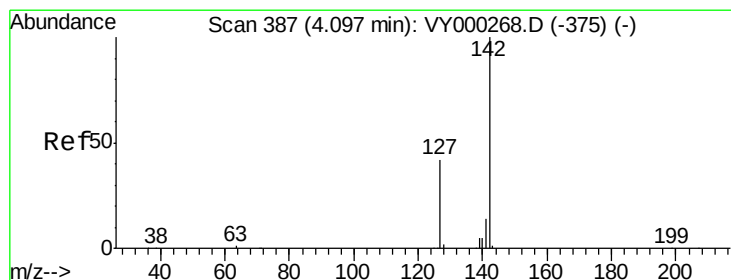
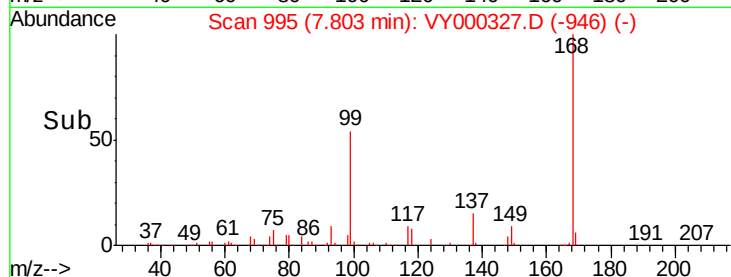
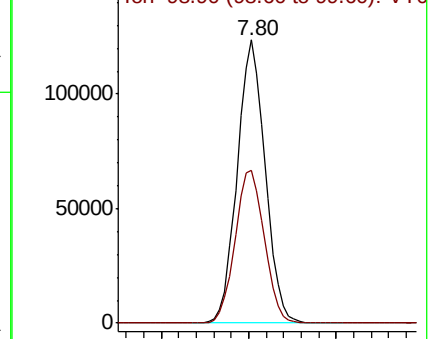
Ion Ratio Lower Upper

168 100

99 53.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 1.192 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

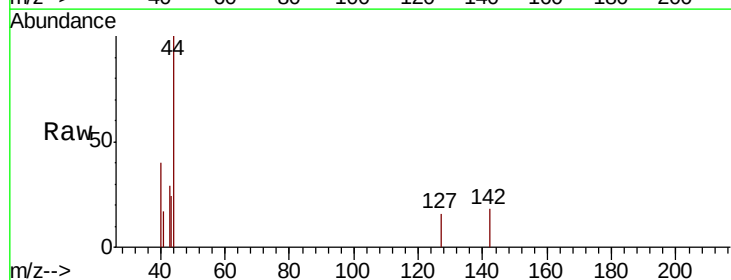
Tgt Ion:142 Resp: 24

Ion Ratio Lower Upper

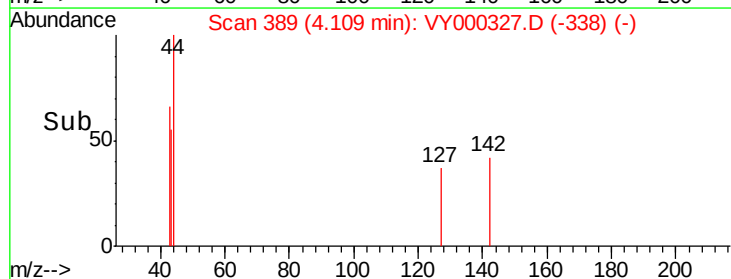
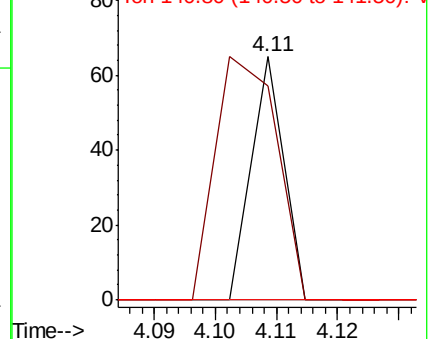
142 100

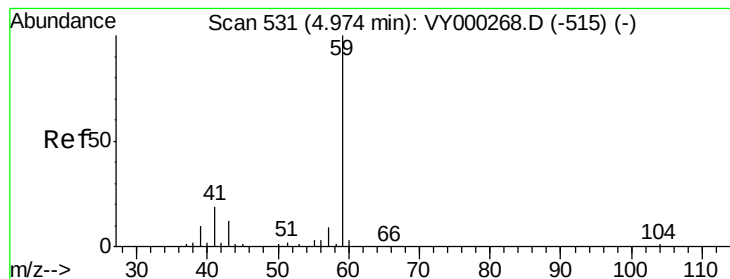
127 187.5 33.9 50.9#

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



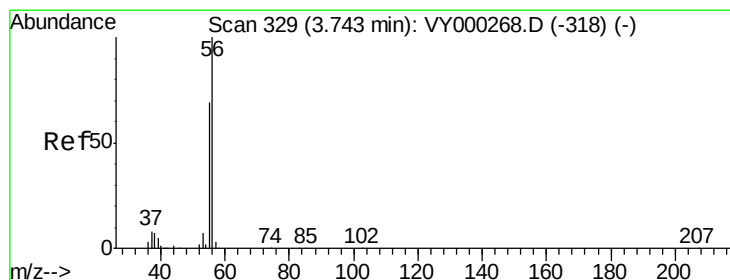
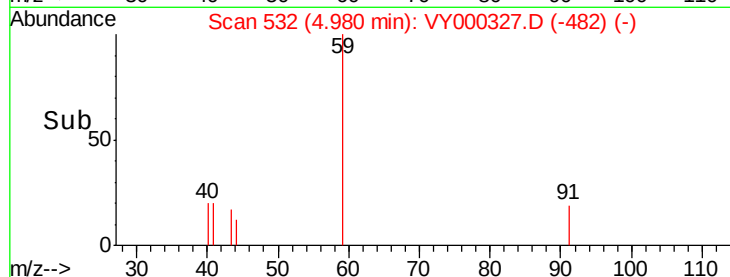
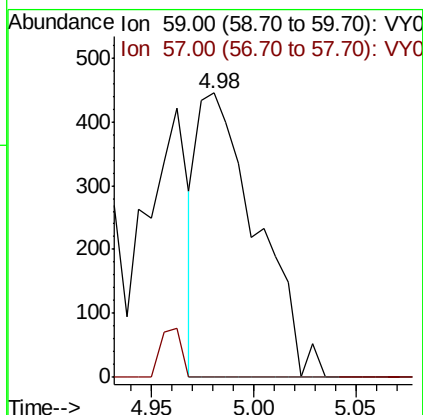
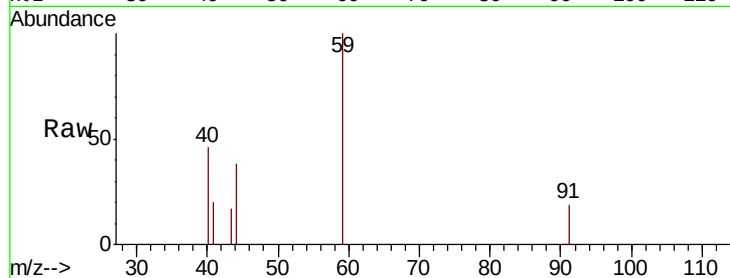


#11

Tert butyl alcohol
 Concen: 2.962 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :

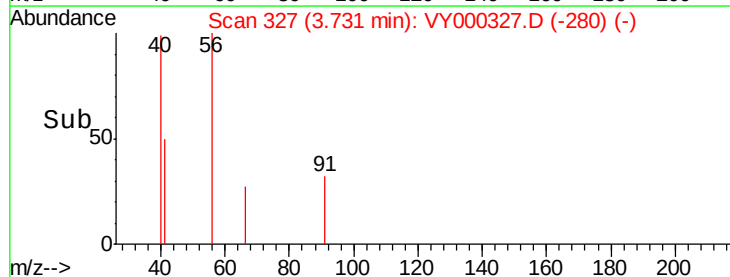
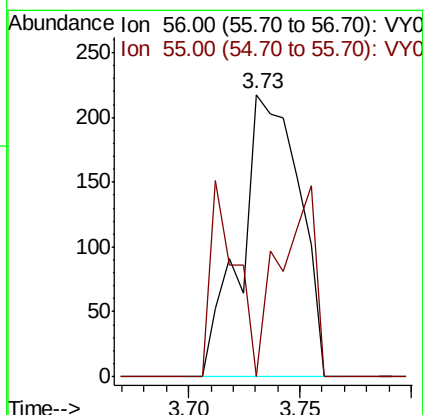
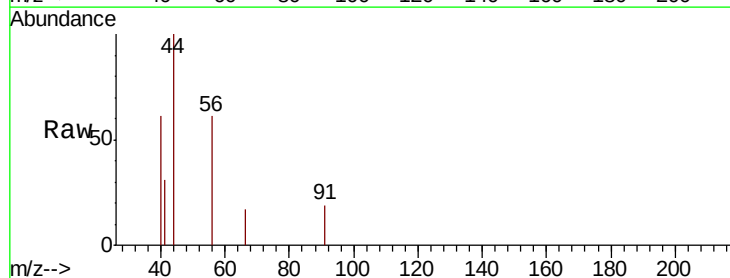
Tot Ion: 59 Resp: 899
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

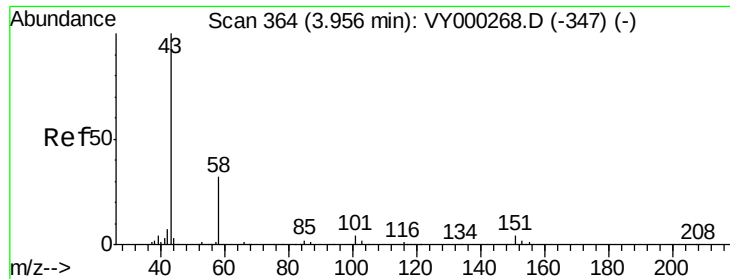


#13

Acrolein
 Concen: 1.113 ug/l
 RT: 3.73 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

Tgt Ion: 56 Resp: 396
 Ion Ratio Lower Upper
 56 100
 55 29.8 55.7 83.5#





#16

Acetone

Concen: 34.641 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

Instrument :

MSVOA_Y

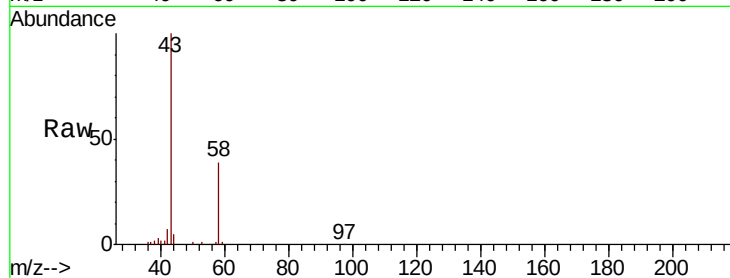
ClientSampled :

Tot Ion: 43 Resp: 32539

Ion Ratio Lower Upper

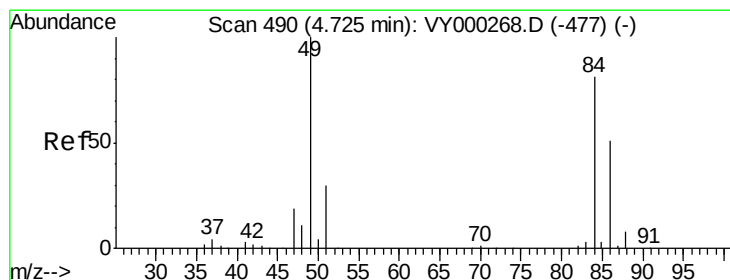
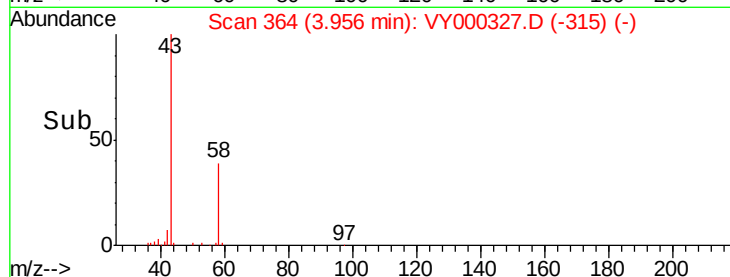
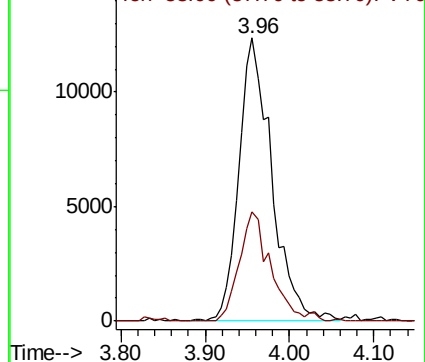
43 100

58 38.7 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: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

Tgt Ion: 84 Resp: 10763

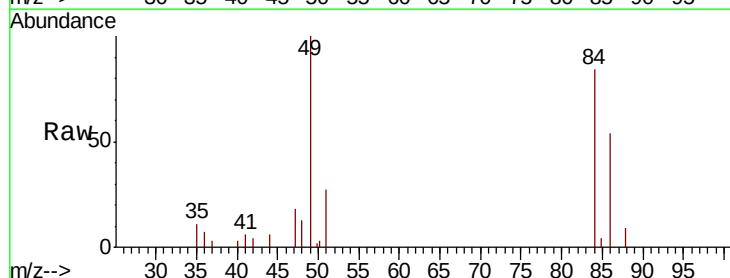
Ion Ratio Lower Upper

84 100

49 119.0 99.0 148.4

51 32.2 29.3 43.9

86 64.5 50.2 75.4

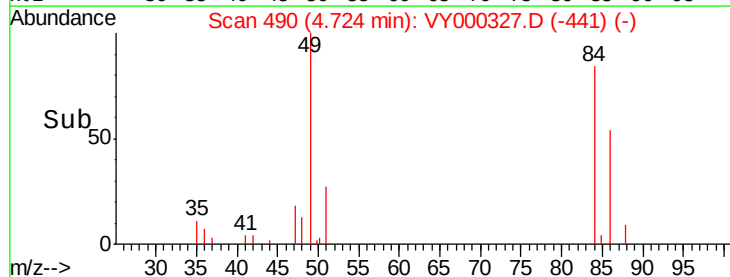
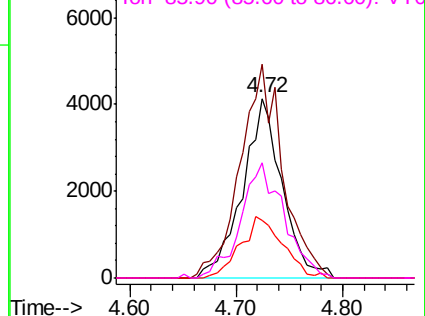


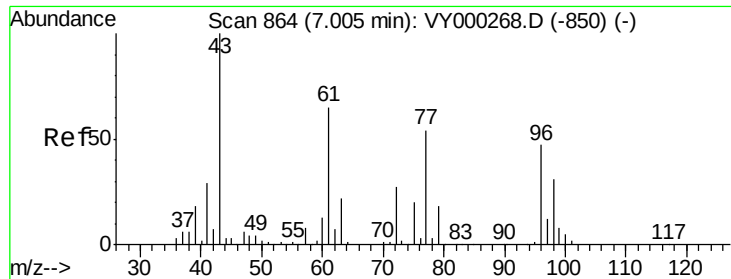
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 7.016 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

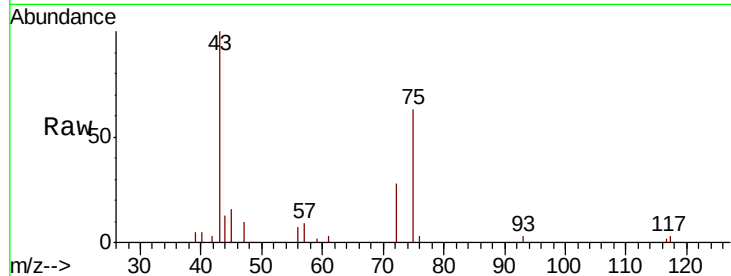
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 9284

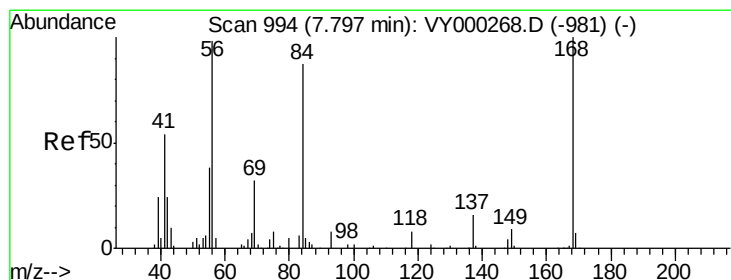
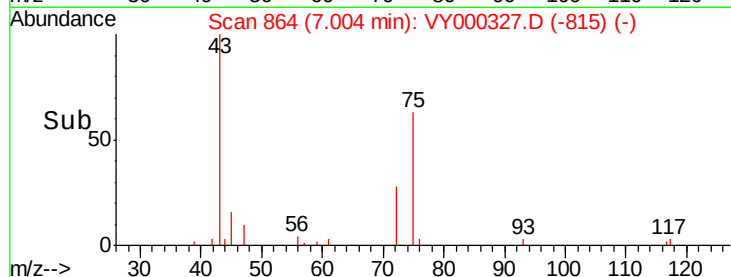
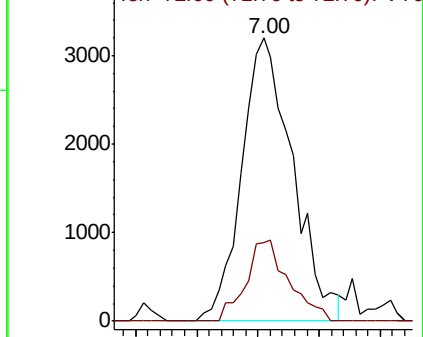
Ion Ratio Lower Upper

43 100

72 27.7 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: 1.105 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

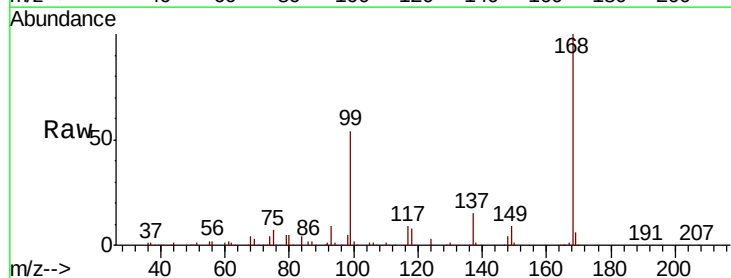
Tgt Ion: 56 Resp: 6130

Ion Ratio Lower Upper

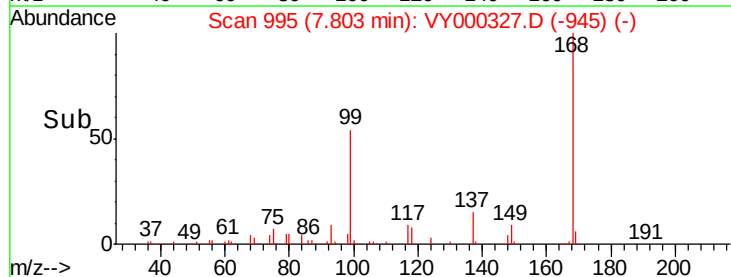
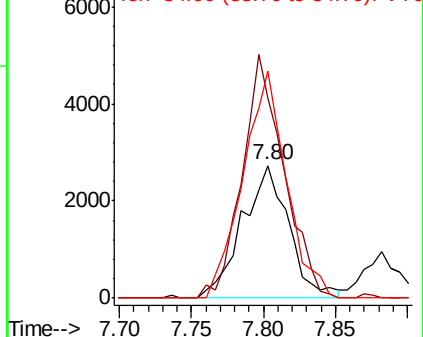
56 100

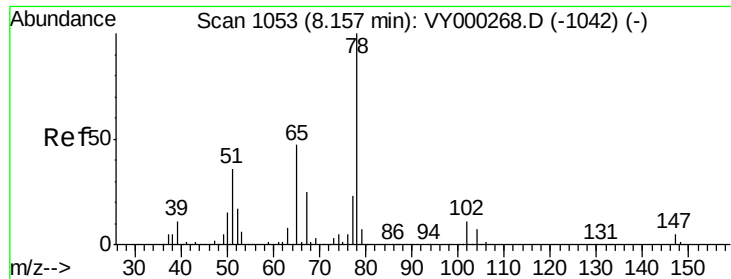
69 151.2 26.3 39.5#

84 171.7 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

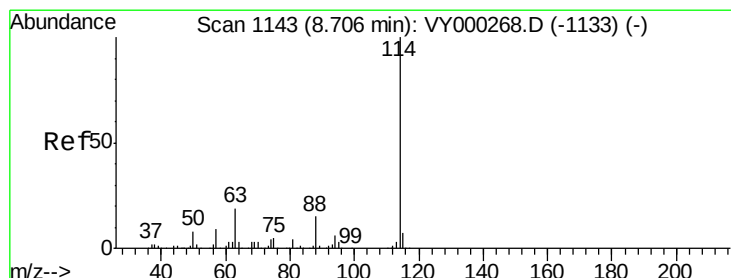
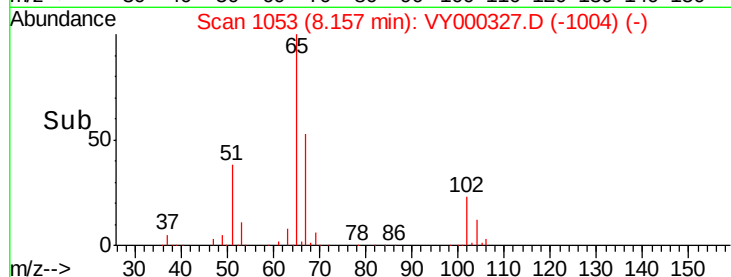
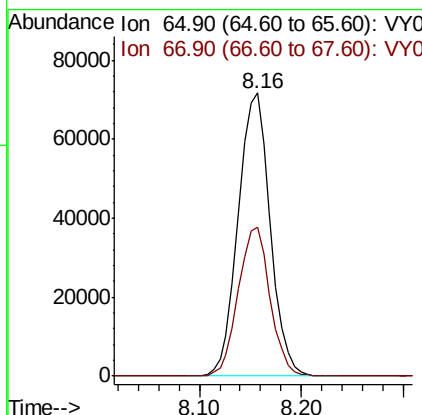
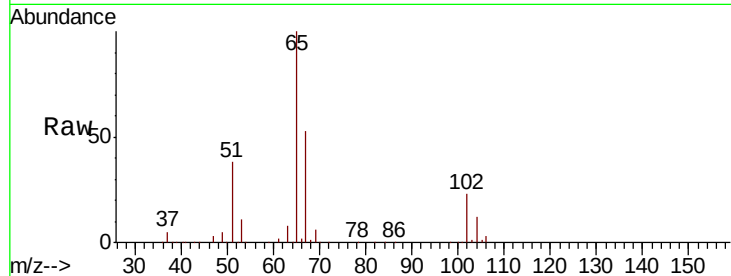




#33
 1,2-Dichloroethane-d4
 Concen: 53.863 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

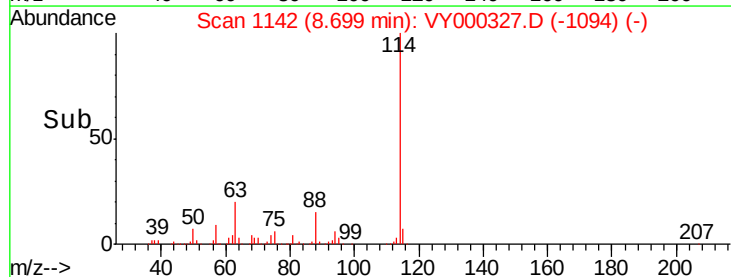
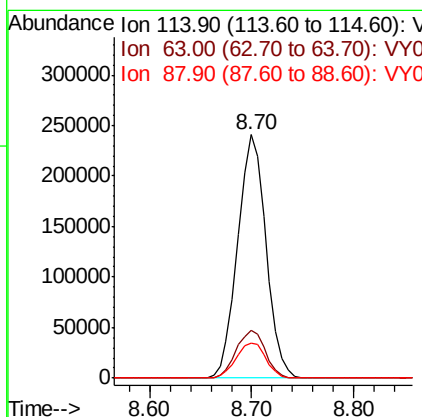
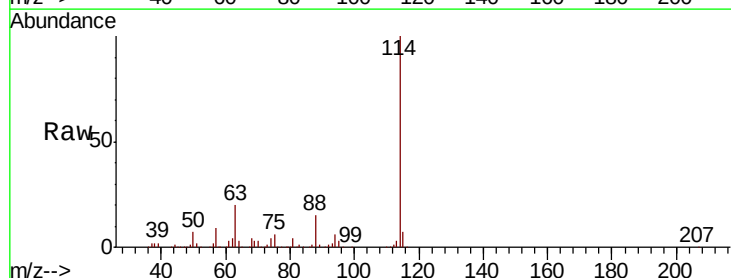
Instrument :
 MSVOA_Y
 ClientSampleId :

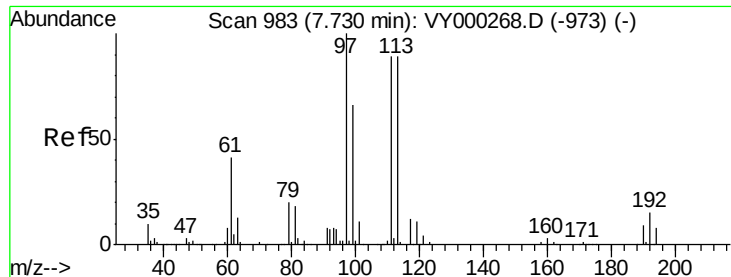
Tot Ion: 65 Resp: 156235
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

Tgt Ion: 114 Resp: 464086
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.2
 88 14.6 0.0 30.2

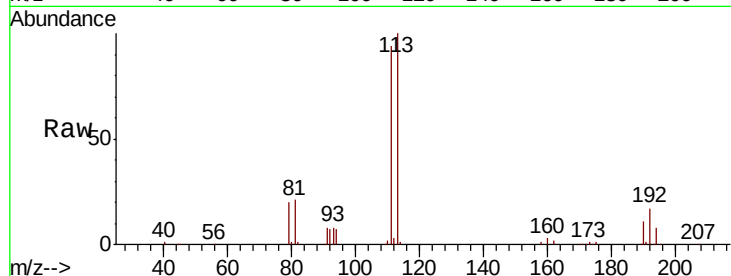




#35
 Dibromofluoromethane
 Concen: 47.932 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.6	122.4
192	18.9	15.3	22.9

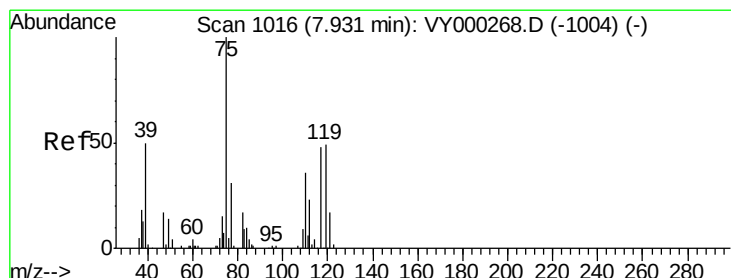
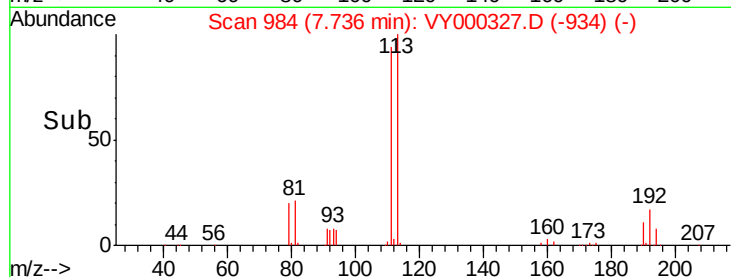
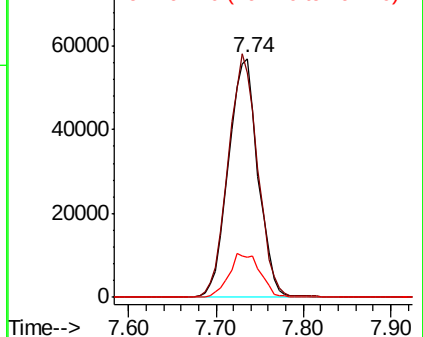


Abundance

Ion 112.80 (112.50 to 113.50): V

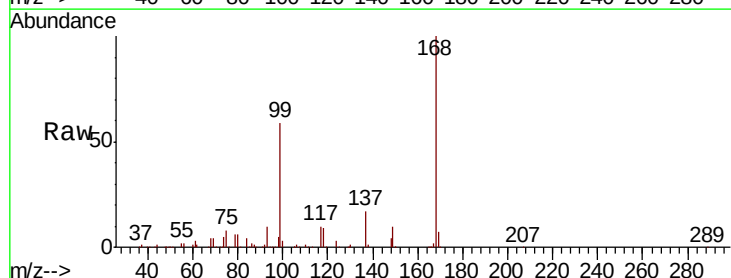
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000327.D
 Acq: 16 Oct 2019 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.4#
77	0.0	25.0	37.6#

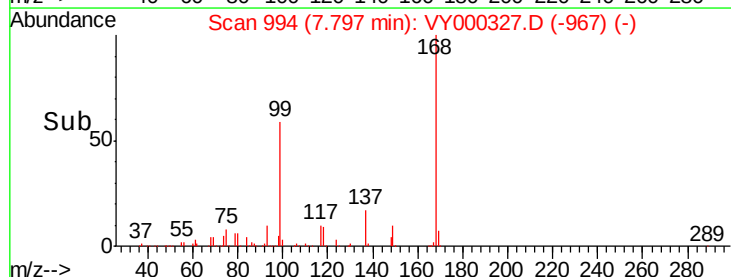
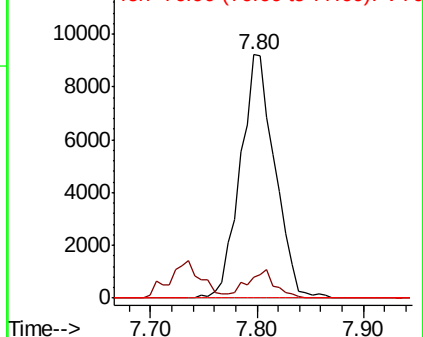


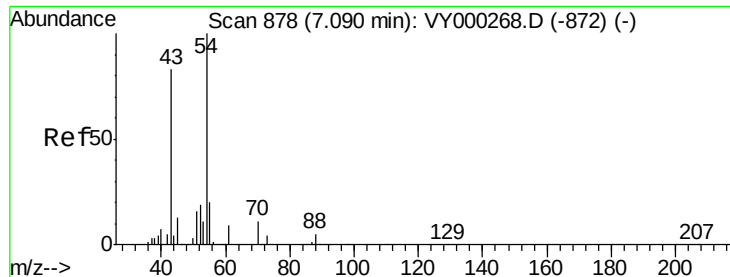
Abundance

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

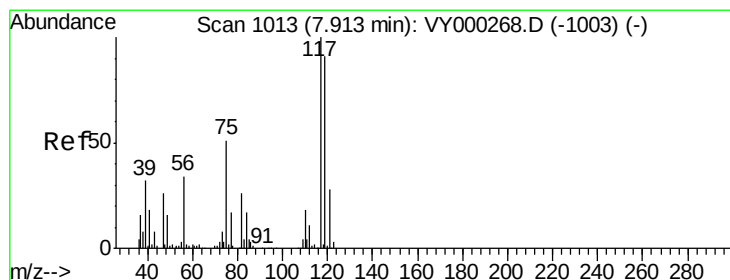
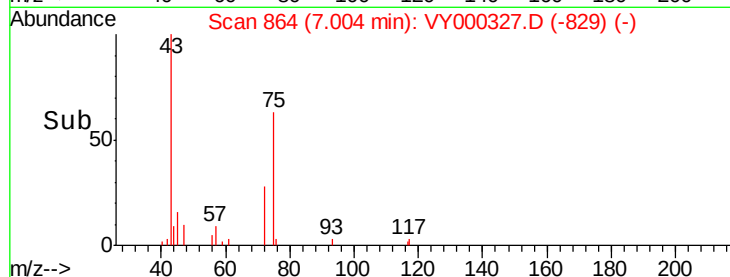
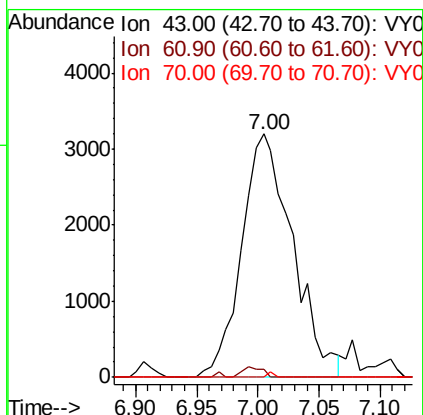
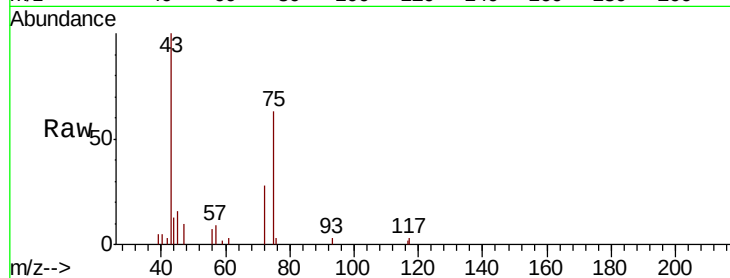




#37
Ethyl Acetate
Concen: 3.451 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

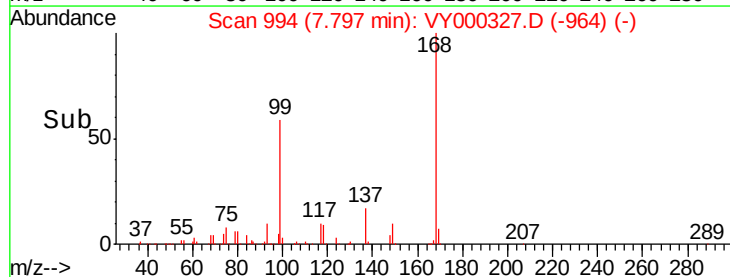
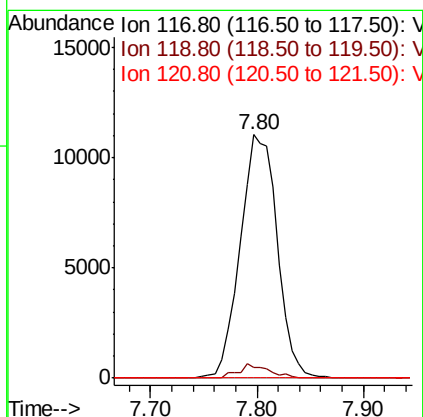
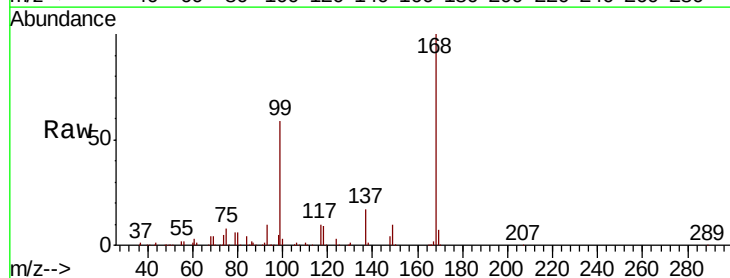
Instrument :
MSVOA_Y
ClientSampleId :

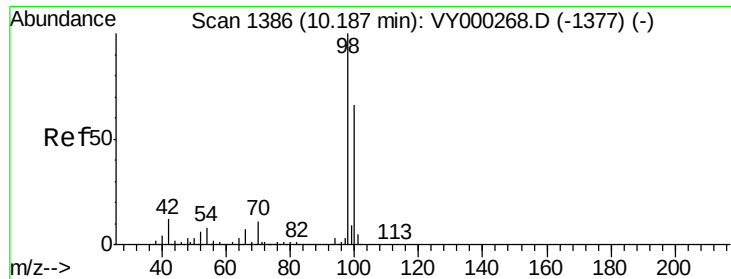
Tot Ion	Ratio	Lower	Upper
43	100		
61	1.7	12.1	18.1#
70	0.3	8.7	13.1#



#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	72.8	109.2#
121	0.0	22.2	33.2#

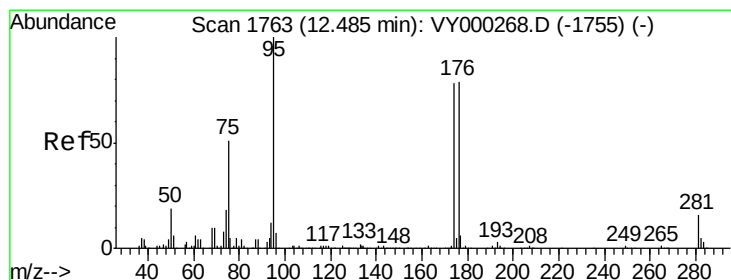
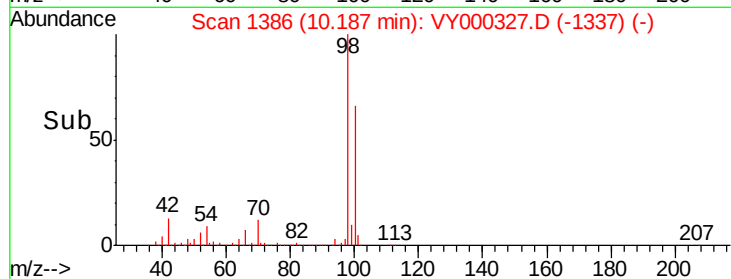
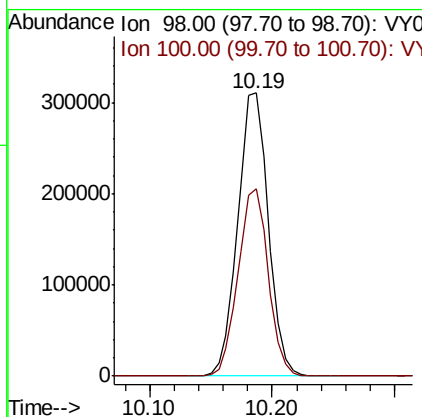
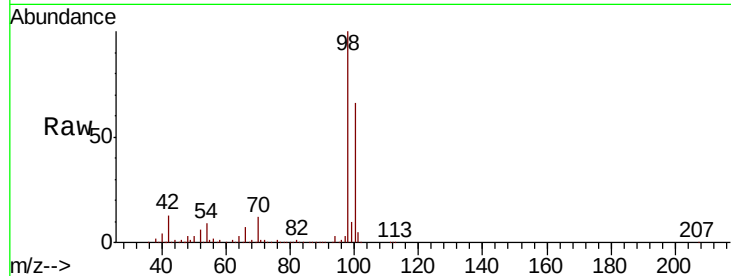




#50
Toluene-d8
Concen: 49.827 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

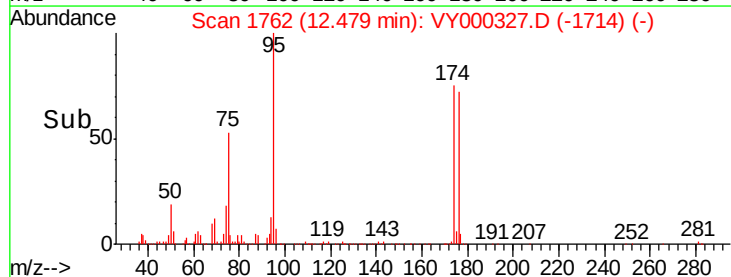
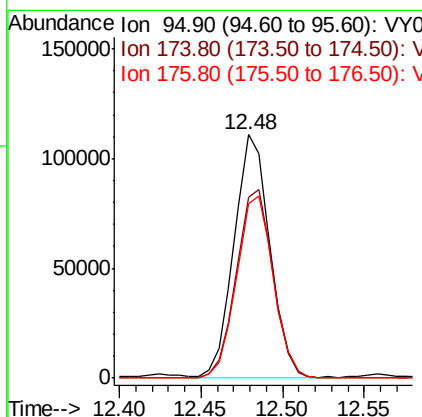
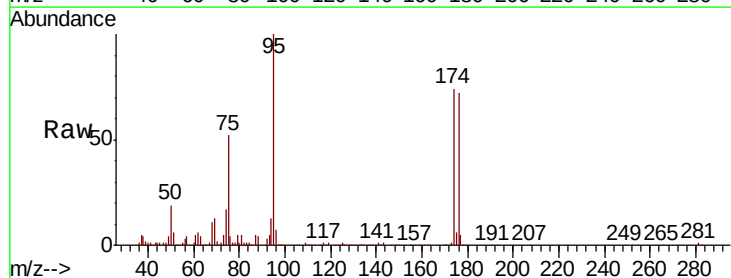
Instrument :
MSVOA_Y
ClientSampleId :

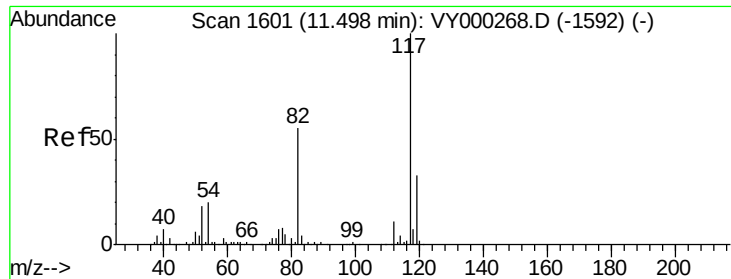
Tot Ion: 98 Resp: 536562
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.285 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

Tgt Ion: 95 Resp: 168902
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.6
176 77.2 0.0 153.8

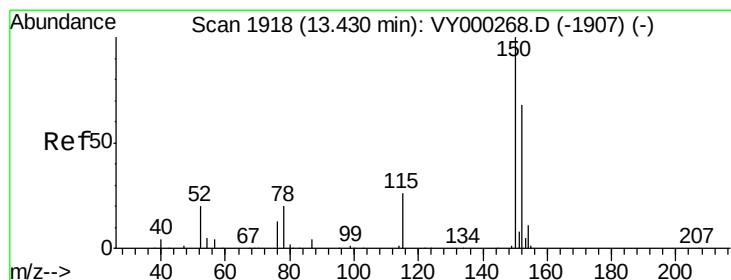
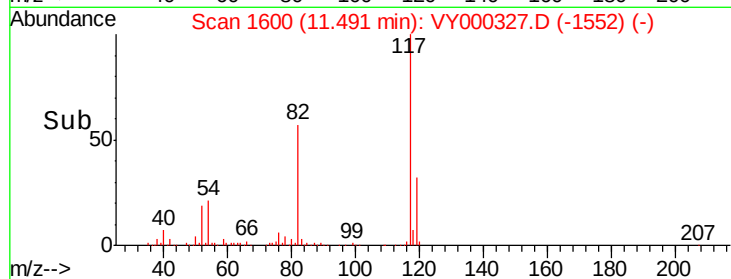
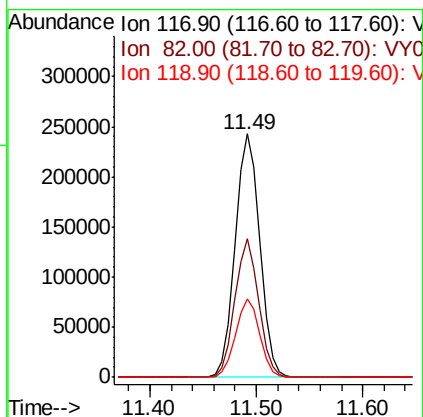
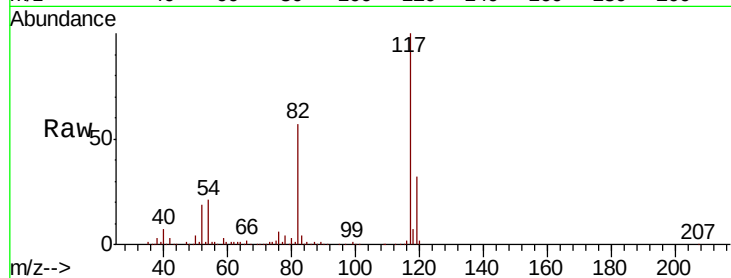




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

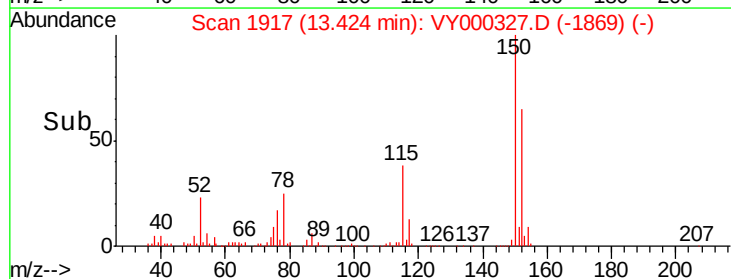
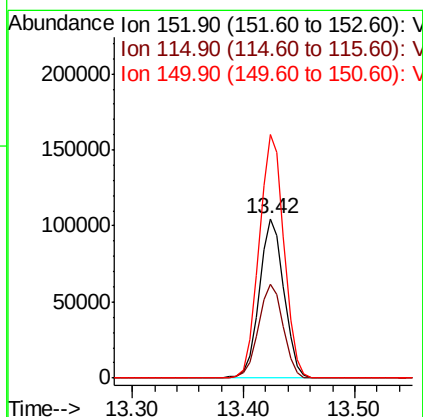
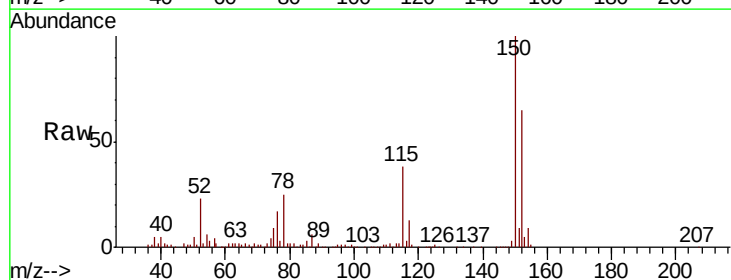
Instrument :
MSVOA_Y
ClientSampleId :

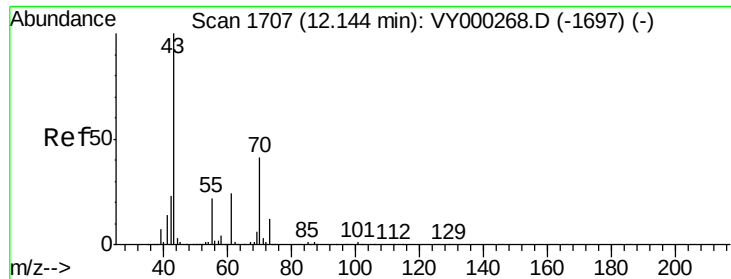
Tot Ion:117 Resp: 394382
Ion Ratio Lower Upper
117 100
82 57.1 43.7 65.5
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

Tgt Ion:152 Resp: 161953
Ion Ratio Lower Upper
152 100
115 59.1 29.3 88.0
150 153.9 0.0 348.4

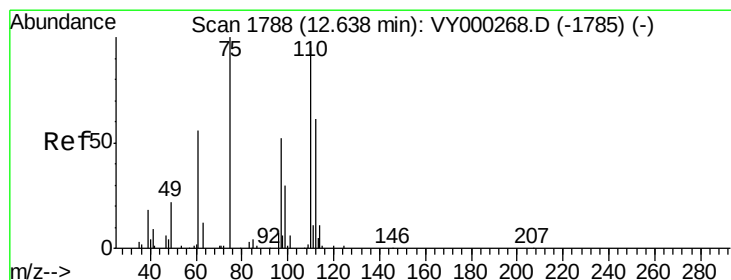
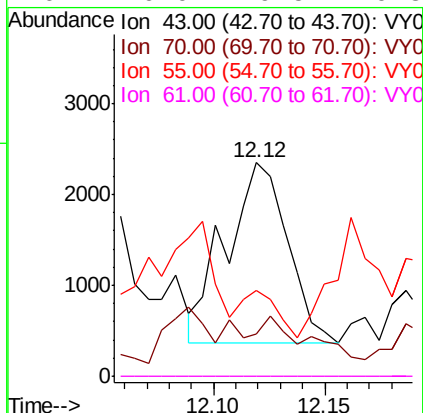
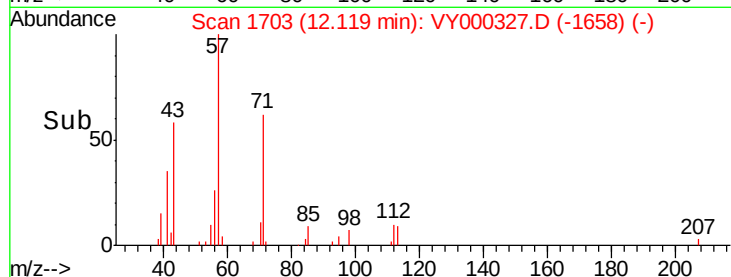
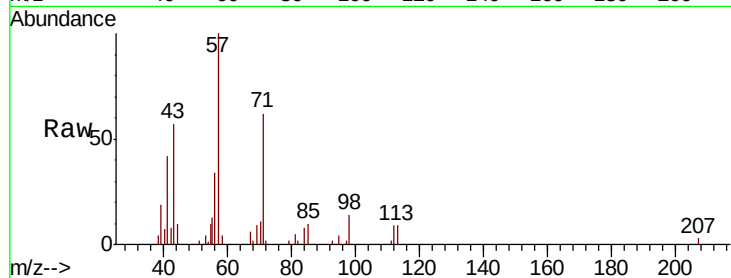




#74
N-amvl acetate
Concen: 1.232 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

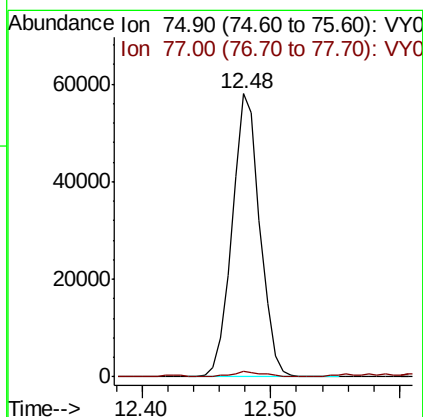
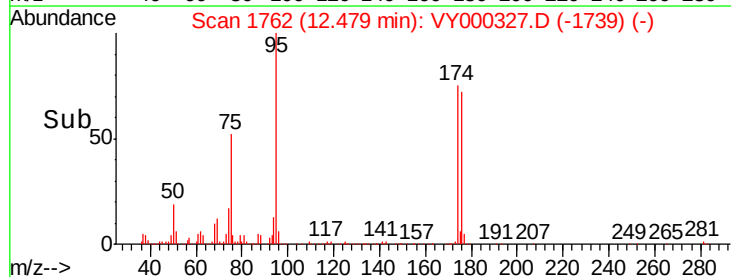
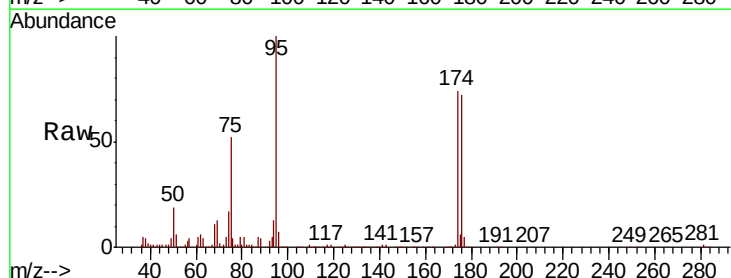
Instrument :
MSVOA_Y
ClientSampleId :

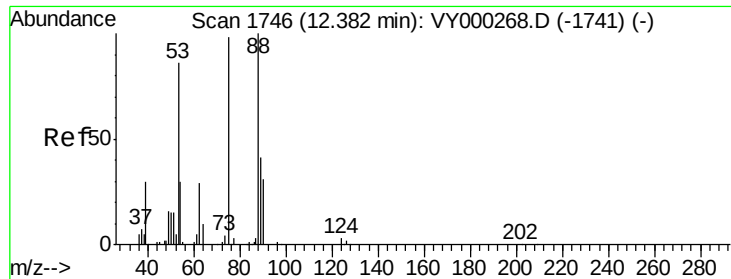
Tot Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 17.8 26.6#
61 0.0 19.5 29.3#



#76
1,2,3-Trichloropropane
Concen: 43.637 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000327.D
Acq: 16 Oct 2019 14:12

Tgt Ion: 75 Resp: 86902
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.476 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

Instrument :

MSVOA_Y

ClientSampleId :

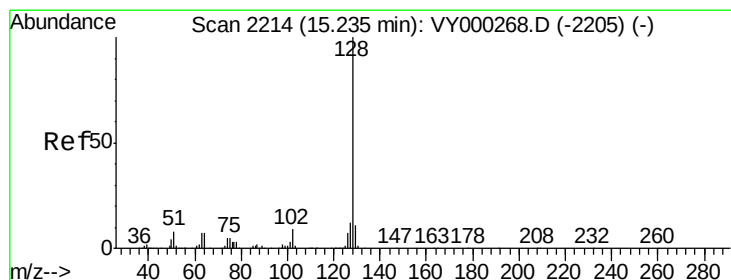
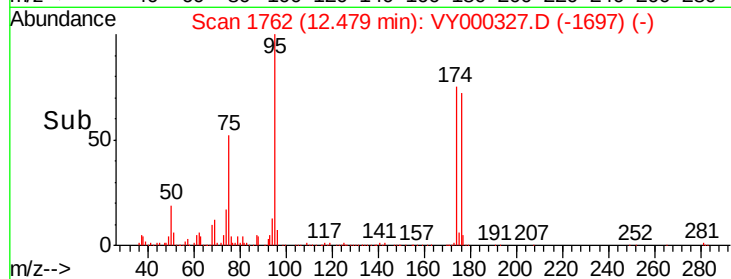
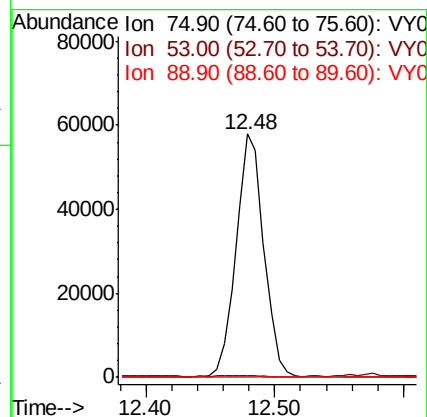
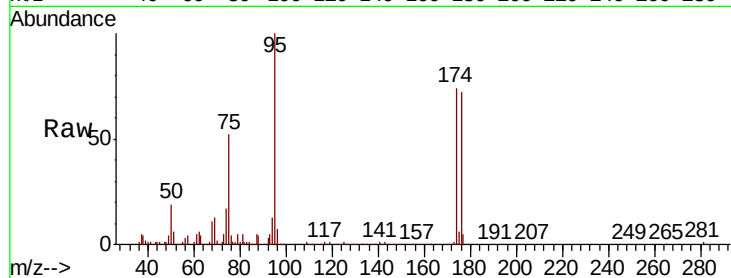
Tot Ion: 75 Resp: 86902

Ion Ratio Lower Upper

75 100

53 1.2 71.3 106.9#

89 0.1 35.1 52.7#



#95

Naphthalene

Concen: 2.357 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000327.D

Acq: 16 Oct 2019 14:12

Tgt Ion: 128 Resp: 18350

Ion Ratio Lower Upper

128 100

127 29.9 9.6 14.4#

129 17.2 8.7 13.1#

