

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091619\
 Data File : VY000043.D
 Acq On : 16 Sep 2019 12:34
 Operator : SY/MD
 Sample : VY0916SBL01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0916SBL01

Quant Time: Sep 17 05:56:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	126322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	214001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	87719	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	73564	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
35) Dibromofluoromethane	7.72	113	72540	51.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.26%	
50) Toluene-d8	10.18	98	302783	53.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.48	95	101345	48.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.62%	

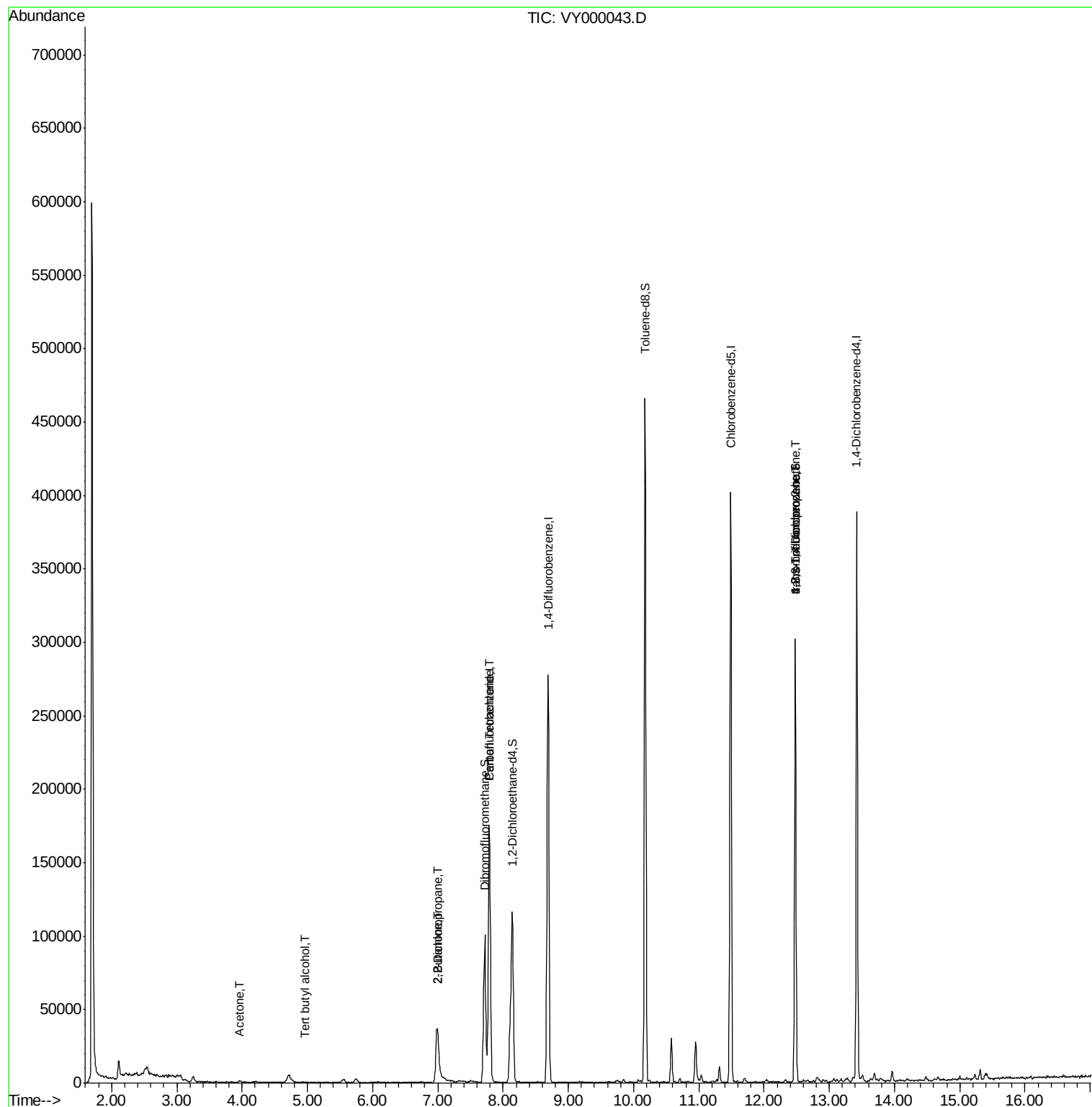
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.64	94	157	Below Cal	#	68
11) Tert butyl alcohol	4.95	59	393	2.272	ug/l #	72
13) Acrolein	3.82	56	42	Below Cal	#	1
16) Acetone	3.96	43	1660	4.399	ug/l	89
17) Carbon Disulfide	4.18	76	372	Below Cal	#	74
20) Methylene Chloride	4.71	84	3797	Below Cal	#	81
25) 2-Butanone	6.99	43	2237	3.648	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	2418	1.101	ug/l #	51
31) Cyclohexane	7.79	56	3667	Below Cal	#	1
38) Carbon Tetrachloride	7.79	117	13431	7.837	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	50684	41.600	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	50684	82.515	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.33	75	132	Below Cal	#	3

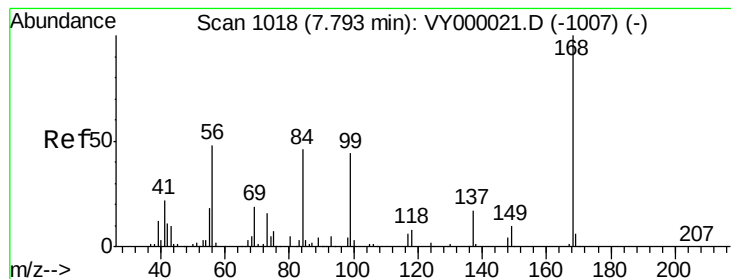
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

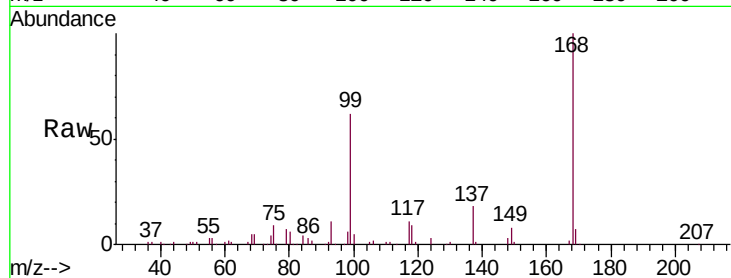
VY0916SBL01

Tgt Ion:168 Resp: 126322

Ion Ratio Lower Upper

168 100

99 61.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

50000

40000

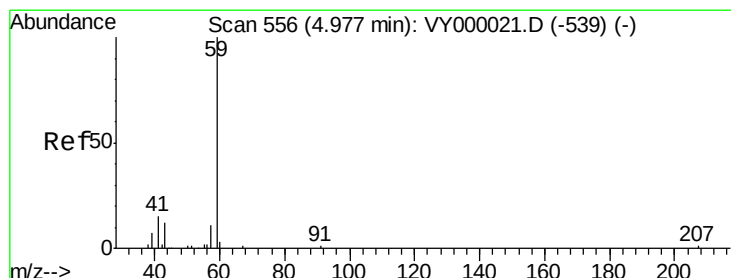
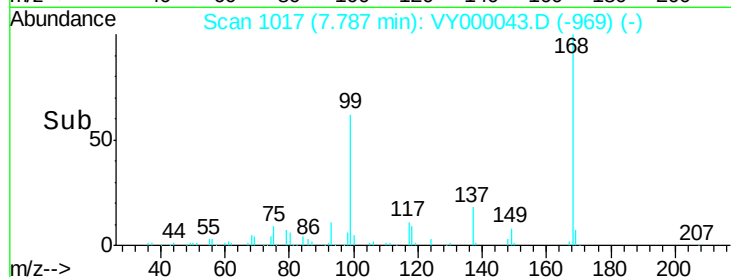
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.272 ug/l

RT: 4.95 min Scan# 552

Delta R.T. -0.02 min

Lab File: VY000043.D

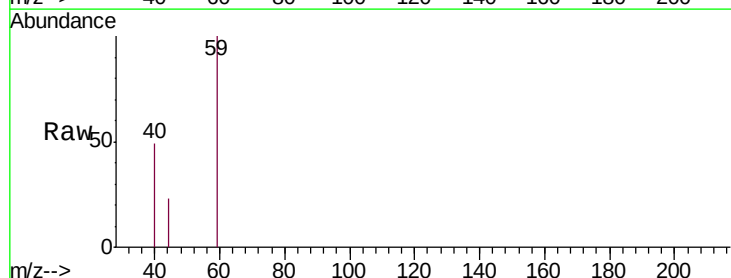
Acq: 16 Sep 2019 12:34

Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.95

400

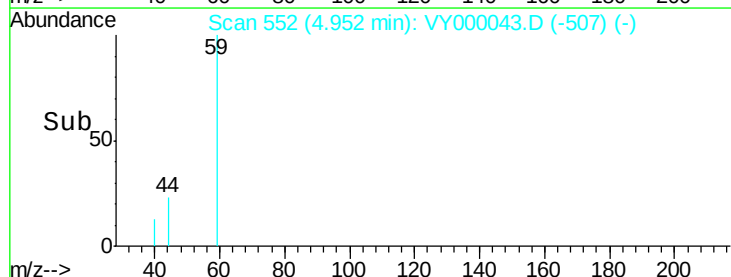
300

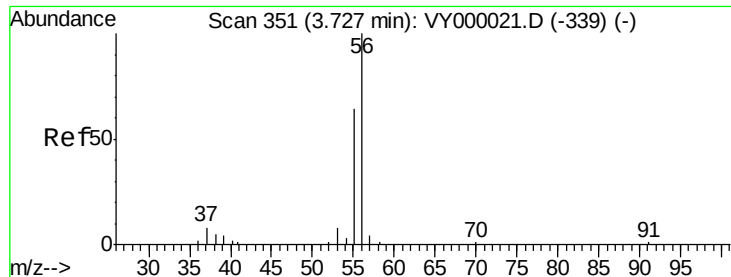
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.82 min Scan# 366

Delta R.T. 0.09 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

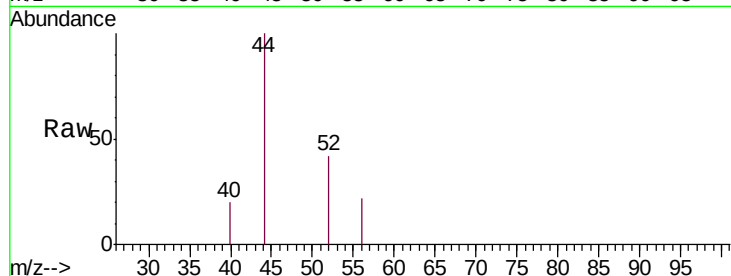
VY0916SBL01

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

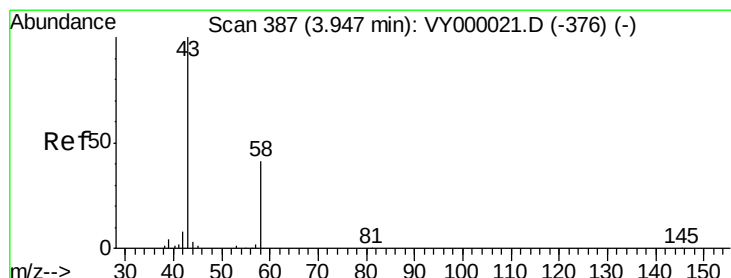
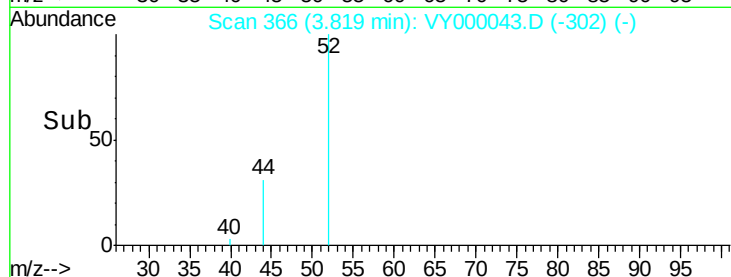
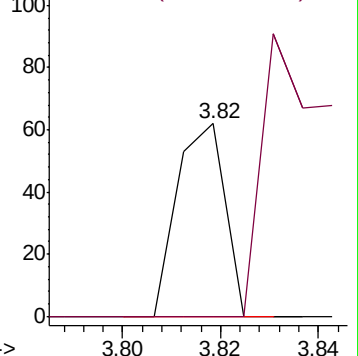
56 100

55 261.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 4.399 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000043.D

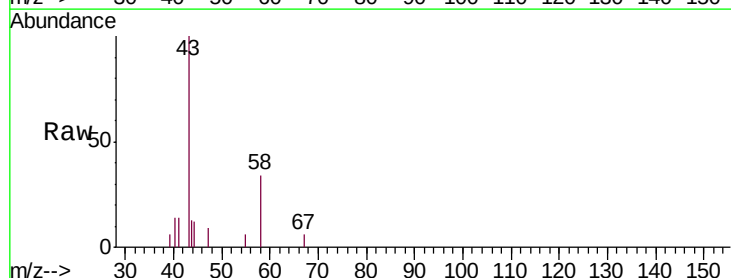
Acq: 16 Sep 2019 12:34

Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

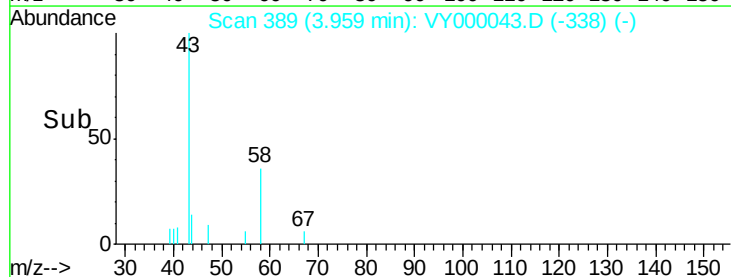
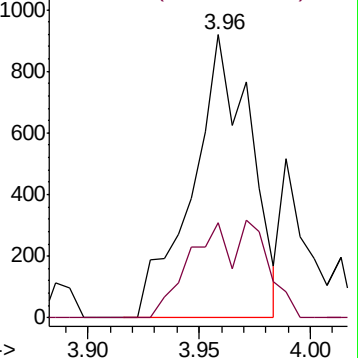
43 100

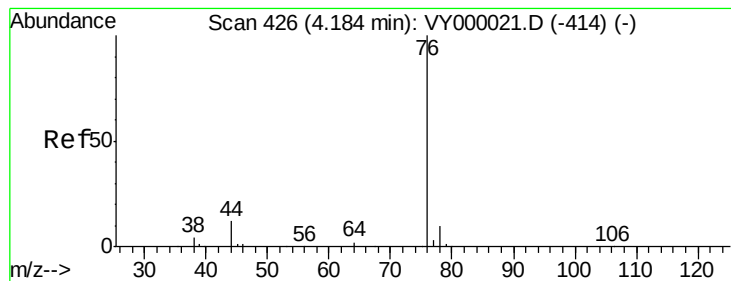
58 33.6 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

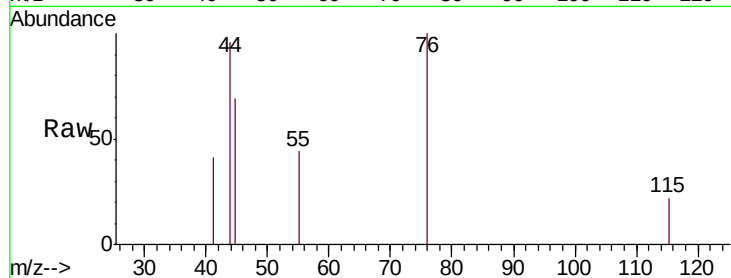
VY0916SBL01

Tgt Ion: 76 Resp: 372

Ion Ratio Lower Upper

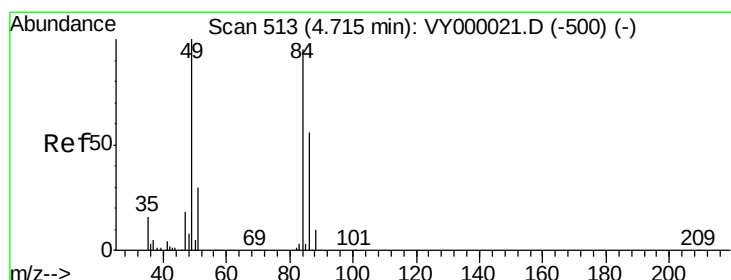
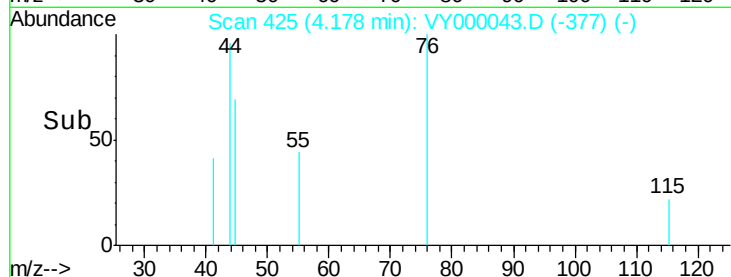
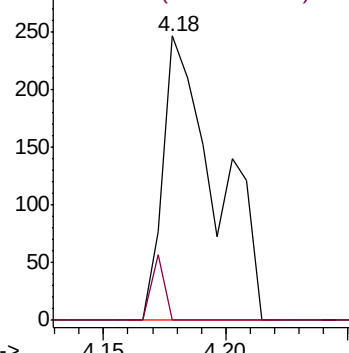
76 100

78 0.0 7.6 11.4#



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: 4.71 min Scan# 513

Delta R.T. 0.00 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Tgt Ion: 84 Resp: 3797

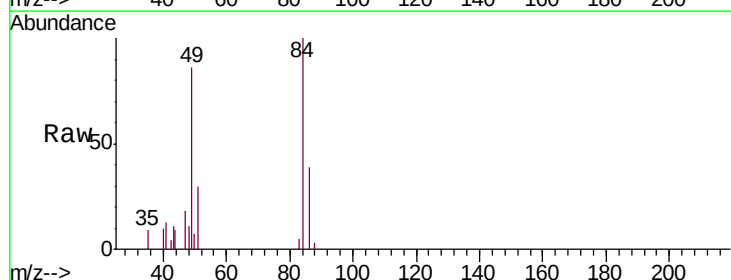
Ion Ratio Lower Upper

84 100

49 86.1 84.4 126.6

51 29.7 25.4 38.0

86 39.0 47.4 71.2#

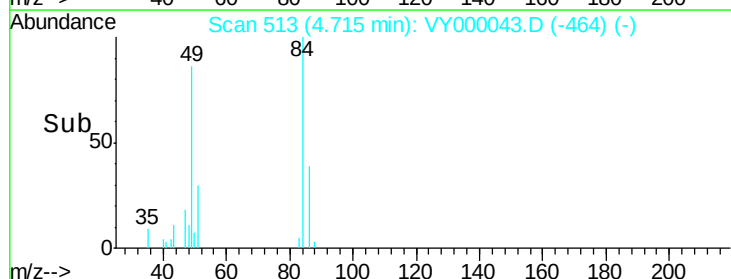
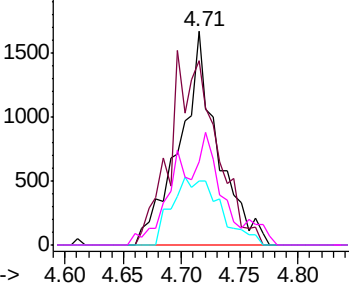


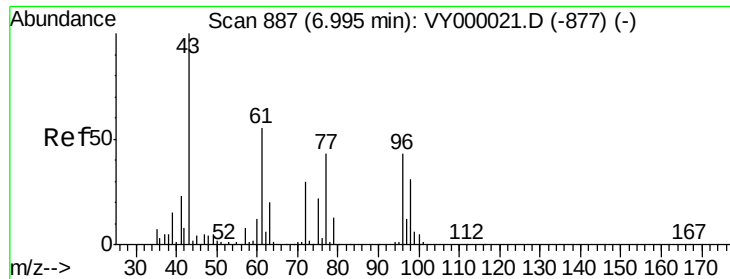
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.648 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

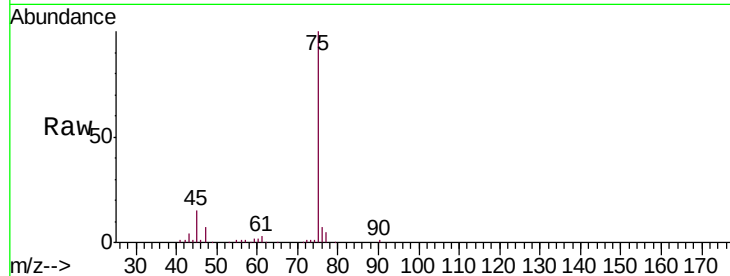
VY0916SBL01

Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

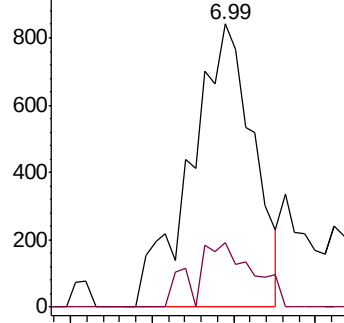
43 100

72 22.8 24.1 36.1#

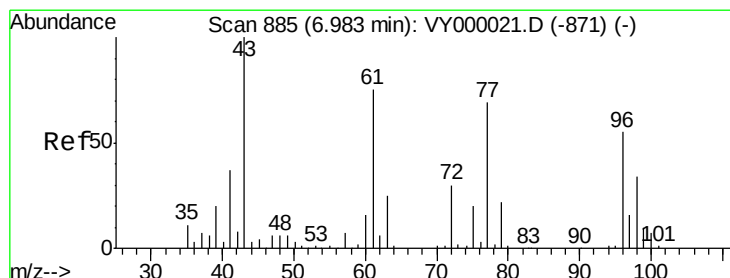
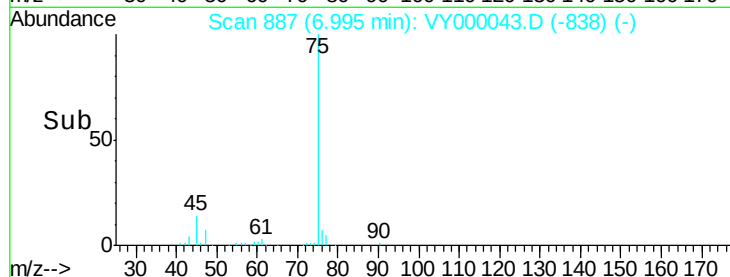


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 1.101 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000043.D

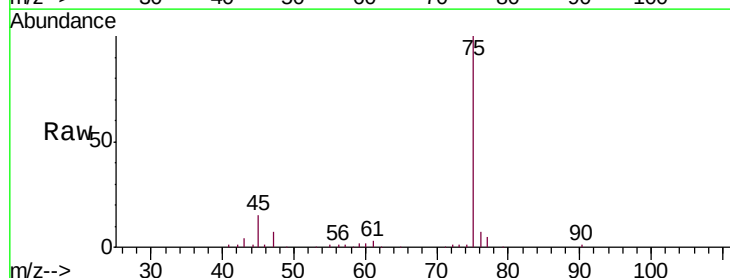
Acq: 16 Sep 2019 12:34

Tgt Ion: 77 Resp: 2418

Ion Ratio Lower Upper

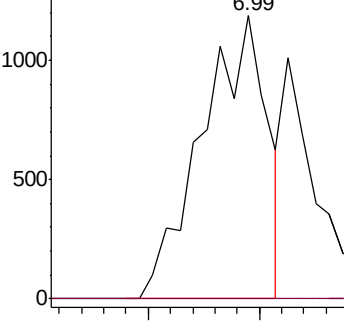
77 100

97 0.0 12.0 36.1#

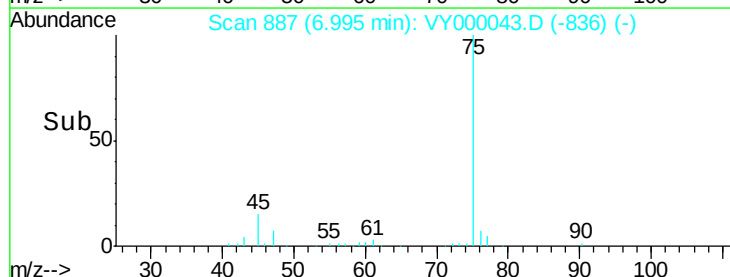


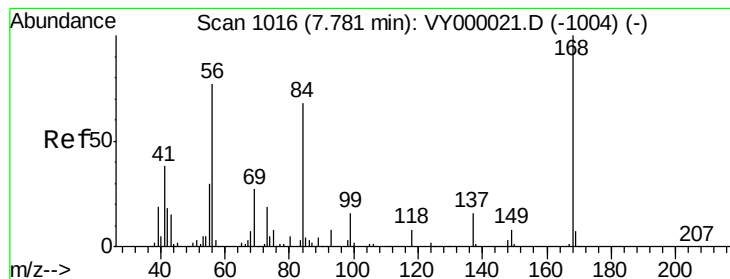
Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0916SBL01

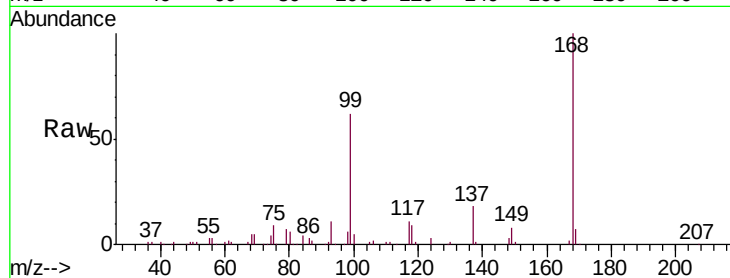
Tgt Ion: 56 Resp: 3667

Ion Ratio Lower Upper

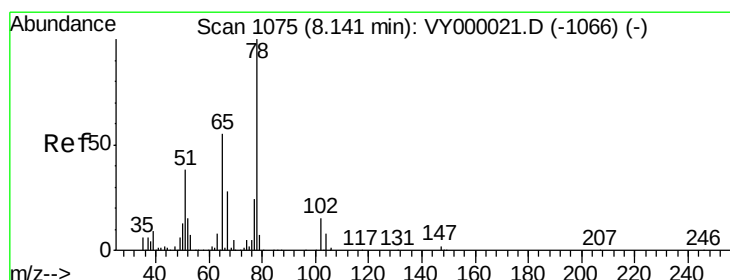
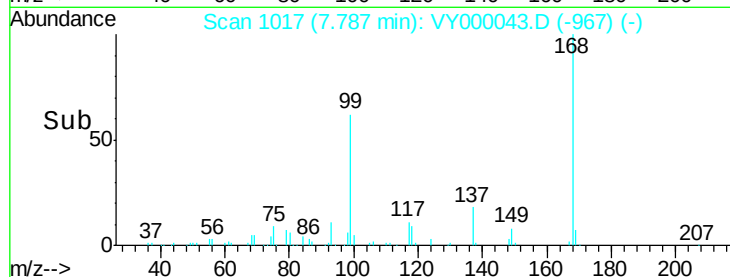
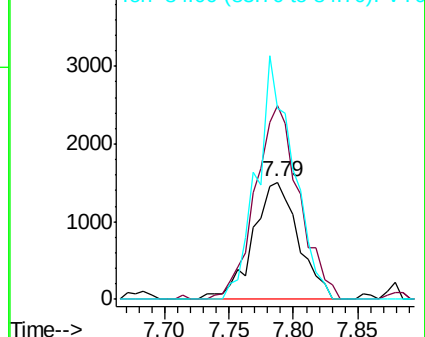
56 100

69 165.3 28.0 42.0#

84 163.0 70.4 105.6#



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: 54.061 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000043.D

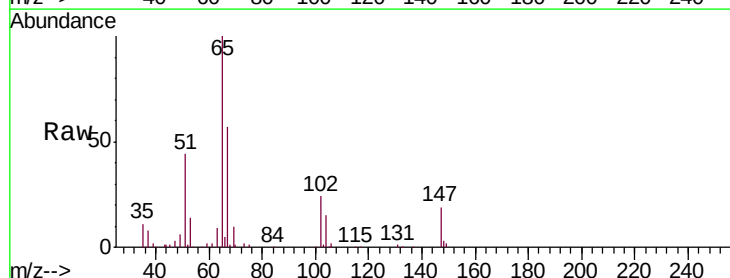
Acq: 16 Sep 2019 12:34

Tgt Ion: 65 Resp: 73564

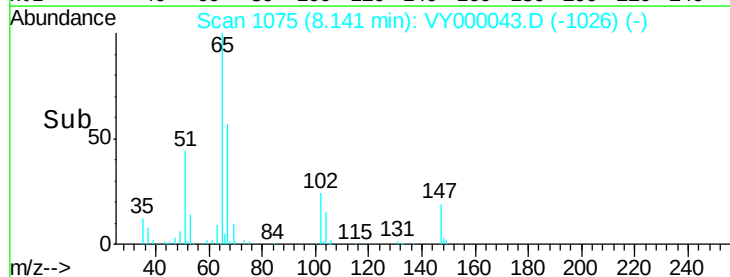
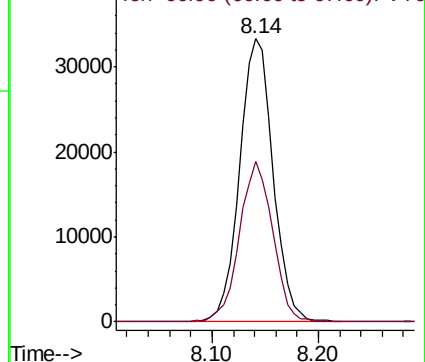
Ion Ratio Lower Upper

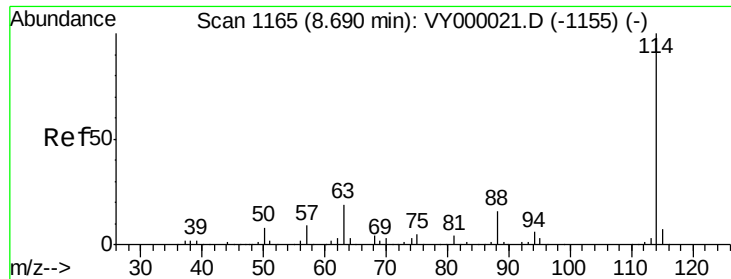
65 100

67 56.4 0.0 104.4



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

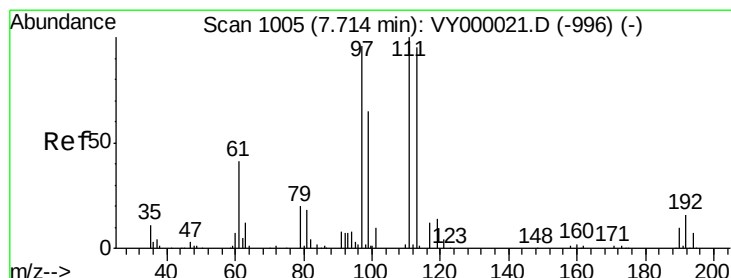
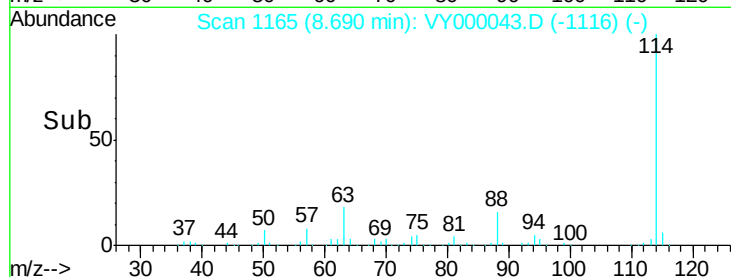
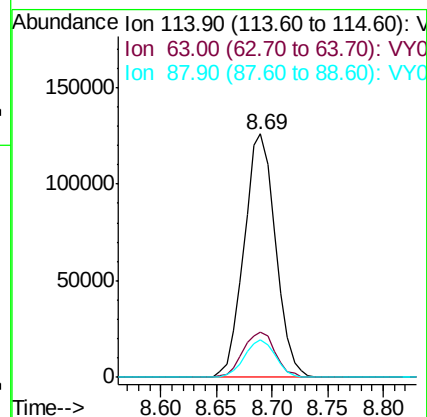
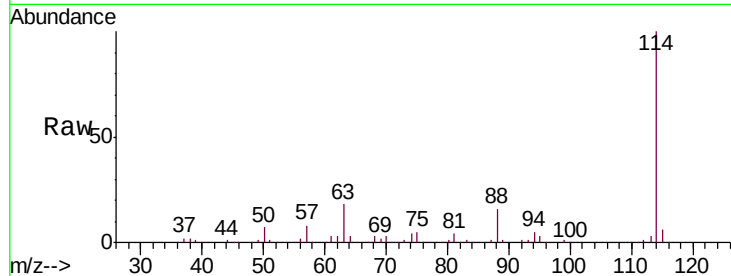




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000043.D
 Acq: 16 Sep 2019 12:34

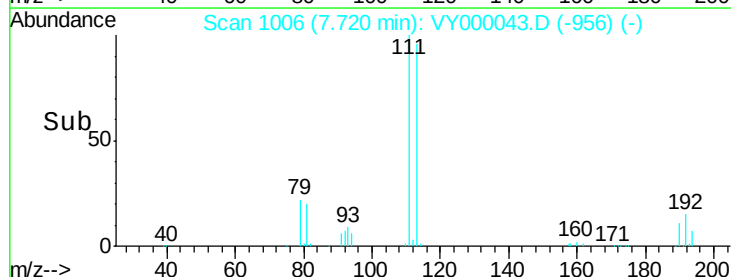
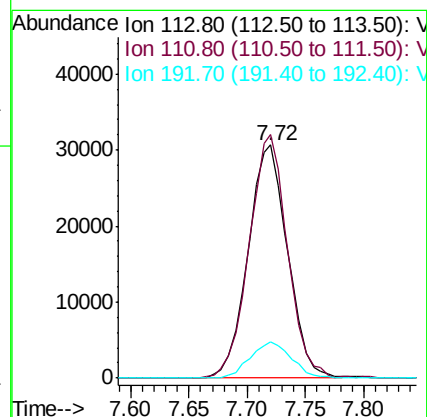
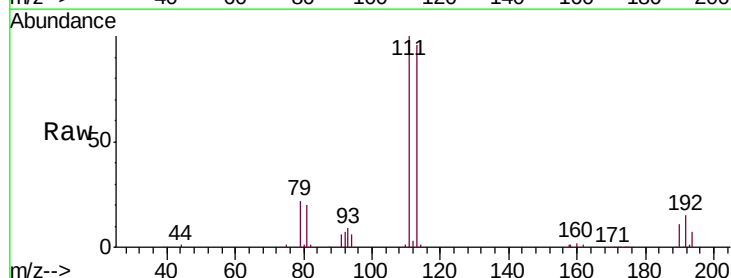
Instrument :
 MSVOA_Y
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 VY0916SBL01

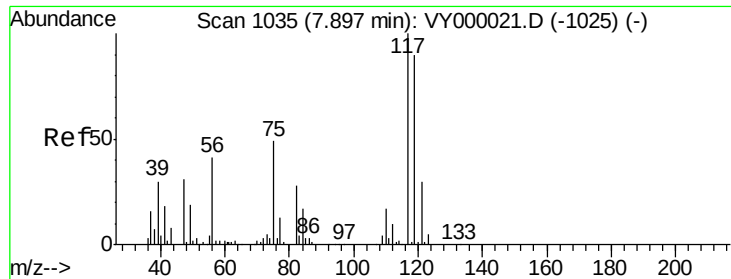
Tgt Ion:114 Resp: 247297
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.6
 88 15.7 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 51.130 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000043.D
 Acq: 16 Sep 2019 12:34

Tgt Ion:113 Resp: 72540
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.9 125.9
 192 16.2 14.5 21.7

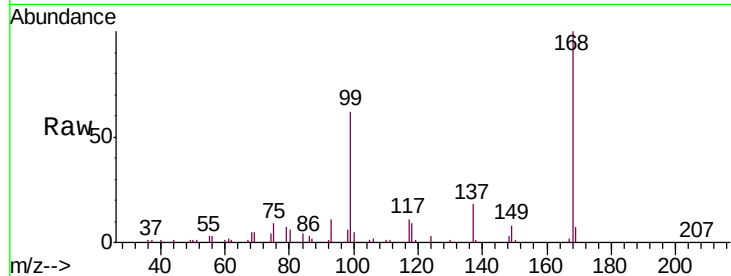




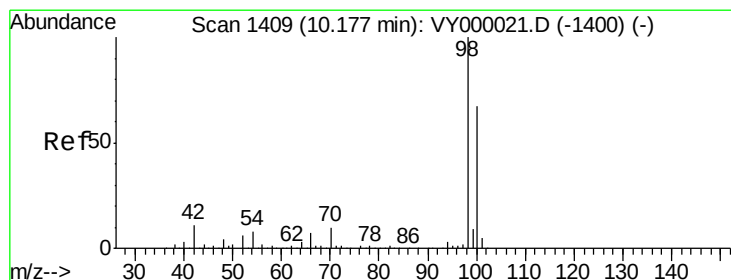
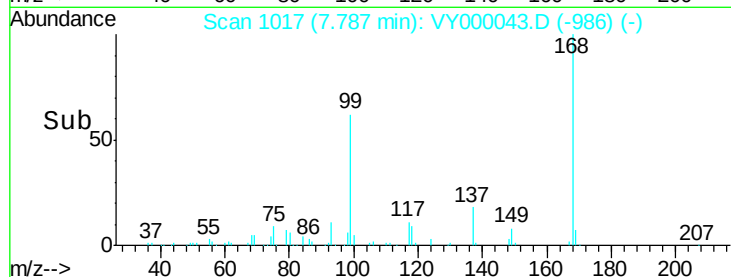
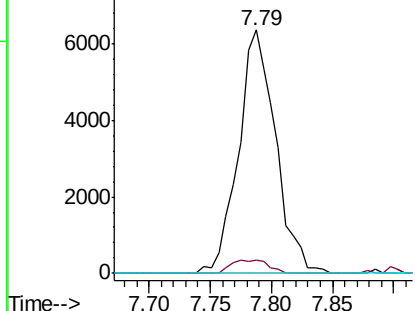
#38
Carbon Tetrachloride
Concen: 7.837 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. -0.11 min
Lab File: VY000043.D
Acq: 16 Sep 2019 12:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0916SBL01

Tgt Ion:117 Resp: 13431
Ion Ratio Lower Upper
117 100
119 5.5 72.1 108.1#
121 0.0 23.9 35.9#

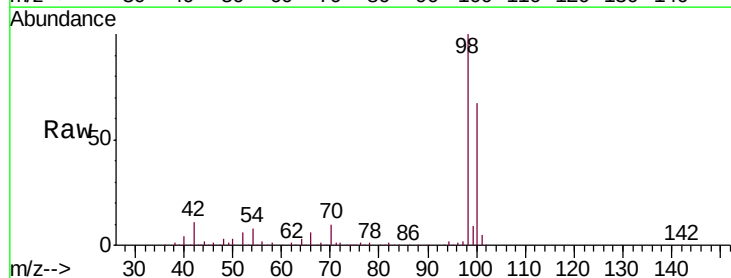


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

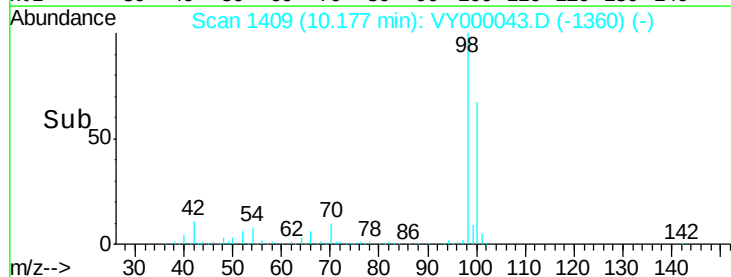
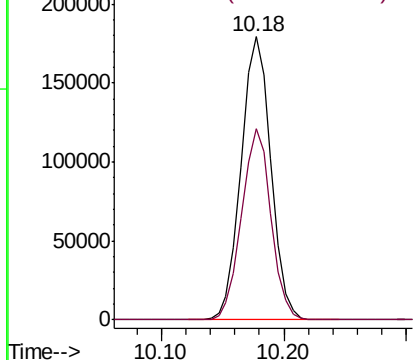


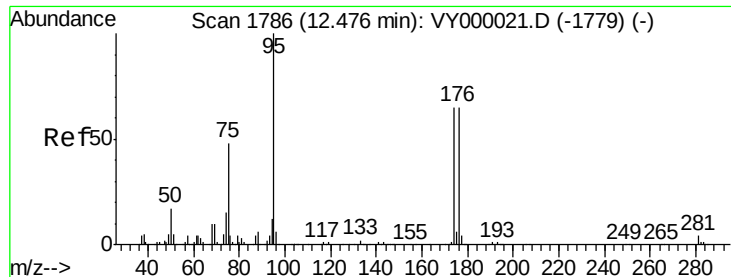
#50
Toluene-d8
Concen: 53.007 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000043.D
Acq: 16 Sep 2019 12:34

Tgt Ion: 98 Resp: 302783
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0



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

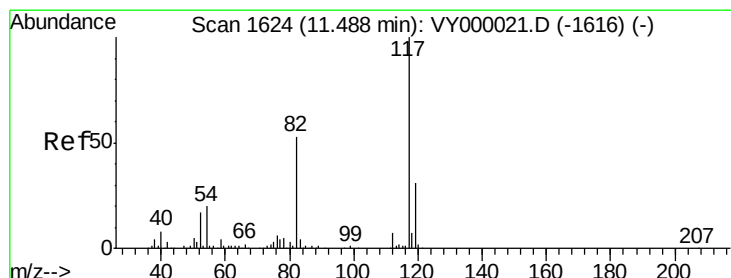
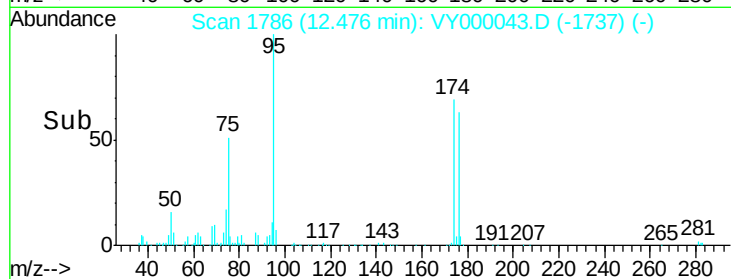
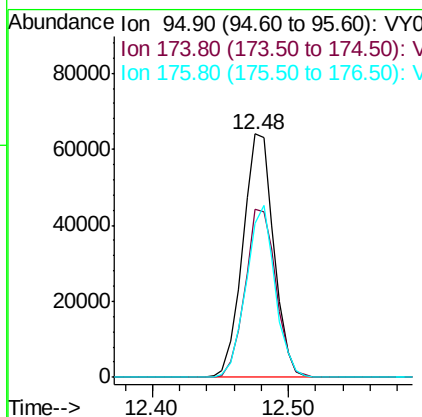
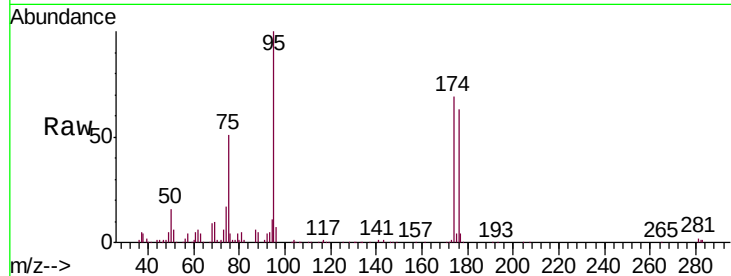




#62
4-Bromofluorobenzene
Concen: 48.813 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000043.D
Acq: 16 Sep 2019 12:34

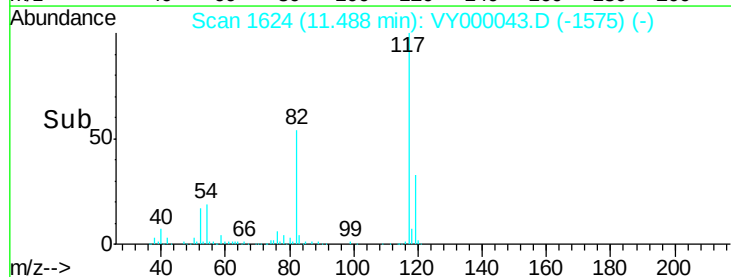
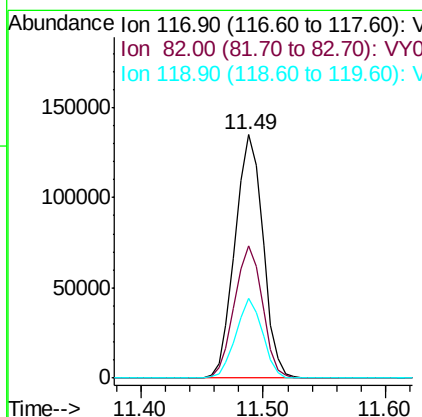
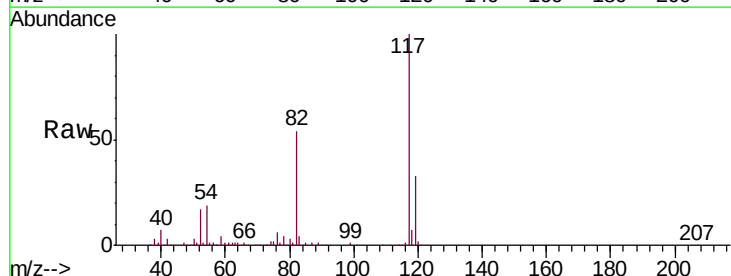
Instrument :
MSVOA_Y
ClientSampleId :
VY0916SBL01

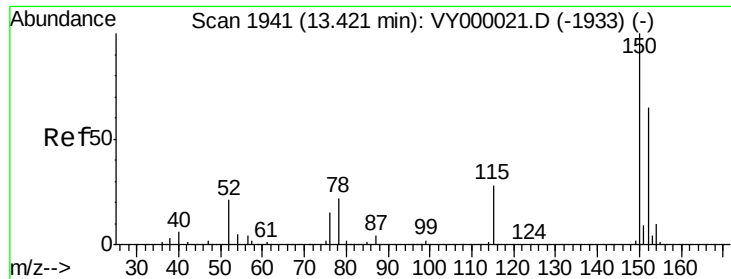
Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	137.6
176	66.4	0.0	134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000043.D
Acq: 16 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.5	63.7
119	32.5	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0916SBL01

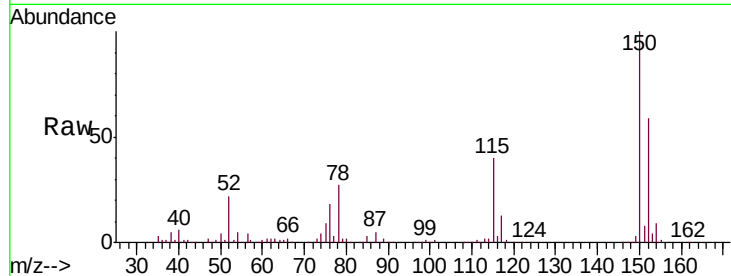
Tgt Ion:152 Resp: 87719

Ion Ratio Lower Upper

152 100

115 64.8 29.4 88.2

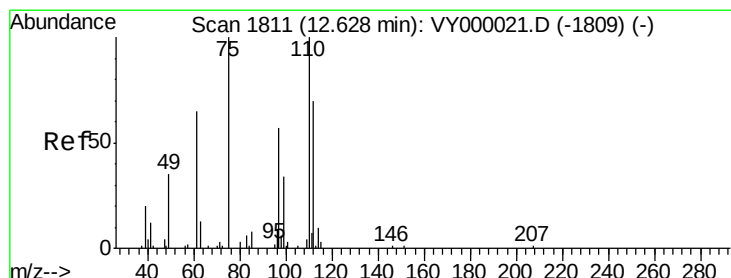
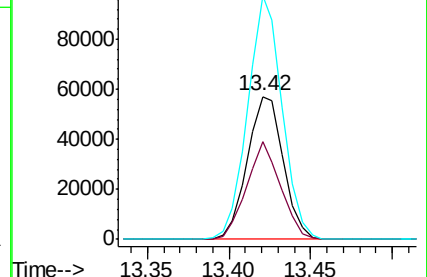
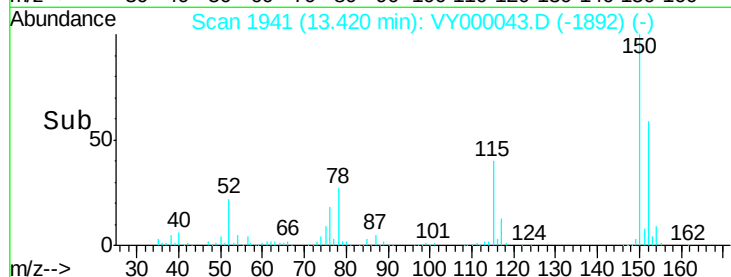
150 162.6 0.0 349.0



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: 41.600 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000043.D

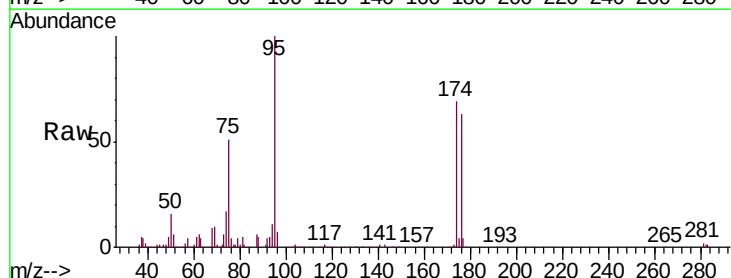
Acq: 16 Sep 2019 12:34

Tgt Ion: 75 Resp: 50684

Ion Ratio Lower Upper

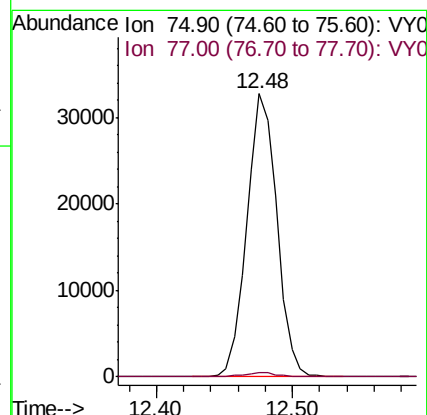
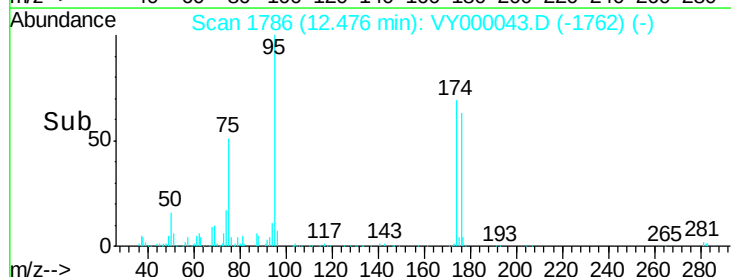
75 100

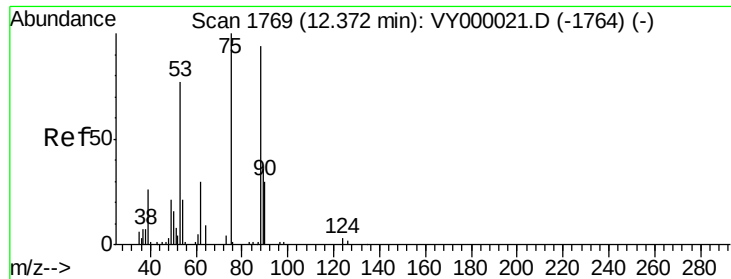
77 1.5 0.0 0.0#



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: 82.515 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0916SBL01

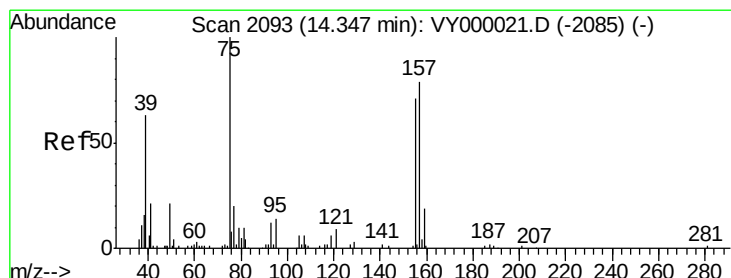
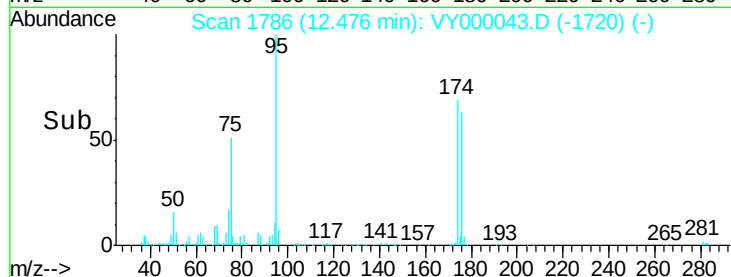
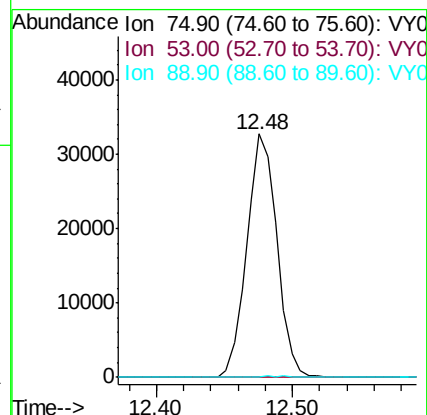
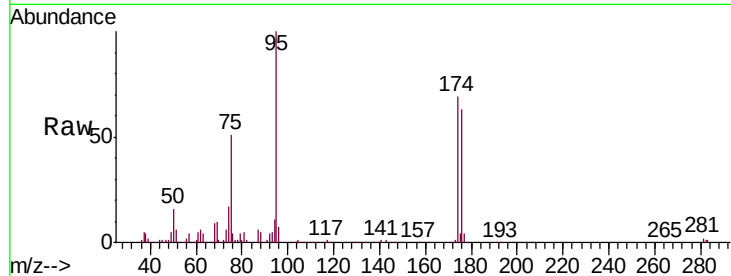
Tgt Ion: 75 Resp: 50684

Ion Ratio Lower Upper

75 100

53 0.1 64.2 96.2#

89 0.3 35.5 53.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.33 min Scan# 2090

Delta R.T. -0.02 min

Lab File: VY000043.D

Acq: 16 Sep 2019 12:34

Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.3#

157 0.0 51.3 153.9#

