

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000027.D
 Acq On : 12 Sep 2019 15:16
 Operator : SY/MD
 Sample : VY0912SBL03
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 16:31:38 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	134043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	256116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92007	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	71979	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.72	113	71189	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.18	98	300282	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.48	95	103301	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

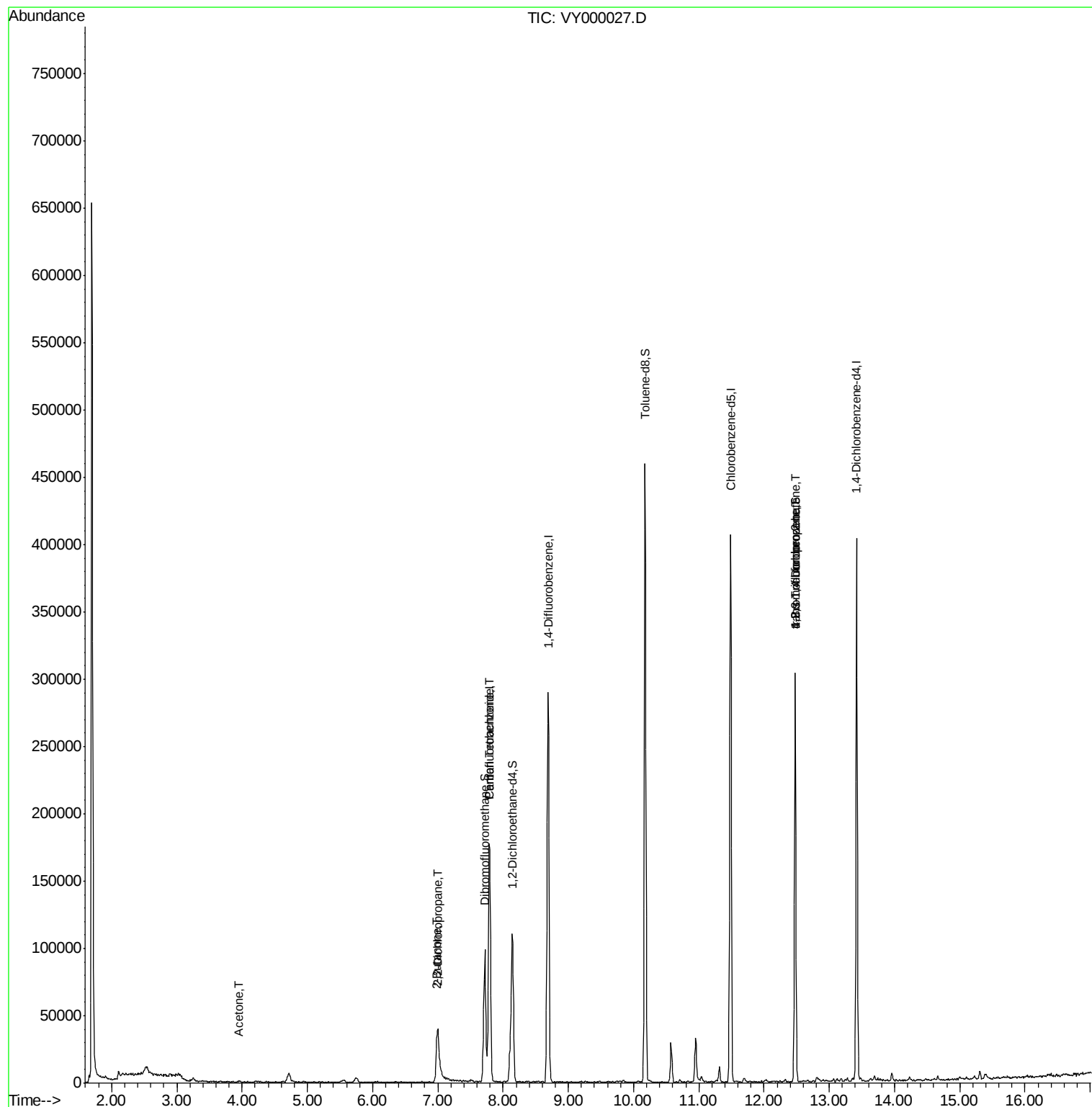
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	3542	Below Cal	#	77
5) Bromomethane	2.61	94	105	Below Cal	#	2
13) Acrolein	3.76	56	69	Below Cal	#	1
16) Acetone	3.95	43	1464	3.656	ug/l #	52
17) Carbon Disulfide	4.18	76	65	Below Cal	#	74
25) 2-Butanone	6.98	43	2541	3.905	ug/l #	85
26) 2,2-Dichloropropane	6.99	77	4066	1.744	ug/l #	51
31) Cyclohexane	7.79	56	3115	Below Cal	#	1
38) Carbon Tetrachloride	7.79	117	13936	7.851	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	50581	39.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	50581	78.509	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.37	75	61	Below Cal	#	3

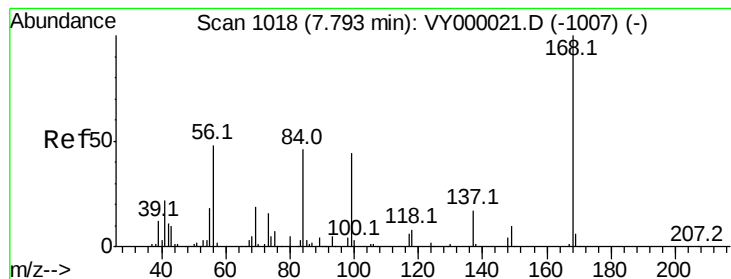
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

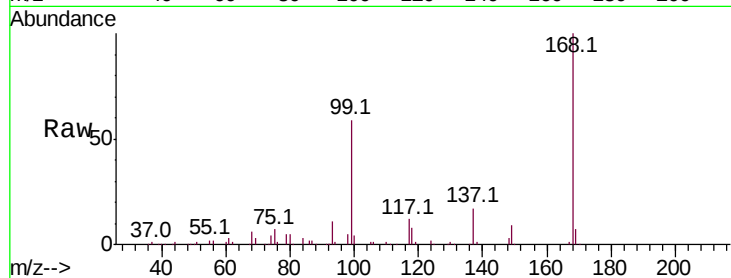
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 134043

Ion Ratio Lower Upper

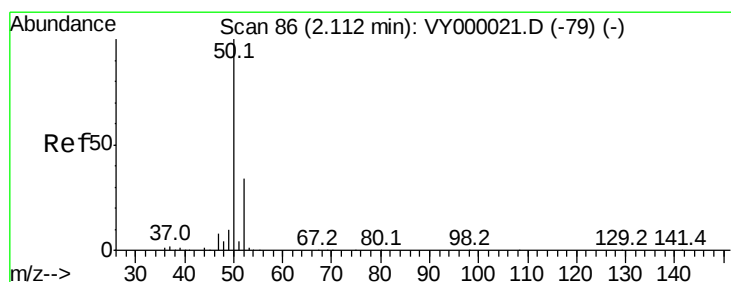
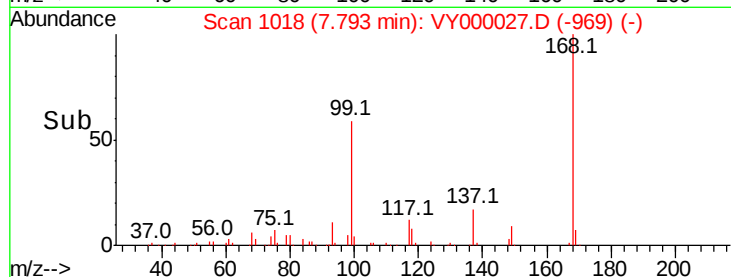
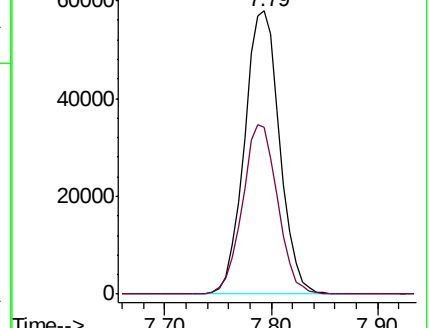
168 100

99 59.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000027.D

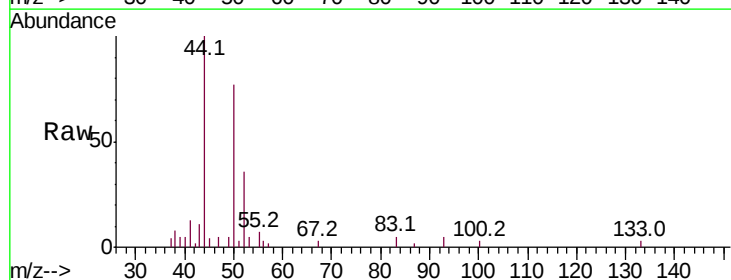
Acq: 12 Sep 2019 15:16

Tgt Ion: 50 Resp: 3542

Ion Ratio Lower Upper

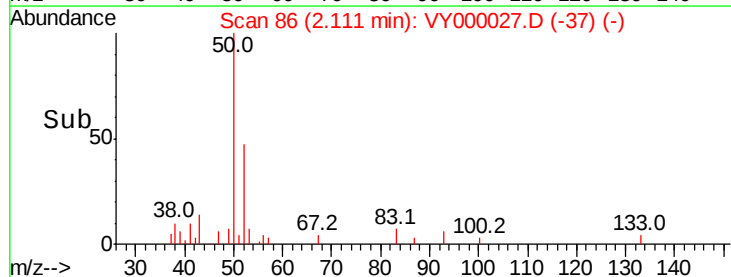
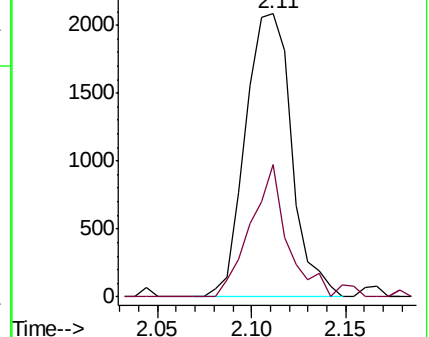
50 100

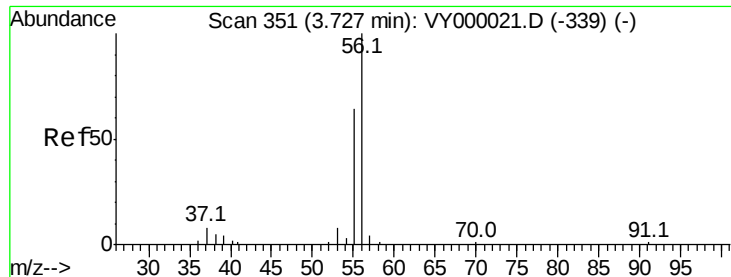
52 46.8 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VY000021.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VY000021.D (-79) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 357

Delta R.T. 0.04 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

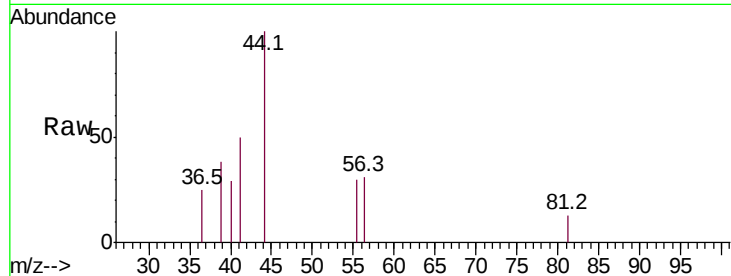
ClientSampleId :

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

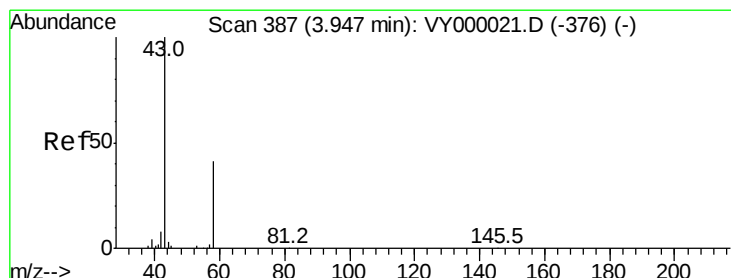
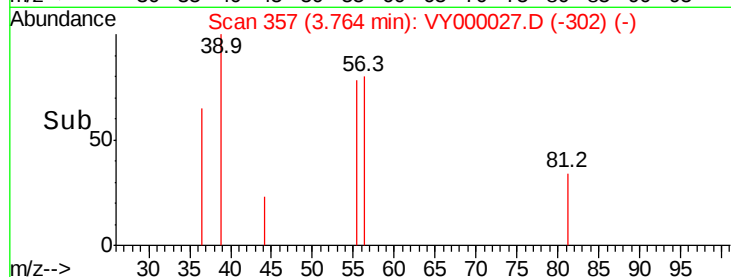
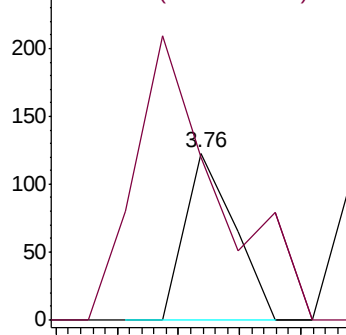
56 100

55 285.5 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: 3.656 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000027.D

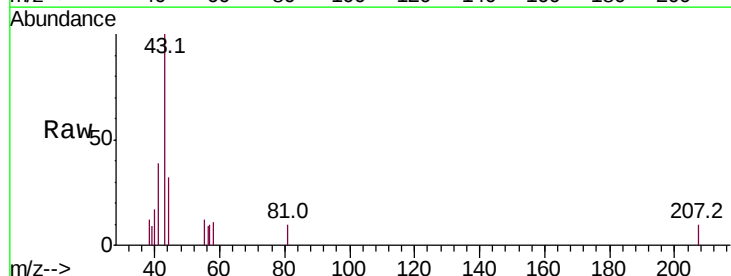
Acq: 12 Sep 2019 15:16

Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

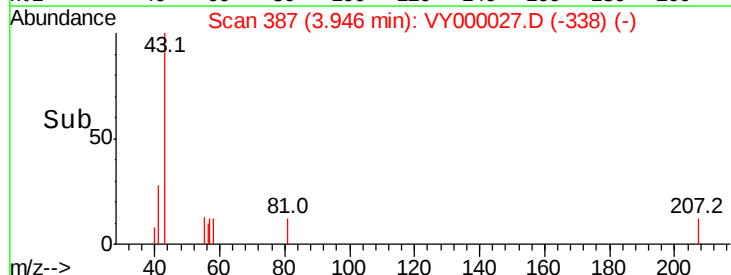
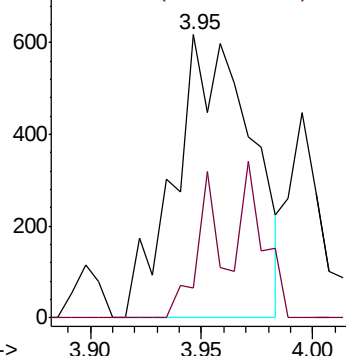
43 100

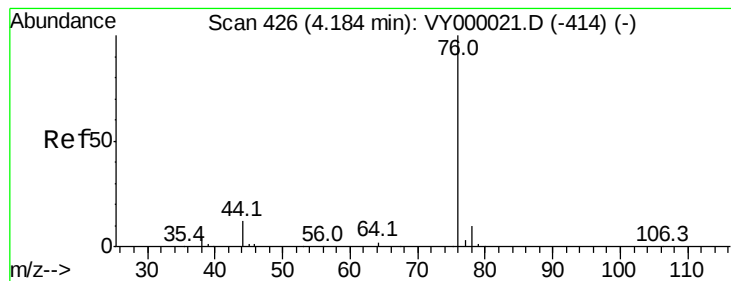
58 10.5 32.5 48.7#



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: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

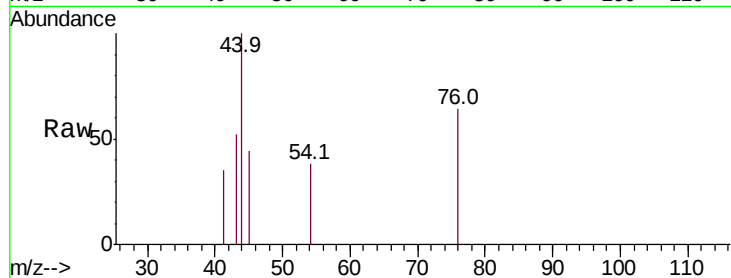
ClientSampleId :

Tot Ion: 76 Resp: 65

Ion Ratio Lower Upper

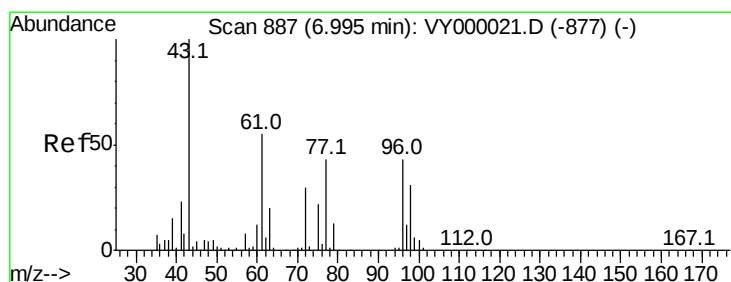
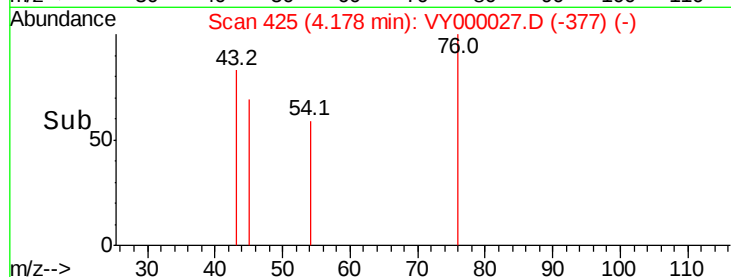
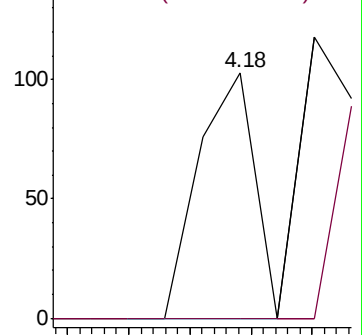
76 100

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



#25

2-Butanone

Concen: 3.905 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.01 min

Lab File: VY000027.D

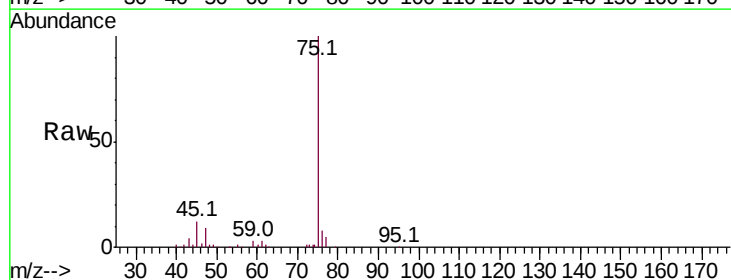
Acq: 12 Sep 2019 15:16

Tgt Ion: 43 Resp: 2541

Ion Ratio Lower Upper

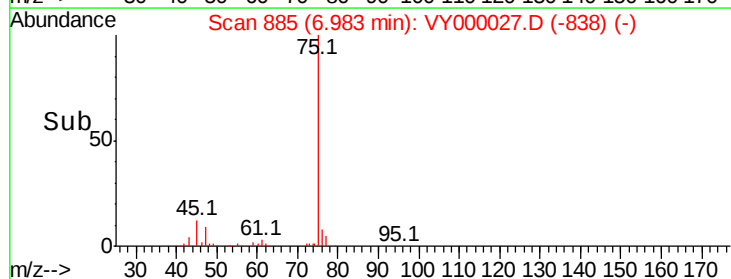
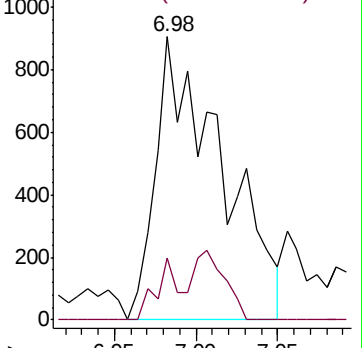
43 100

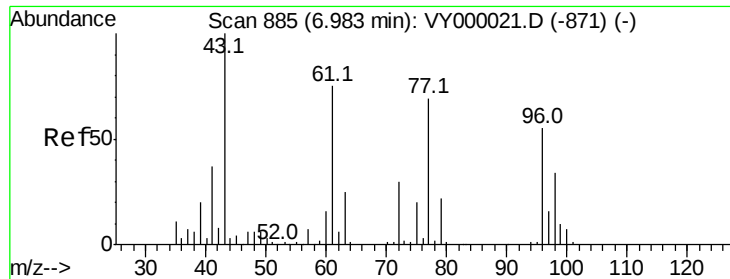
72 22.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

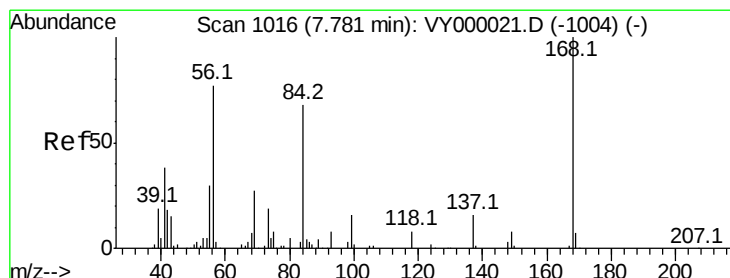
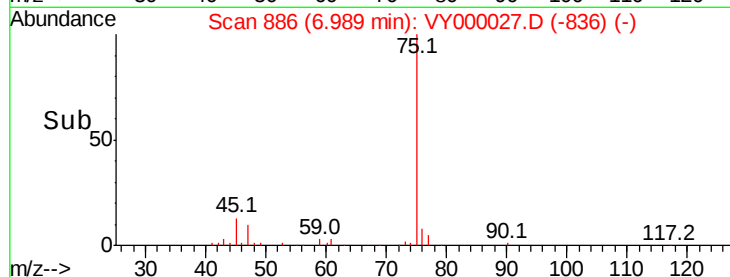
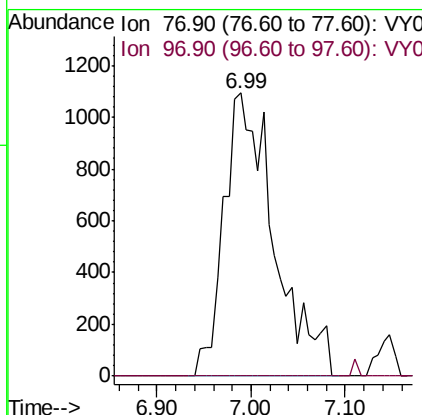
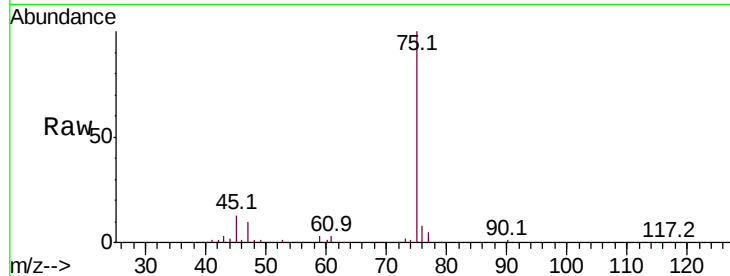




#26
2,2-Dichloropropane
Concen: 1.744 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000027.D
Acq: 12 Sep 2019 15:16

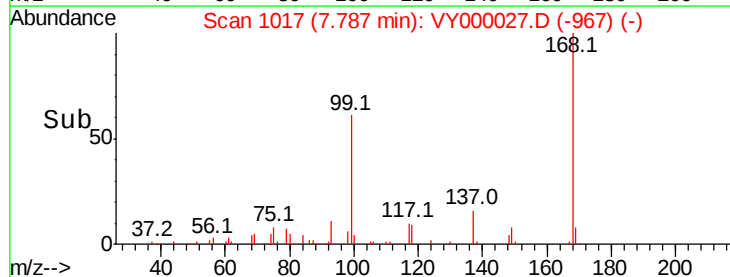
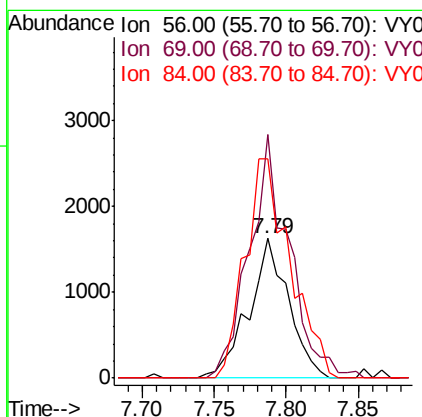
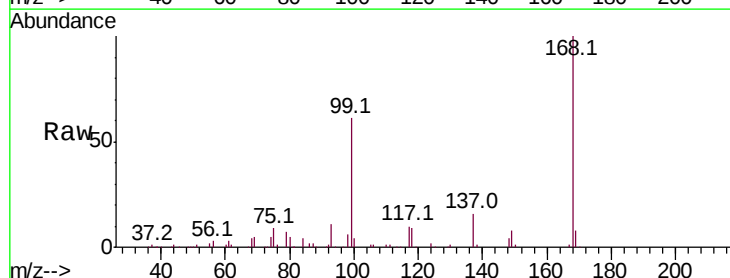
Instrument :
MSVOA_Y
ClientSampleId :

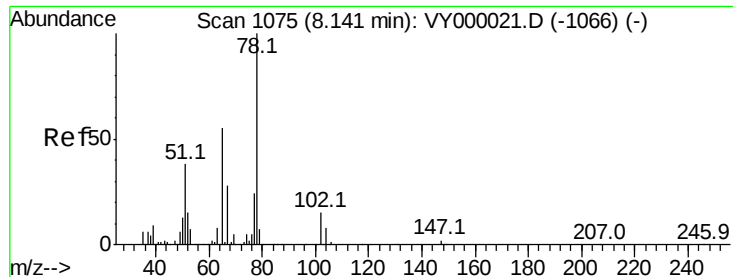
Tot Ion: 77 Resp: 4066
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000027.D
Acq: 12 Sep 2019 15:16

Tgt Ion: 56 Resp: 3115
Ion Ratio Lower Upper
56 100
69 174.4 28.0 42.0#
84 157.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 49.850 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

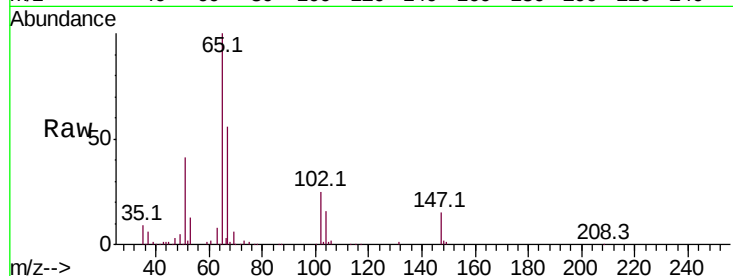
ClientSampleId :

Tot Ion: 65 Resp: 71979

Ion Ratio Lower Upper

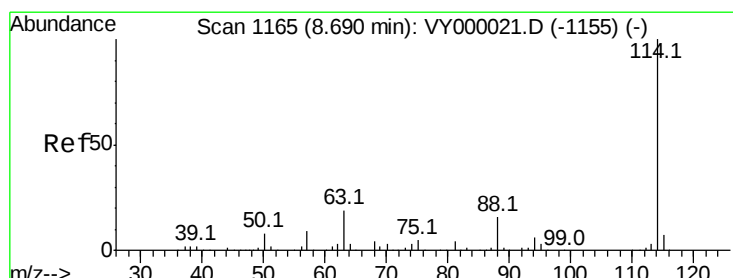
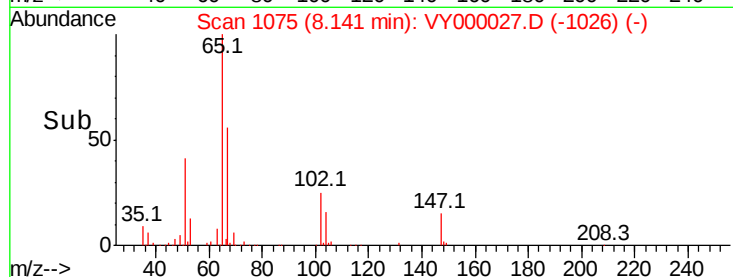
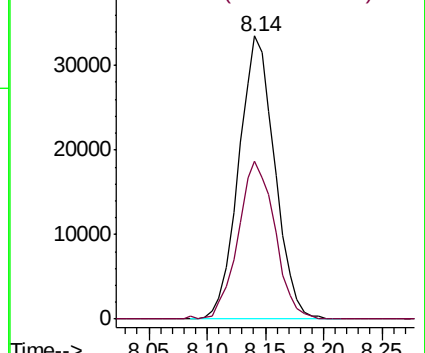
65 100

67 57.2 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: VY000027.D

Acq: 12 Sep 2019 15:16

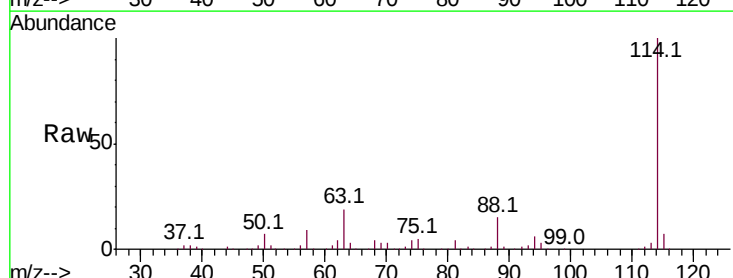
Tgt Ion: 114 Resp: 256116

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

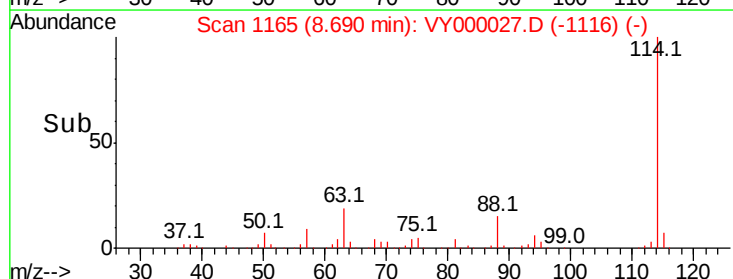
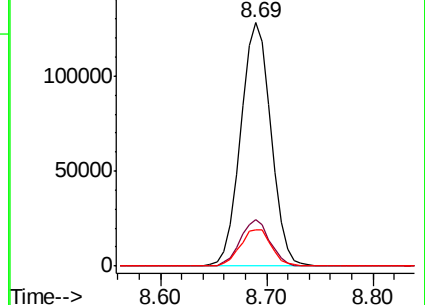
88 14.8 0.0 31.8

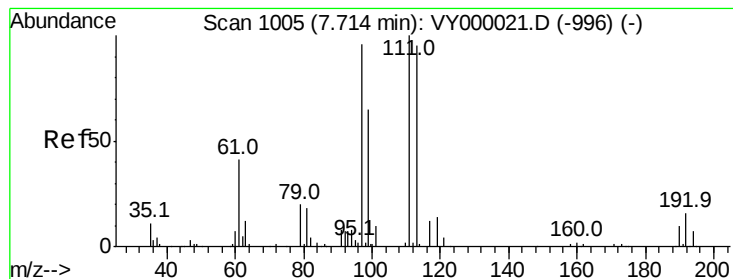


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.450 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

ClientSampleId :

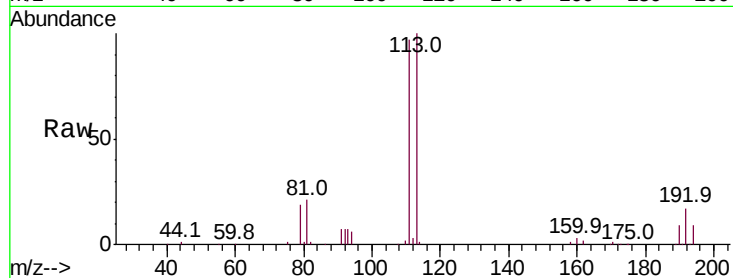
Tot Ion:113 Resp: 71189

Ion Ratio Lower Upper

113 100

111 102.5 83.9 125.9

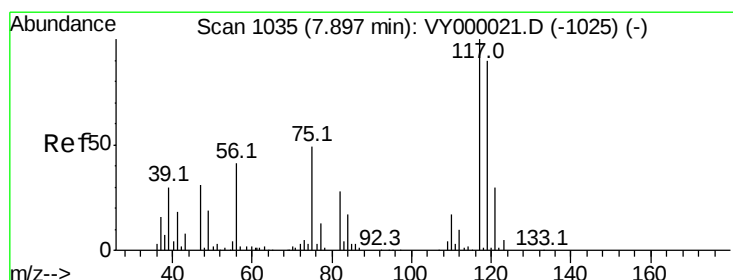
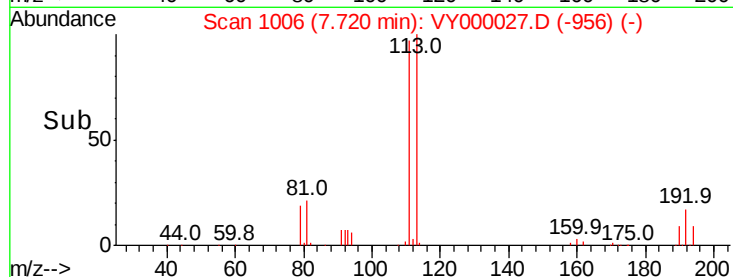
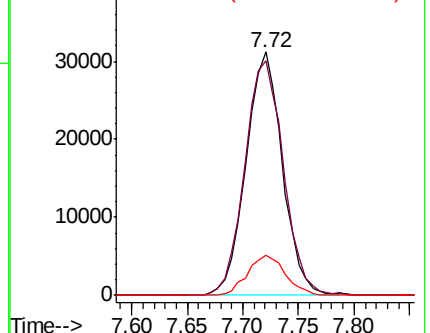
192 17.0 14.5 21.7



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



#38

Carbon Tetrachloride

Concen: 7.851 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

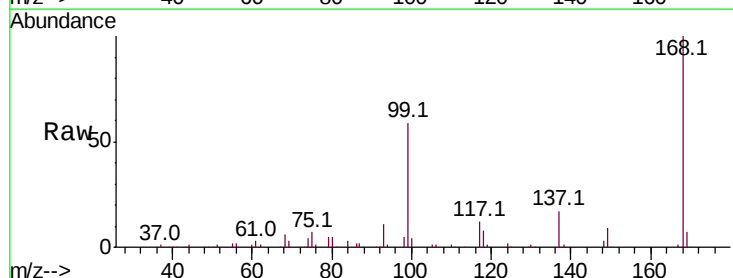
Tgt Ion:117 Resp: 13936

Ion Ratio Lower Upper

117 100

119 5.6 72.1 108.1#

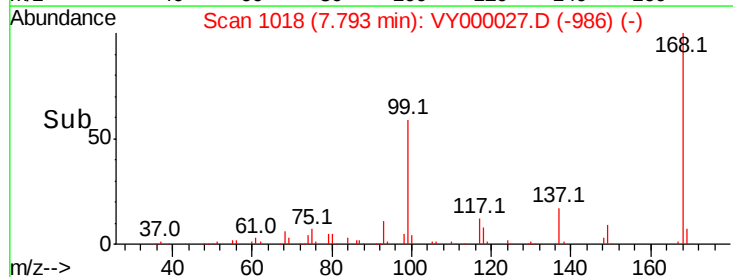
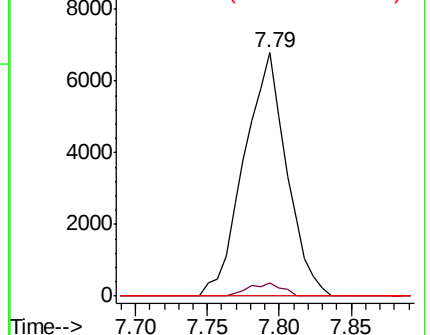
121 0.0 23.9 35.9#

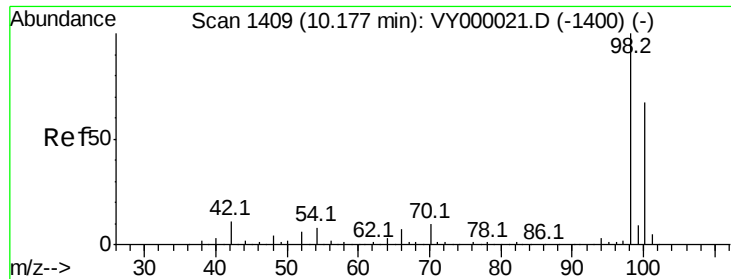


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.759 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

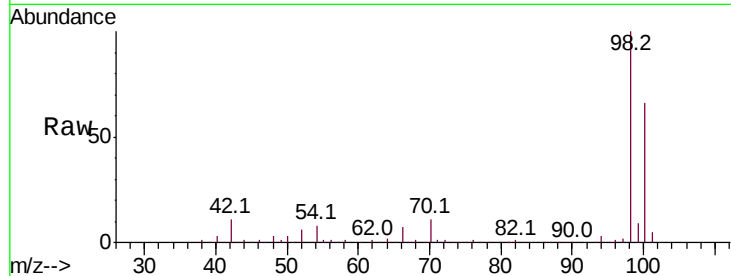
ClientSampleId :

Tot Ion: 98 Resp: 300282

Ion Ratio Lower Upper

98 100

100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VY000021.D (-1400) (-)

Ion 100.00 (99.70 to 100.70): VY000021.D (-1400) (-)

10.18

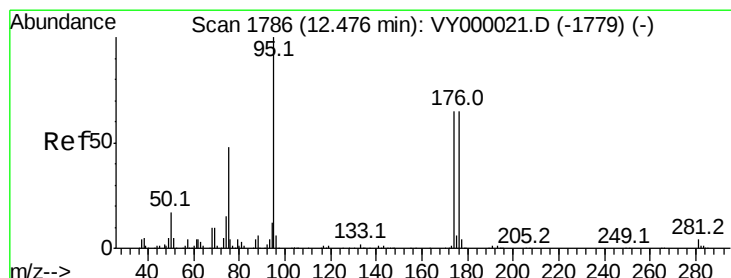
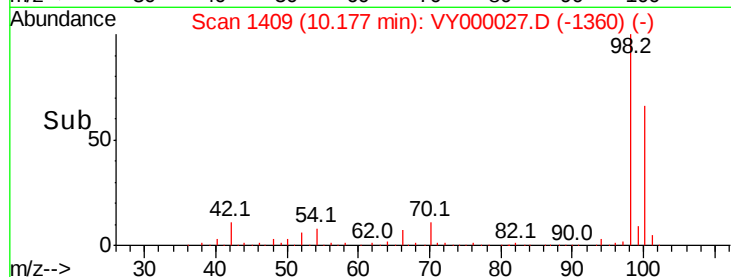
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.042 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

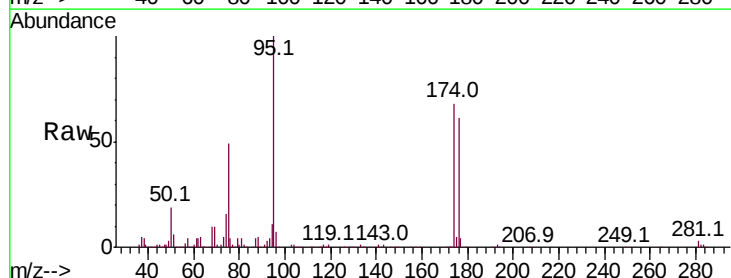
Tgt Ion: 95 Resp: 103301

Ion Ratio Lower Upper

95 100

174 67.4 0.0 137.6

176 64.2 0.0 134.8



Abundance Ion 94.90 (94.60 to 95.60): VY000021.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000021.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000021.D (-1779) (-)

12.48

80000

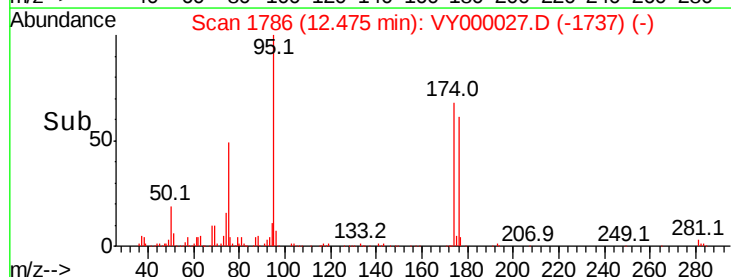
60000

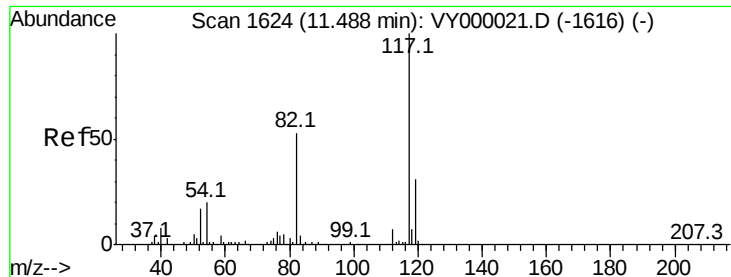
40000

20000

0

Time-->

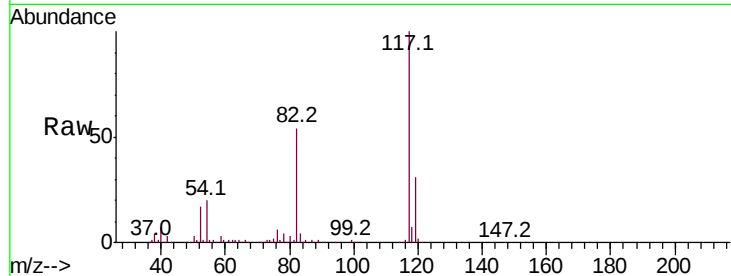




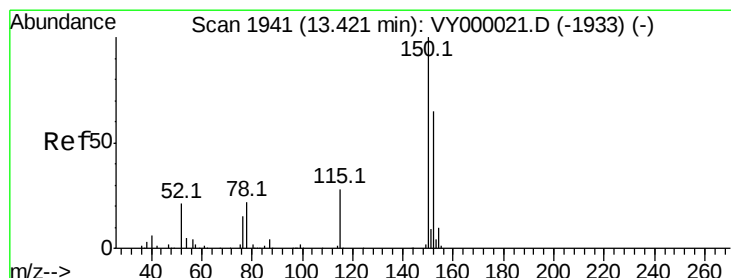
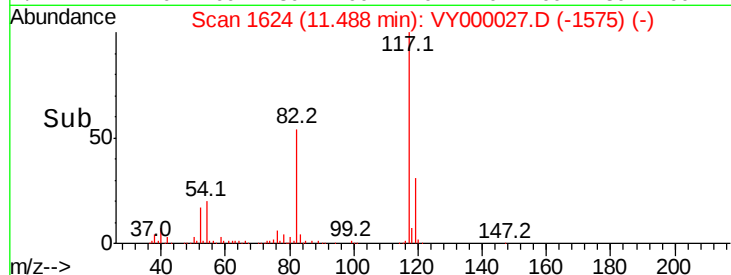
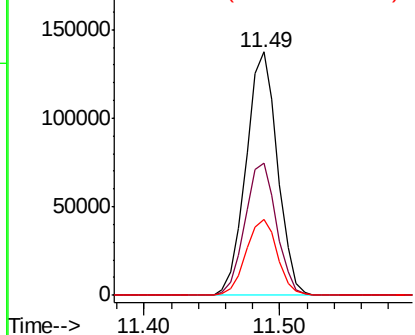
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: VY000027.D
 Acq: 12 Sep 2019 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.5	63.7
119	31.3	25.1	37.7

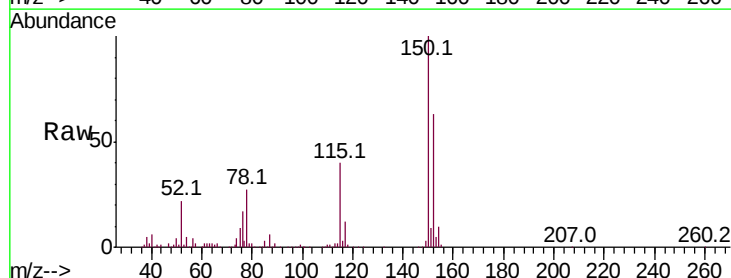


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VY0
 Ion 118.90 (118.60 to 119.60): V

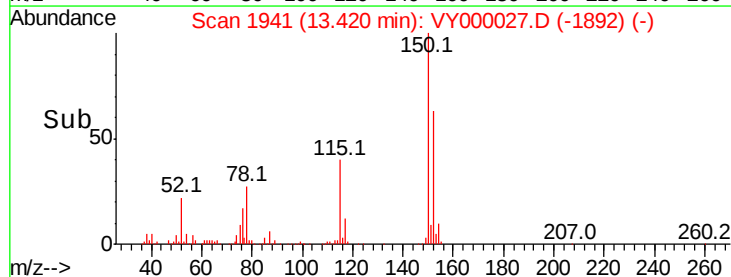
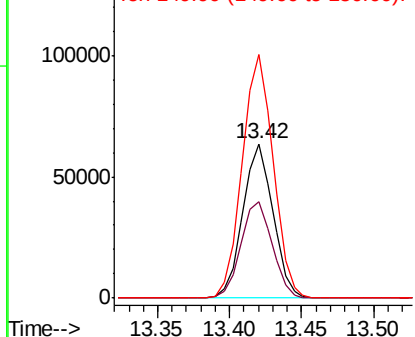


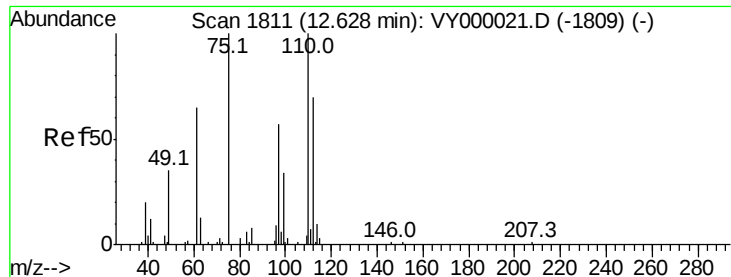
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VY000027.D
 Acq: 12 Sep 2019 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	29.4	88.2
150	162.4	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: 39.580 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

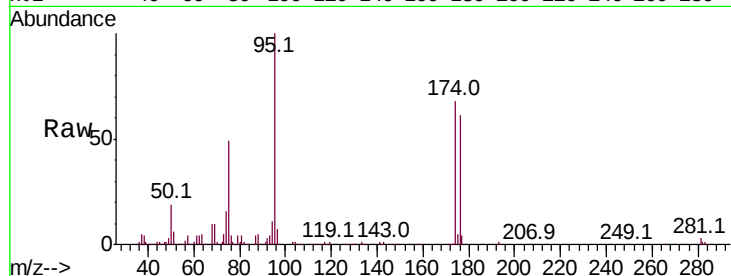
ClientSampleId :

Tot Ion: 75 Resp: 50581

Ion Ratio Lower Upper

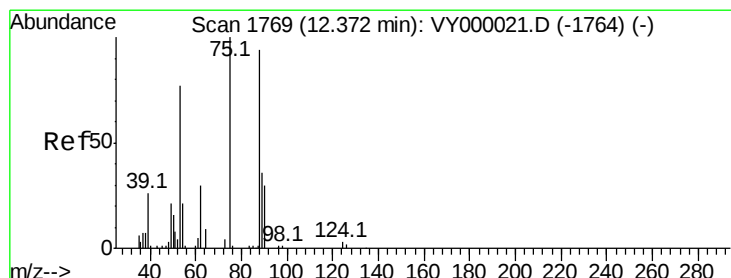
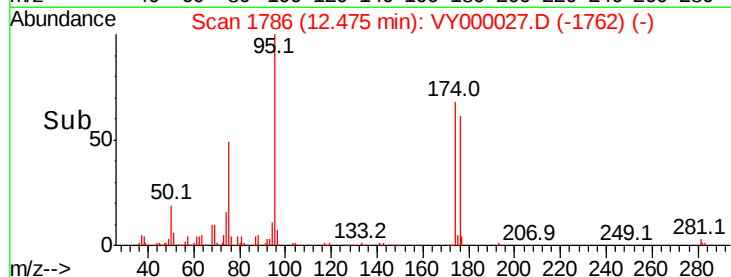
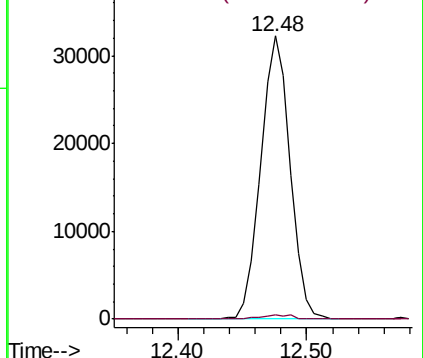
75 100

77 1.6 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: 78.509 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

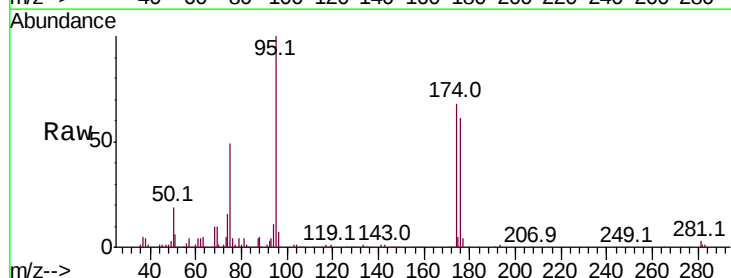
Tgt Ion: 75 Resp: 50581

Ion Ratio Lower Upper

75 100

53 0.3 64.2 96.2#

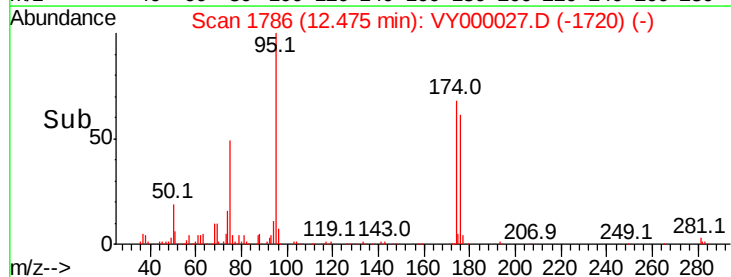
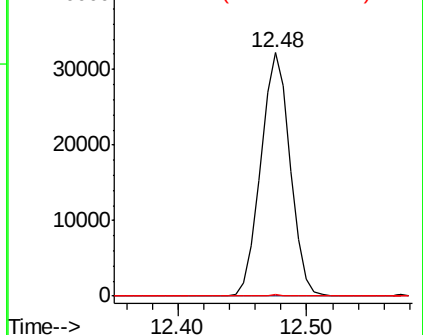
89 0.2 35.5 53.3#

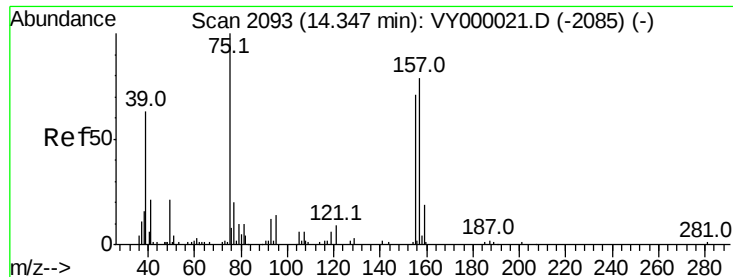


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.37 min Scan# 2096

Delta R.T. 0.02 min

Lab File: VY000027.D

Acq: 12 Sep 2019 15:16

Instrument :

MSVOA_Y

ClientSampleId :

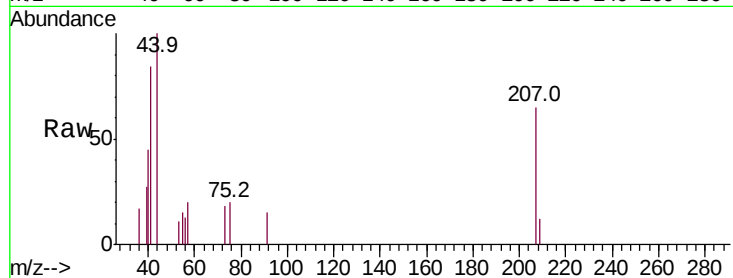
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.3#

157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

