

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000924.D
 Acq On : 09 Dec 2019 19:46
 Operator : SY/MD
 Sample : K6204-12
 Misc : 7.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:26:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	246859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	453999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	411200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	183461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	149169	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	7.72	113	136516	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.18	98	535455	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.47	95	185121	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

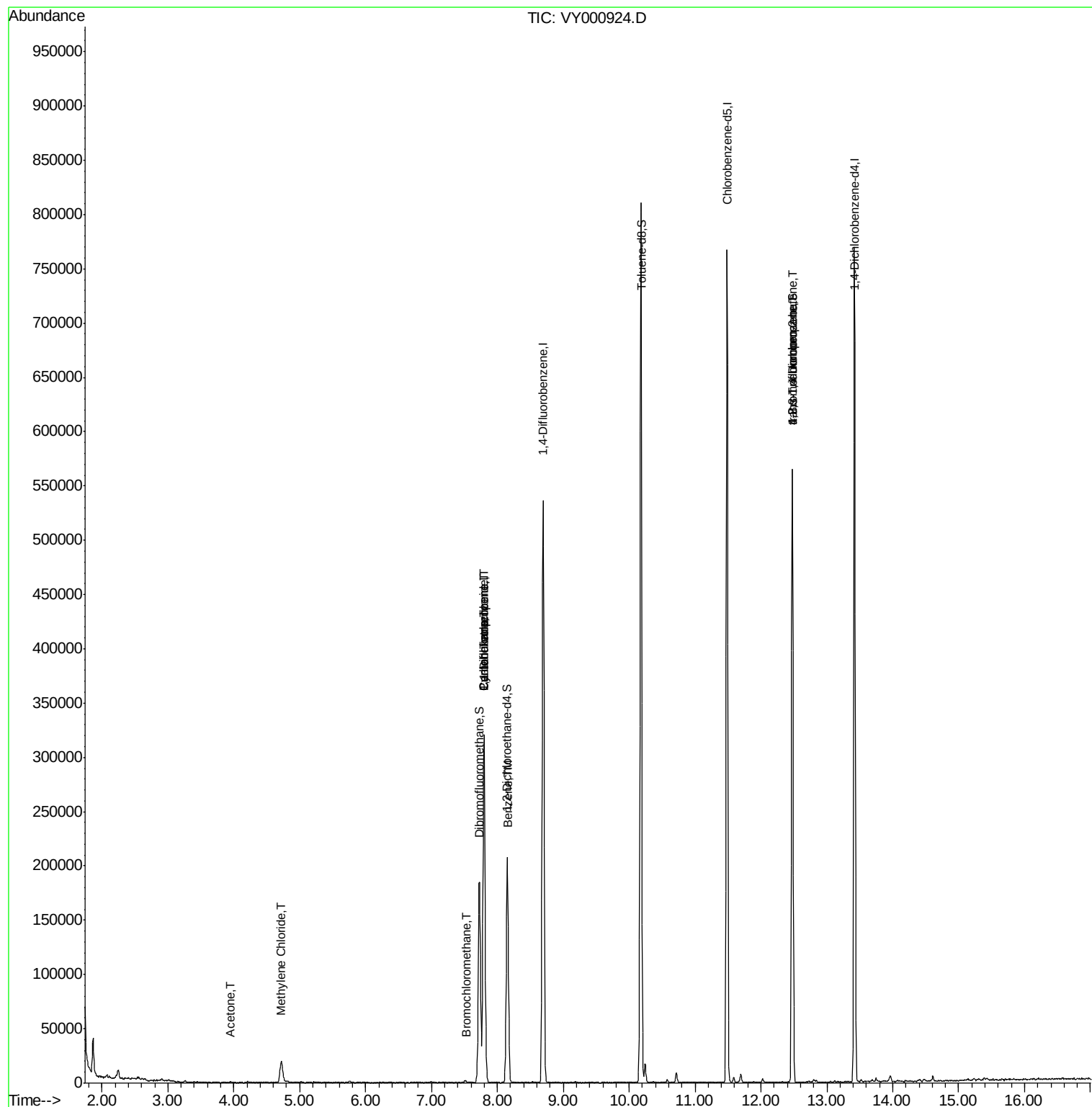
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	269	Below Cal	#	3
16) Acetone	3.95	43	731	1.215	ug/l #	79
20) Methylene Chloride	4.72	84	13524	4.264	ug/l #	86
28) Bromochloromethane	7.54	49	29	2.030	ug/l #	15
31) Cyclohexane	7.80	56	5950	1.068	ug/l #	20
36) 1,1-Dichloropropene	7.80	75	19893	4.407	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23637	5.880	ug/l #	16
40) Benzene	8.16	78	16372	1.245	ug/l	93
76) 1,2,3-Trichloropropane	12.47	75	94857	45.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	94857	89.640	ug/l #	17

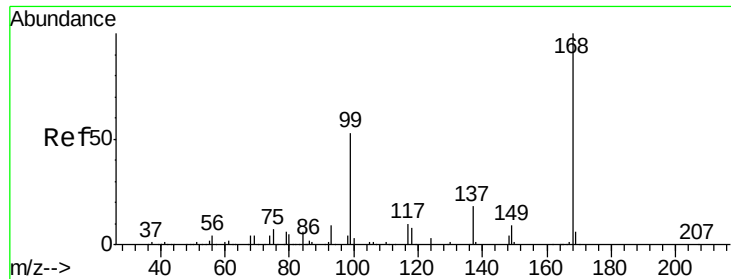
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

Instrument :

MSVOA_Y

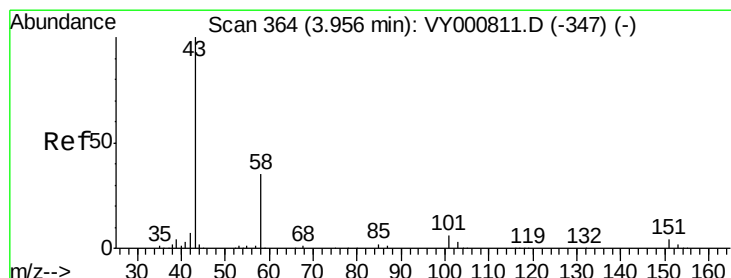
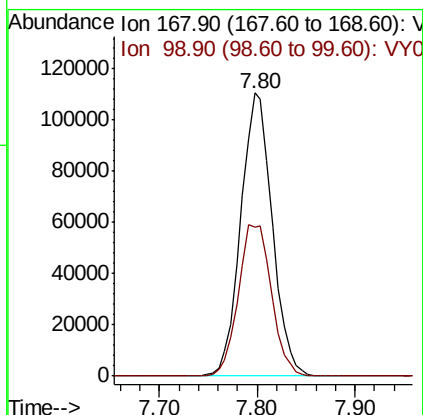
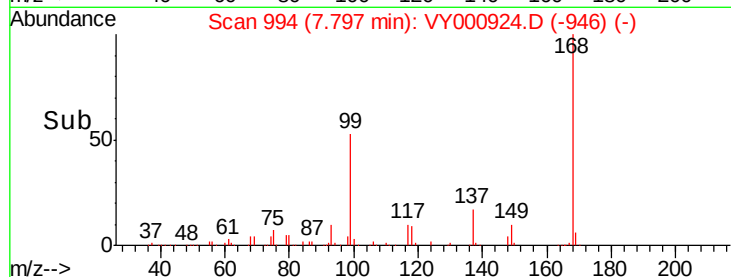
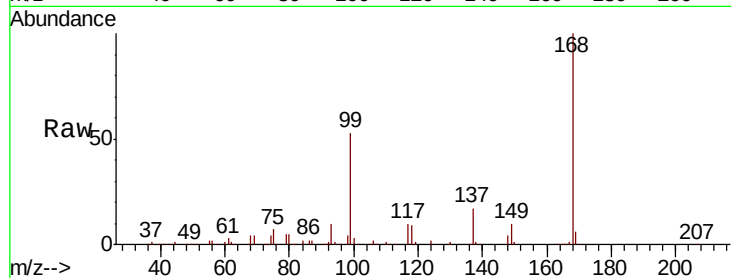
ClientSampleId :

Tot Ion:168 Resp: 246859

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.6



#16

Acetone

Concen: 1.215 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000924.D

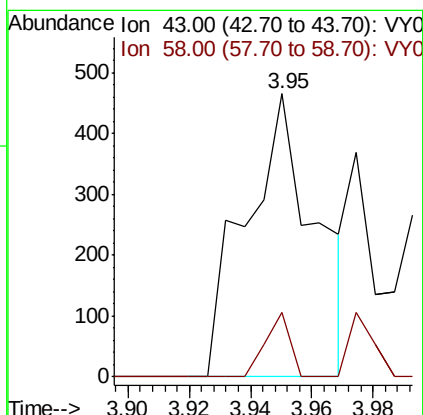
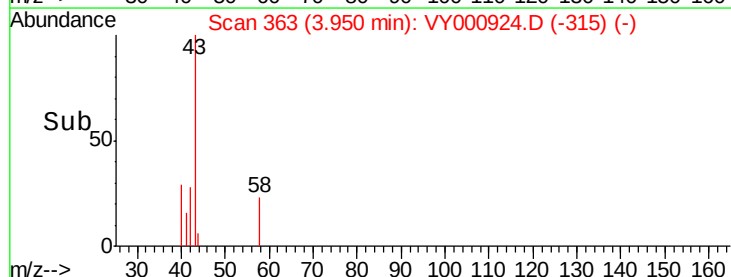
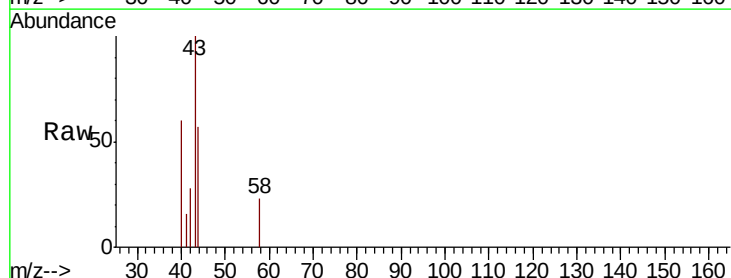
Acq: 09 Dec 2019 19:46

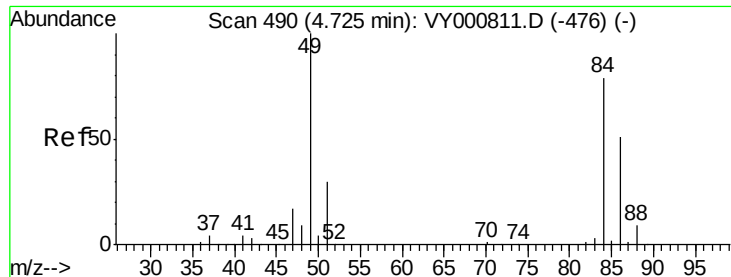
Tgt Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

58 22.8 28.0 42.0#

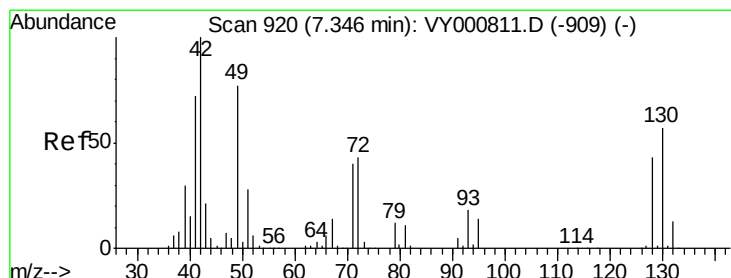
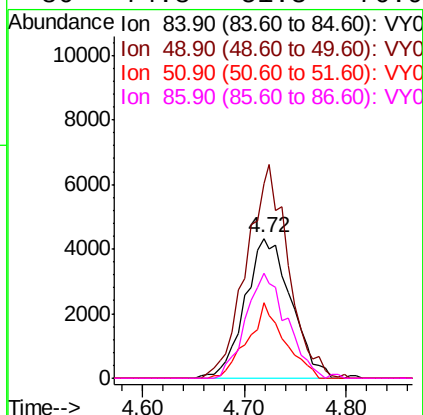
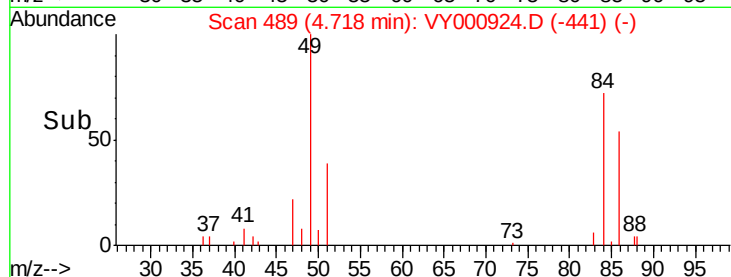
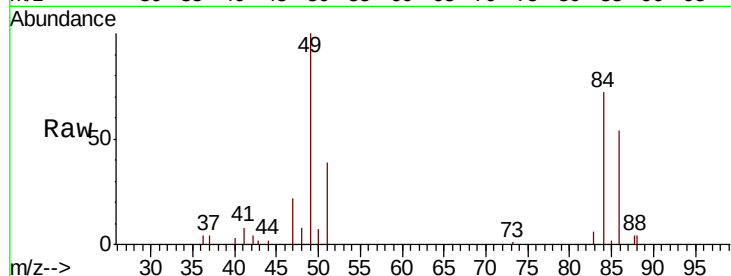




#20
Methylene Chloride
Concen: 4.264 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

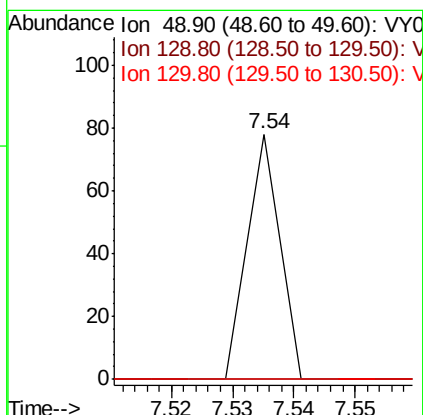
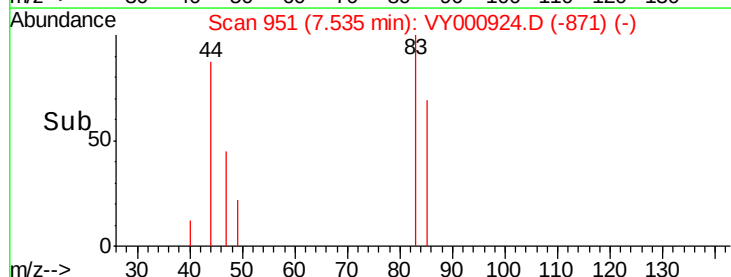
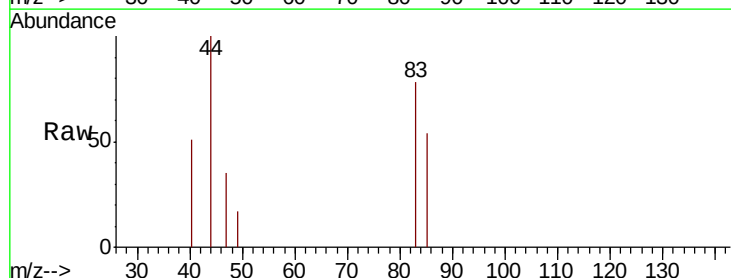
Instrument :
MSVOA_Y
ClientSampled :

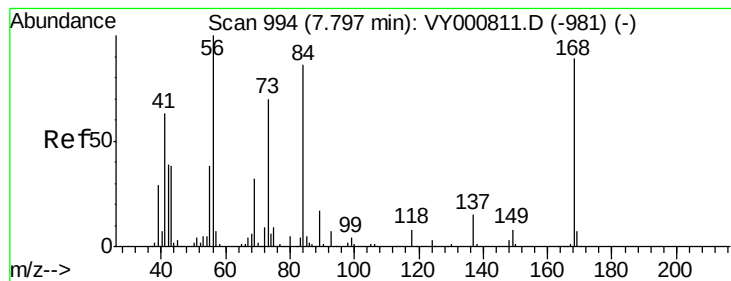
Tot Ion: 84 Resp: 13524
Ion Ratio Lower Upper
84 100
49 138.9 101.3 151.9
51 54.2 30.6 45.8#
86 74.8 51.3 76.9



#28
Bromochloromethane
Concen: 2.030 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.19 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

Tgt Ion: 49 Resp: 29
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#





#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampled :

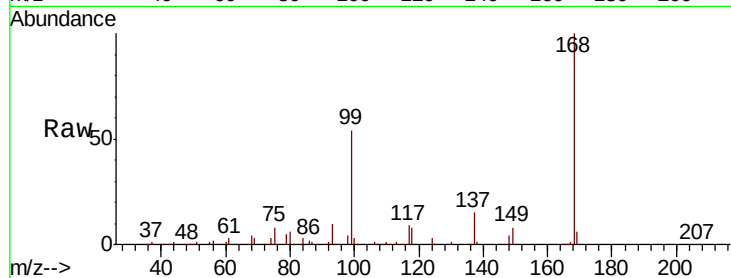
Tot Ion: 56 Resp: 5950

Ion Ratio Lower Upper

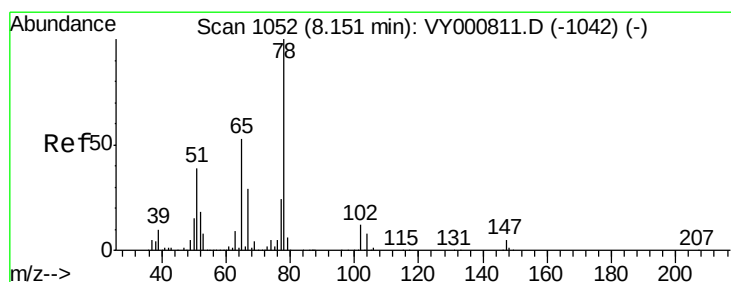
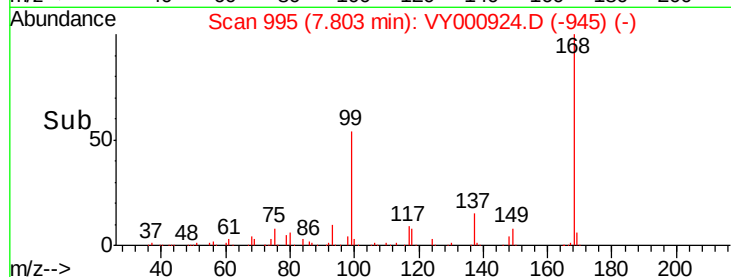
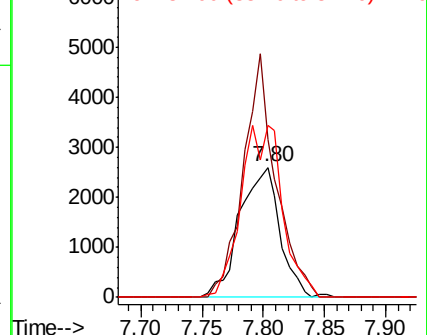
56 100

69 121.2 25.9 38.9#

84 132.4 68.6 102.8#



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: 56.868 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000924.D

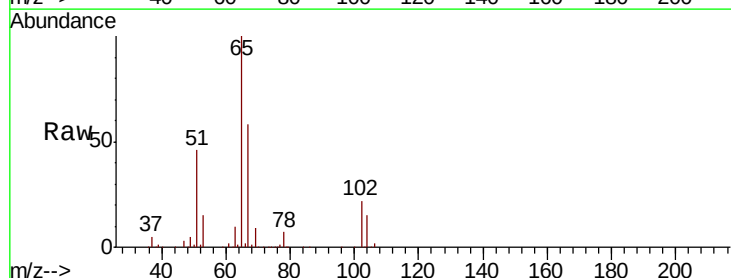
Acq: 09 Dec 2019 19:46

Tgt Ion: 65 Resp: 149169

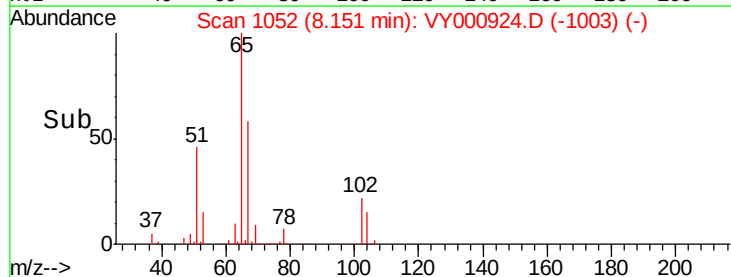
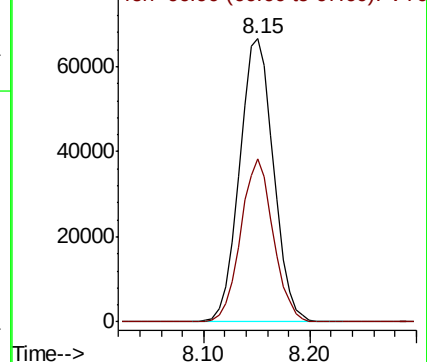
Ion Ratio Lower Upper

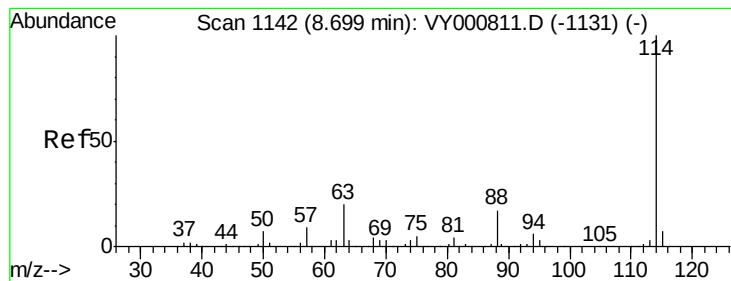
65 100

67 55.2 0.0 112.0



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# 1141

Delta R.T. -0.01 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

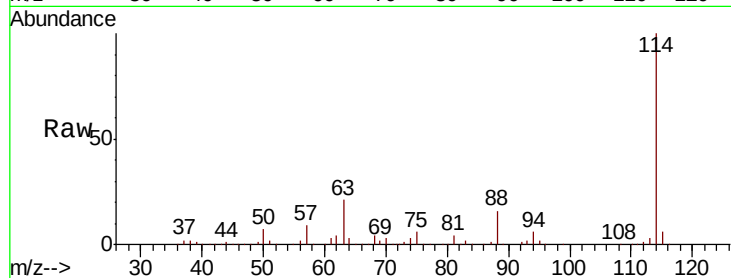
Tot Ion:114 Resp: 453999

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

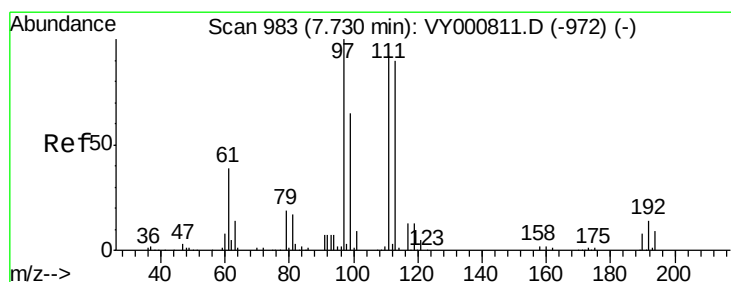
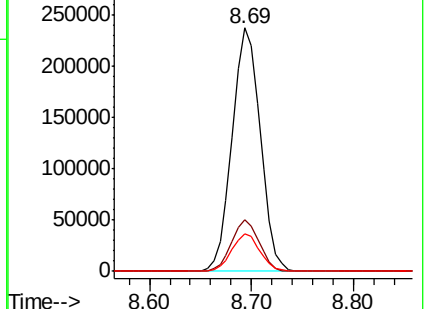
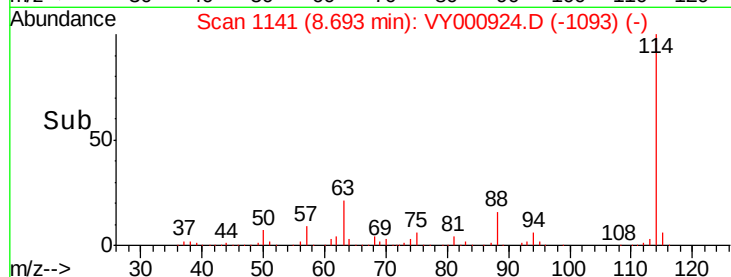
88 15.5 0.0 33.2



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: 51.595 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

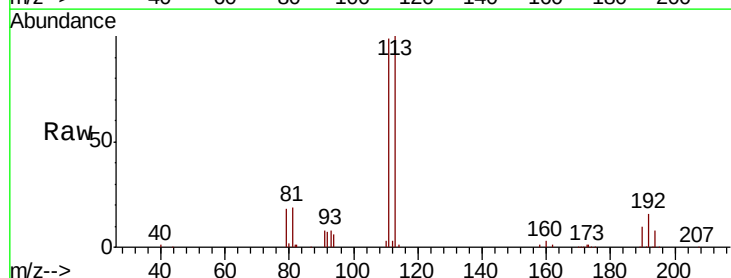
Tgt Ion:113 Resp: 136516

Ion Ratio Lower Upper

113 100

111 98.6 82.4 123.6

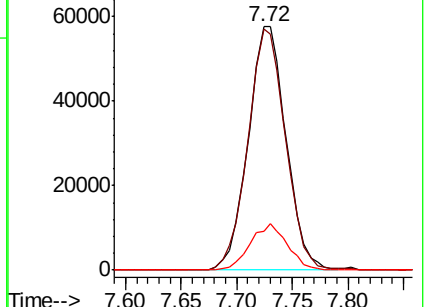
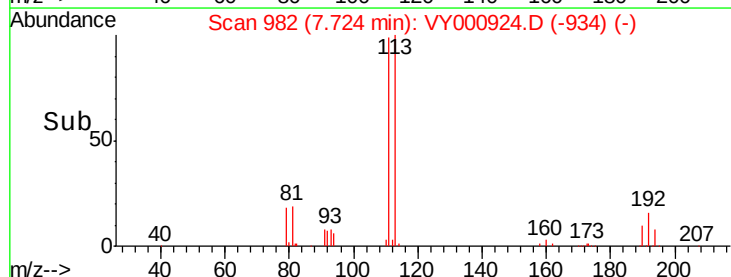
192 18.6 14.2 21.2

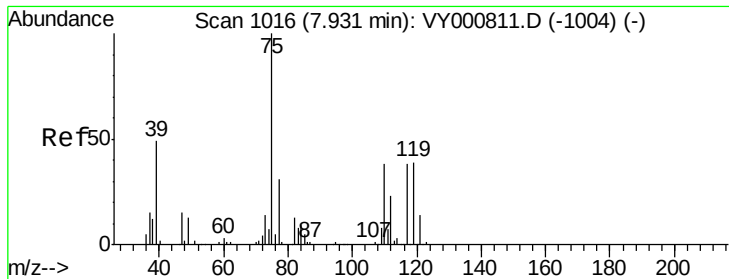


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

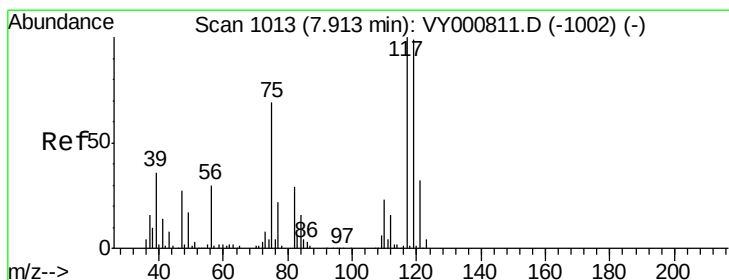
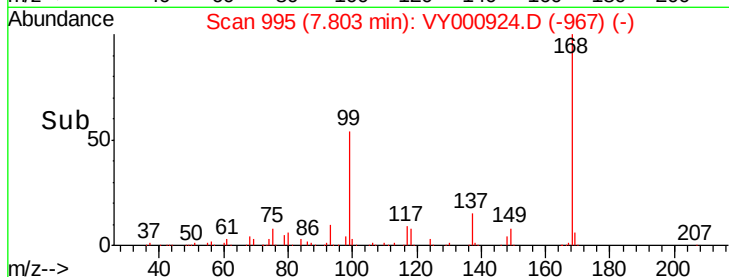
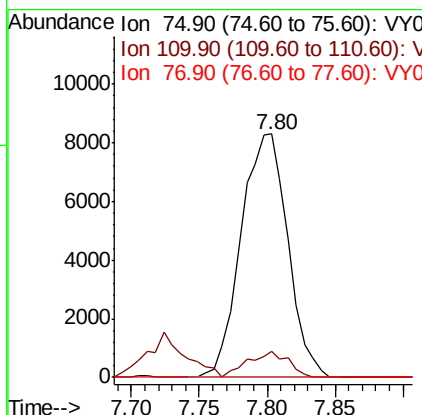
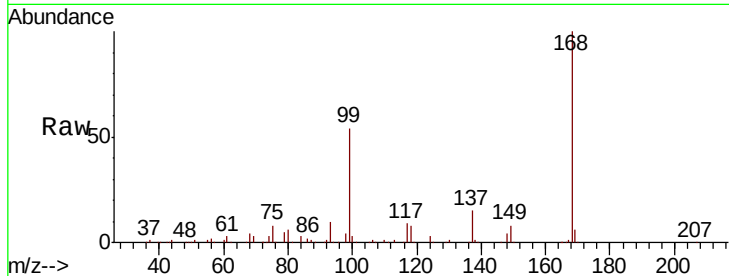




#36
 1,1-Dichloropropene
 Concen: 4.407 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000924.D
 Acq: 09 Dec 2019 19:46

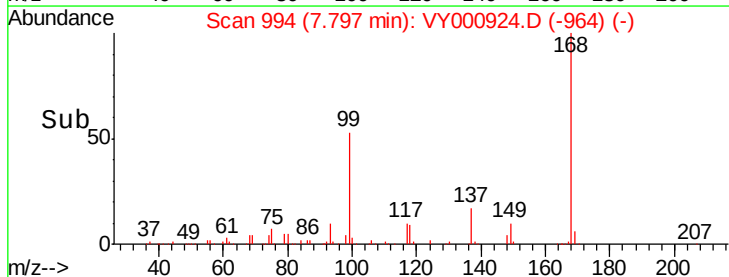
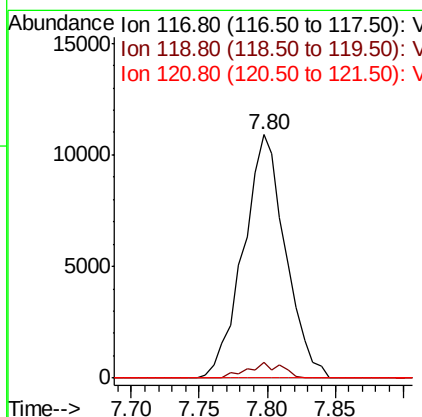
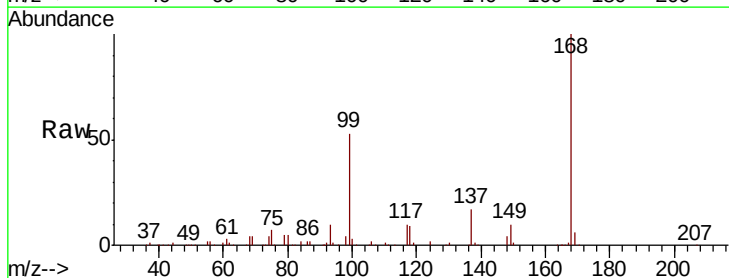
Instrument :
 MSVOA_Y
 ClientSampled :

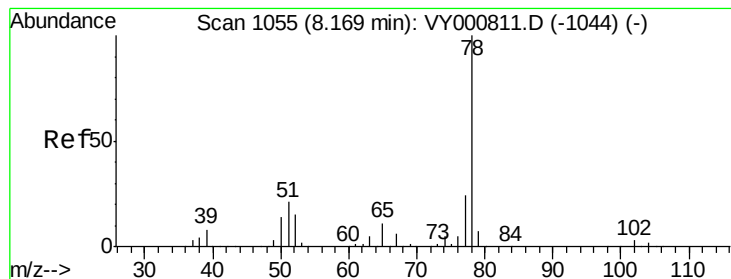
Tot Ion	75	Resp	19893
Ion Ratio	Lower	Upper	
75	100		
110	9.3	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.880 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000924.D
 Acq: 09 Dec 2019 19:46

Tgt Ion	117	Resp	23637
Ion Ratio	Lower	Upper	
117	100		
119	6.4	79.3	118.9#
121	0.0	25.5	38.3#





#40

Benzene

Concen: 1.245 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

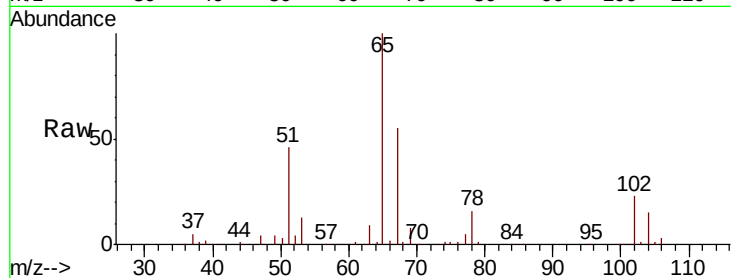
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 78 Resp: 16372

Ion Ratio Lower Upper

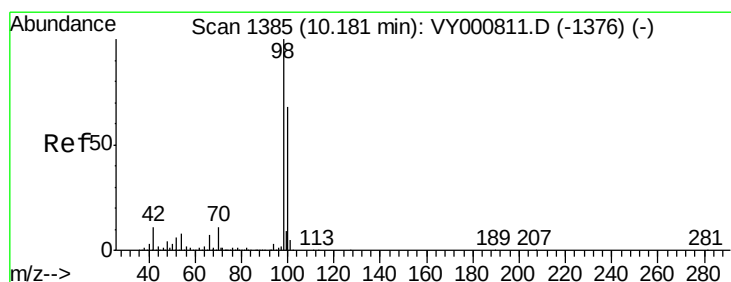
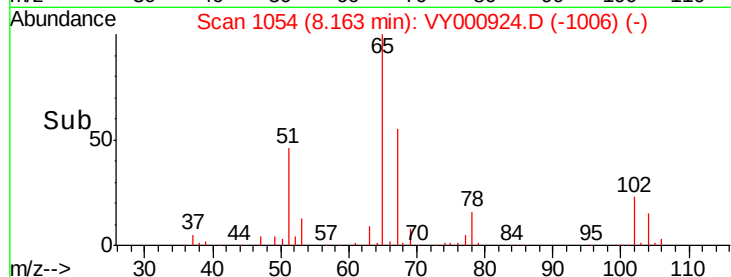
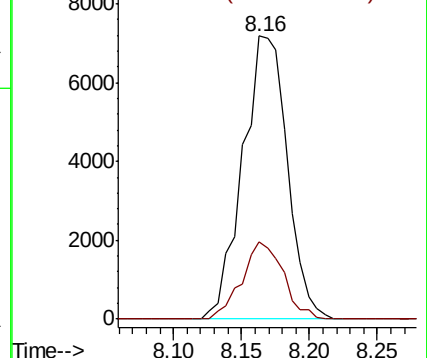
78 100

77 27.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#50

Toluene-d8

Concen: 50.619 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000924.D

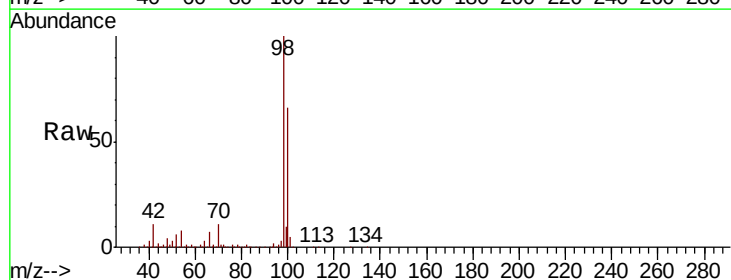
Acq: 09 Dec 2019 19:46

Tgt Ion: 98 Resp: 535455

Ion Ratio Lower Upper

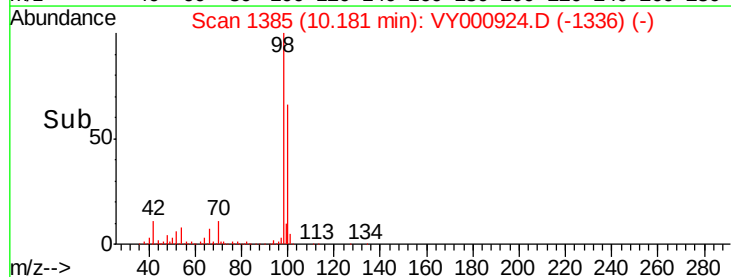
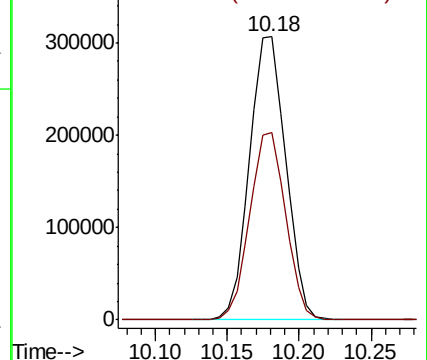
98 100

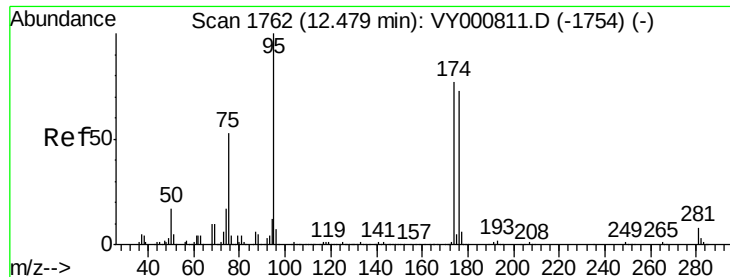
100 65.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

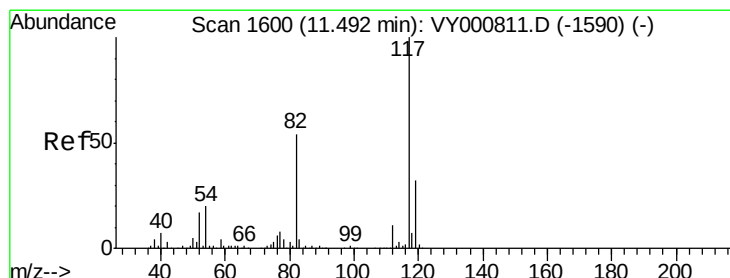
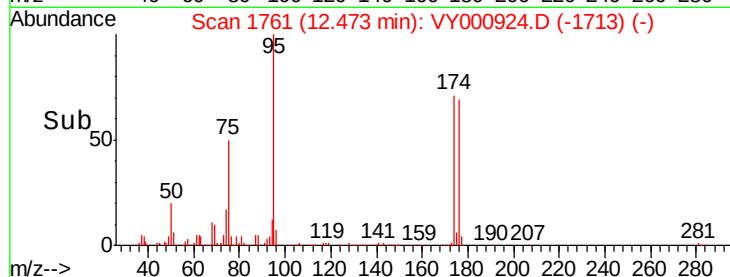
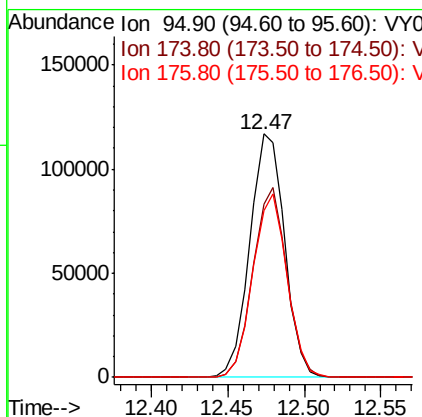
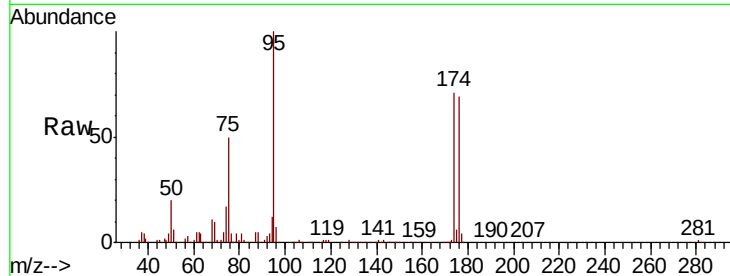




#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

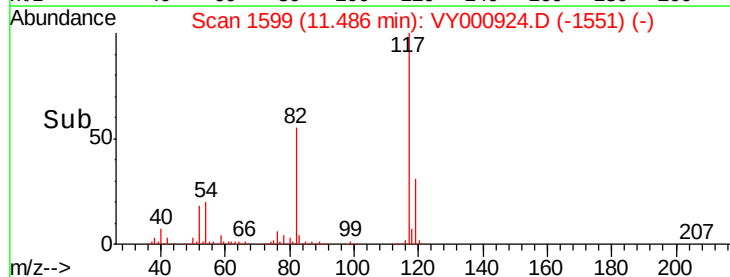
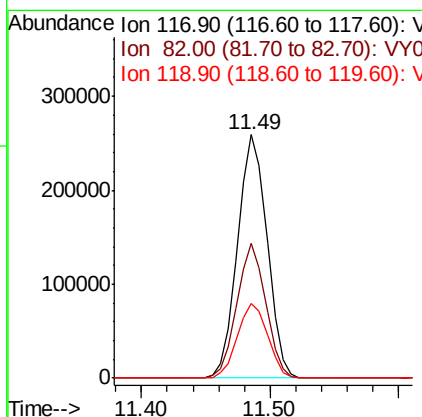
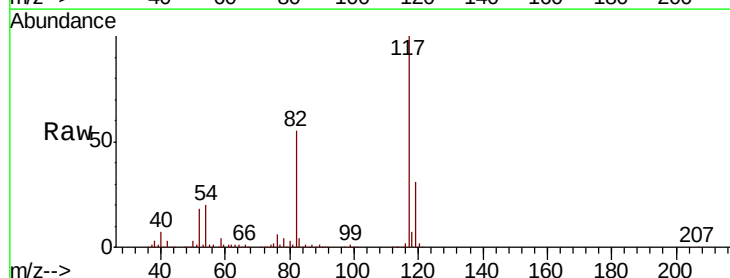
Instrument :
MSVOA_Y
ClientSampleId :

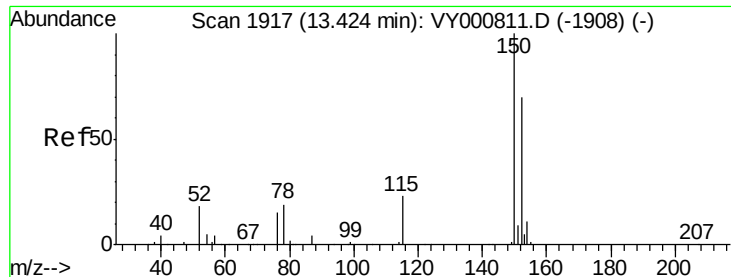
Tot Ion	95	Resp	185121
Ion Ratio	Lower	Upper	
95	100		
174	76.1	0.0	150.6
176	74.2	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

Tgt Ion	117	Resp	411200
Ion Ratio	Lower	Upper	
117	100		
82	55.4	43.1	64.7
119	30.8	25.3	37.9



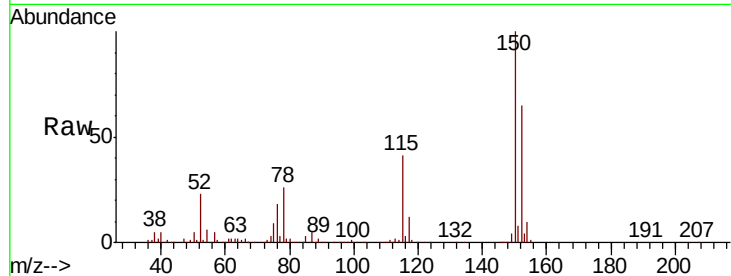


#72

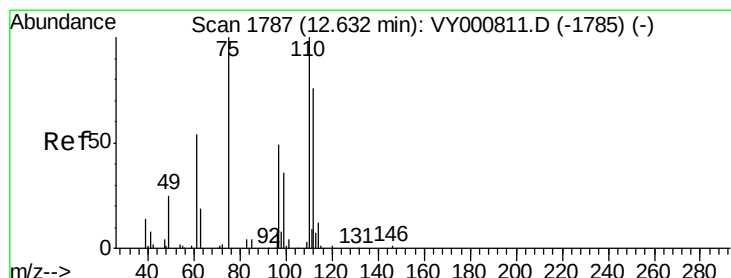
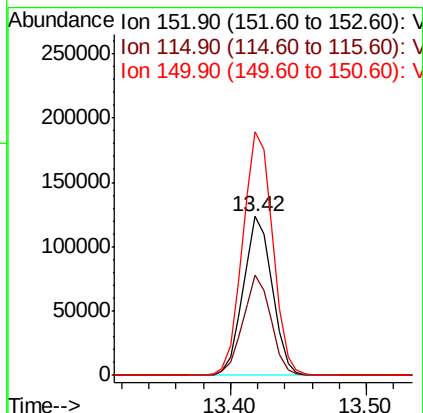
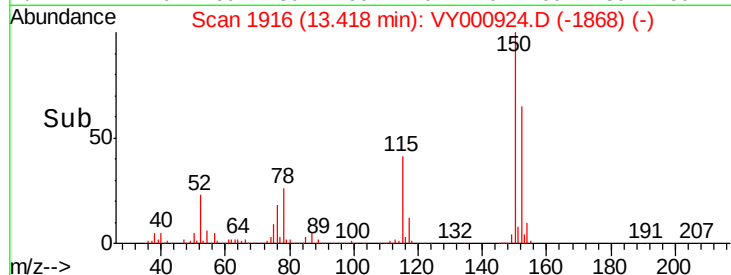
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.3	87.8
150	158.5	0.0	351.2



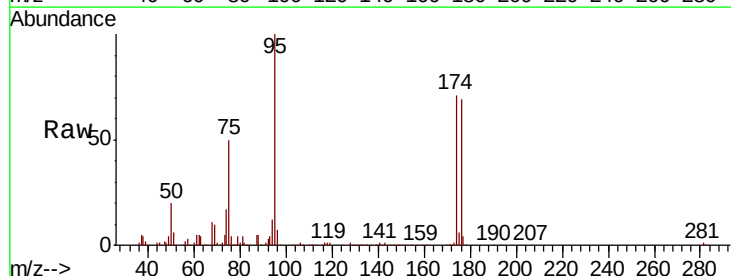
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



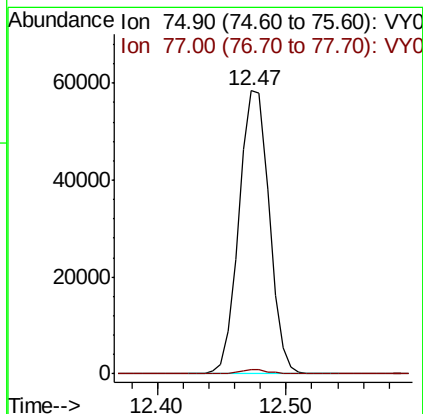
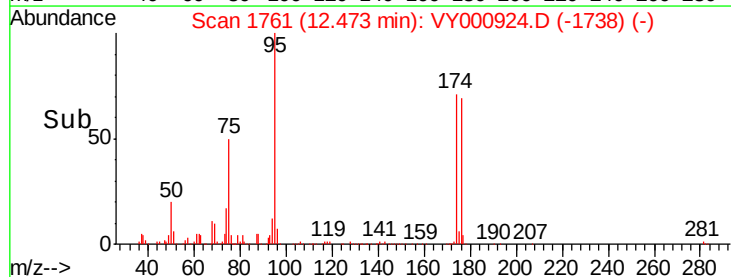
#76

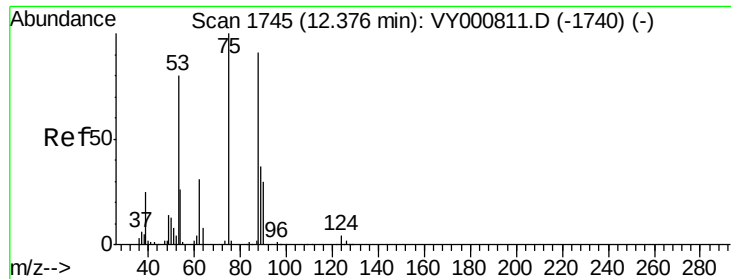
1,2,3-Trichloropropane
Concen: 45.635 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.16 min
Lab File: VY000924.D
Acq: 09 Dec 2019 19:46

Tgt 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: 89.640 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000924.D

Acq: 09 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 94857

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#

