

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000822.D
 Acq On : 27 Nov 2019 16:24
 Operator : SY/MD
 Sample : K6069-03
 Misc : 5.94G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 22:09:33 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	241279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	454064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	395353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167695	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	156203	60.93	ug/l	0.00
Spiked Amount			Recovery	=	121.86%	
35) Dibromofluoromethane	7.73	113	133590	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.18	98	541131	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.48	95	172388	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	

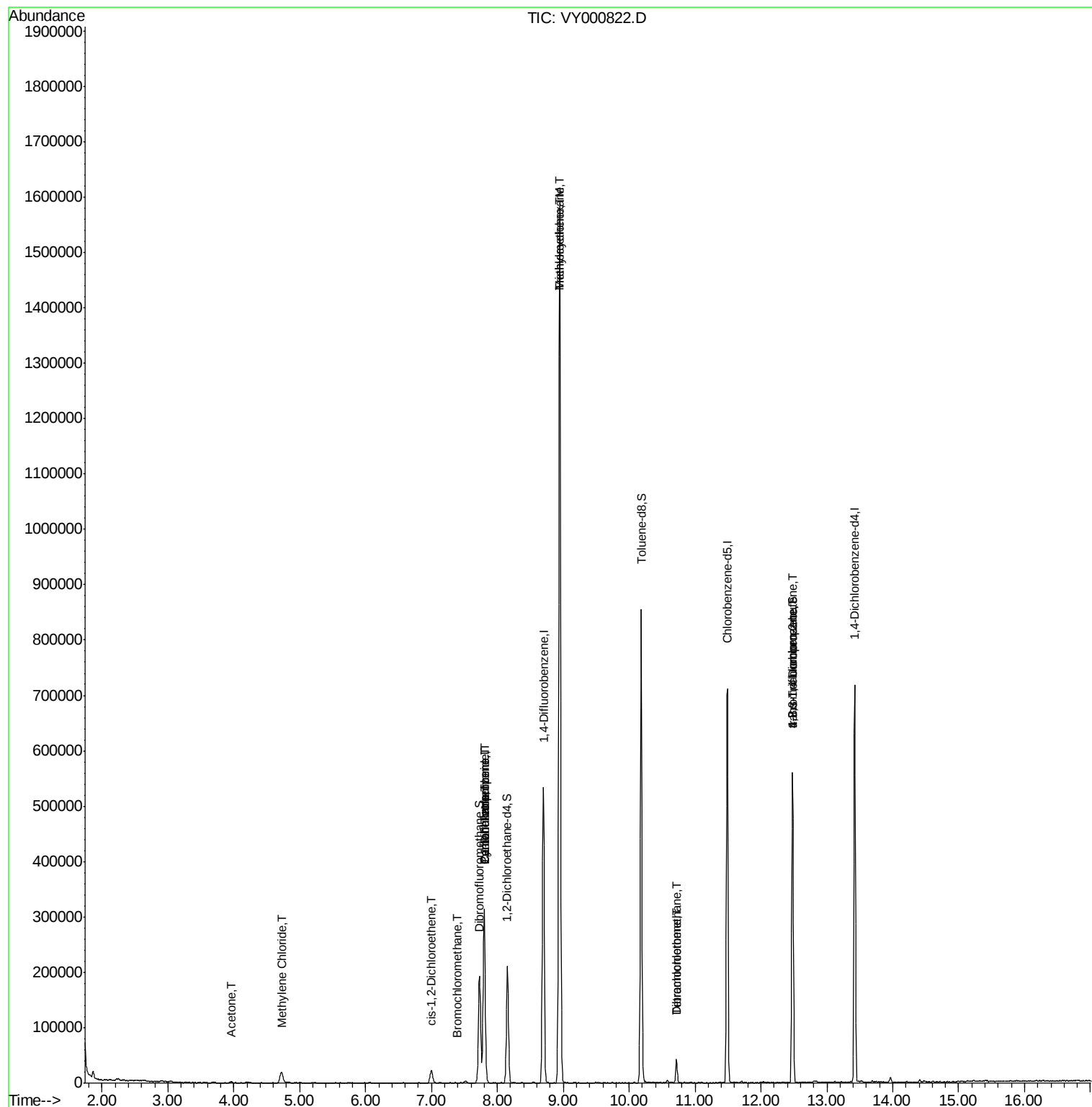
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	191	Below Cal	#	49
16) Acetone	3.96	43	3577	6.082	ug/l	92
20) Methylene Chloride	4.73	84	14919	4.812	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	13664	4.204	ug/l	89
28) Bromochloromethane	7.39	49	19	2.025	ug/l #	15
31) Cyclohexane	7.80	56	6035	1.109	ug/l #	24
36) 1,1-Dichloropropene	7.80	75	19780	4.381	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24855	6.182	ug/l #	13
39) Methylcyclohexane	8.94	83	7274	1.216	ug/l #	1
44) Trichloroethene	8.94	130	544037	160.972	ug/l	97
60) Dibromochloromethane	10.72	129	8019	2.921	ug/l #	11
64) Tetrachloroethene	10.72	164	8879	2.585	ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	91913	48.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91913	95.024	ug/l #	17

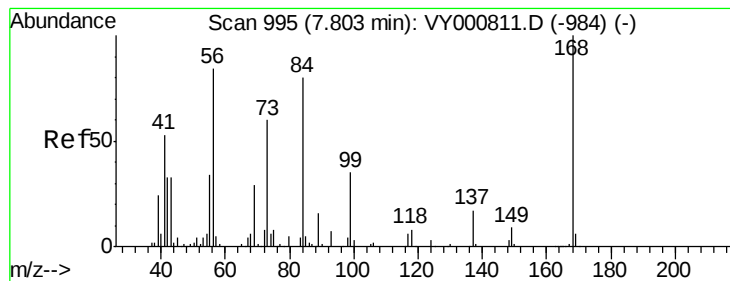
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 12:40:47 2019
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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: VY000822.D

Acq: 27 Nov 2019 16:24

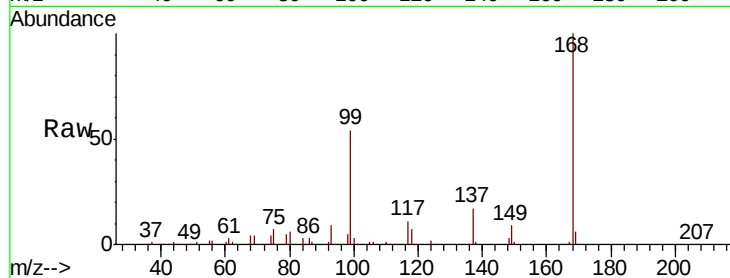
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 241279

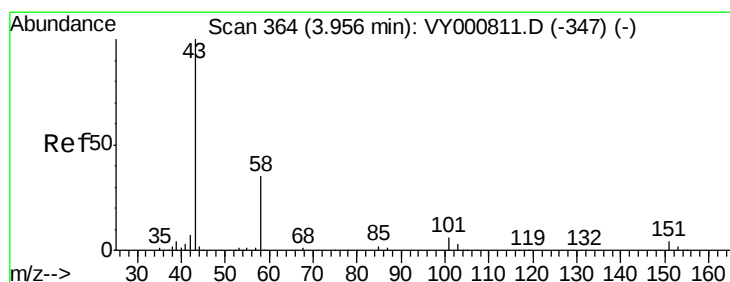
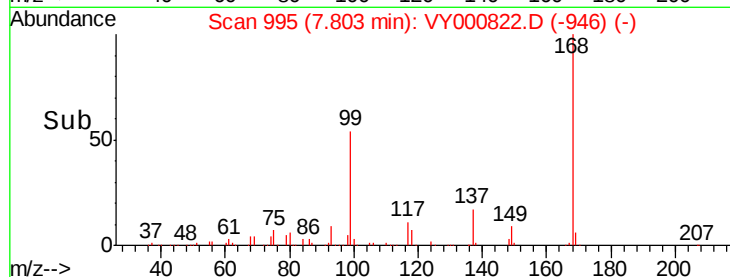
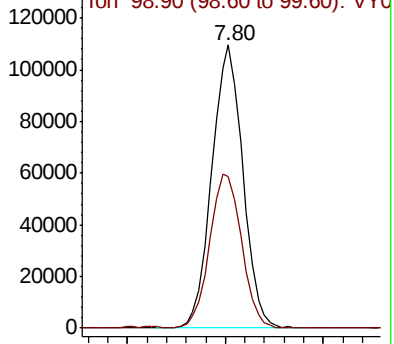
Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000822.D (-946) (-)



#16

Acetone

Concen: 6.082 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000822.D

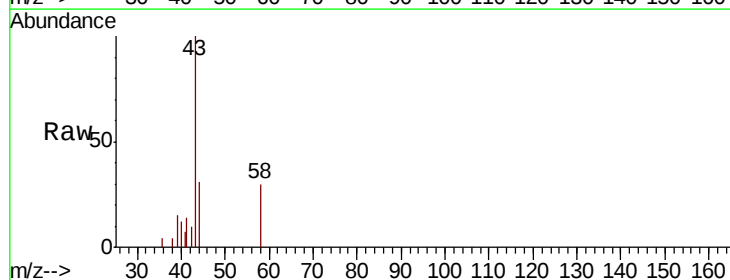
Acq: 27 Nov 2019 16:24

Tgt Ion: 43 Resp: 3577

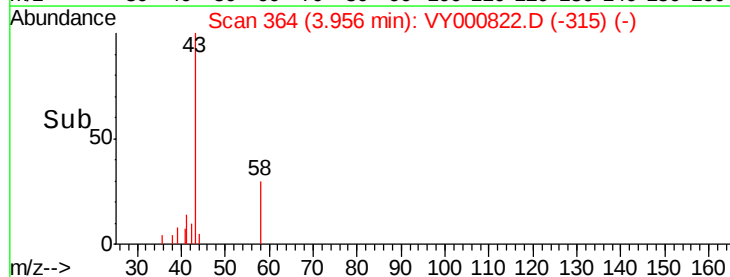
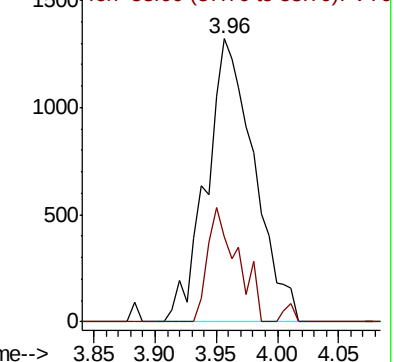
Ion Ratio Lower Upper

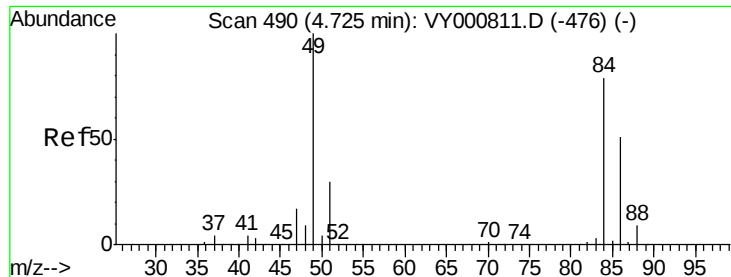
43 100

58 30.2 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000822.D (-315) (-)

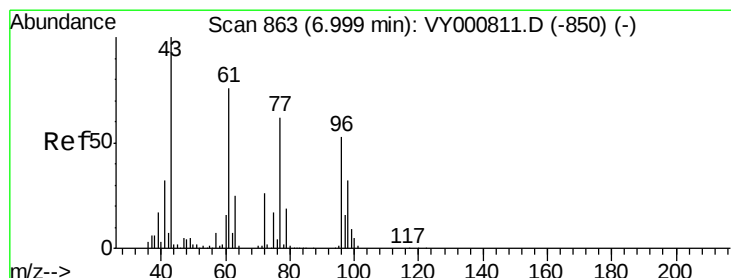
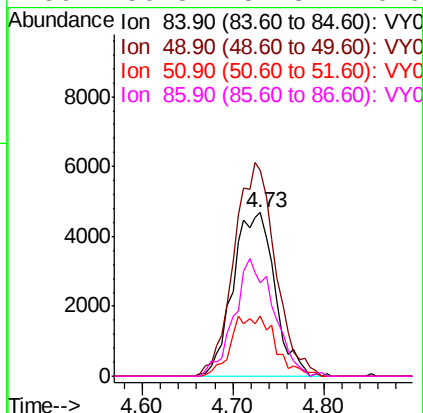
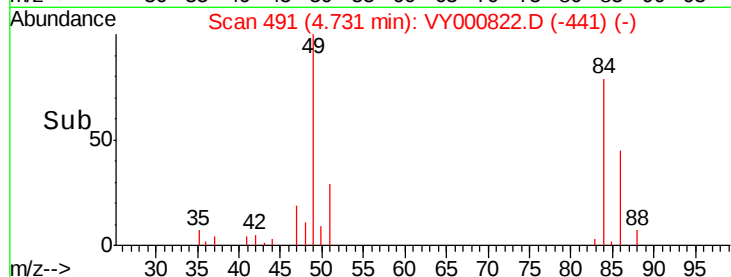
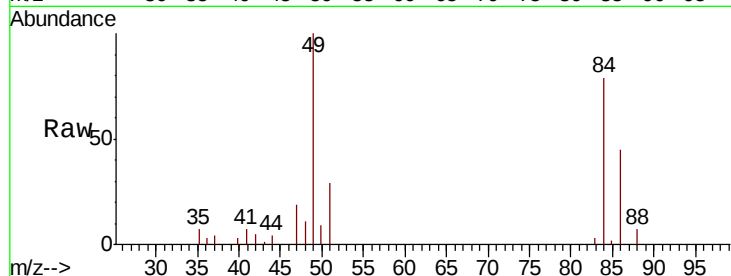




#20
Methylene Chloride
Concen: 4.812 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

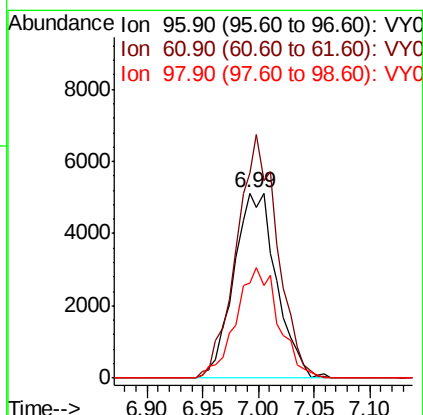
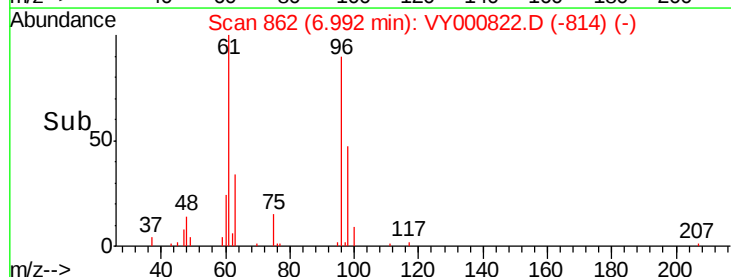
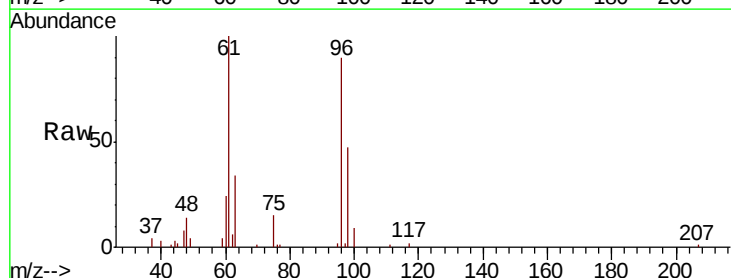
Instrument :
MSVOA_Y
ClientSampleId :

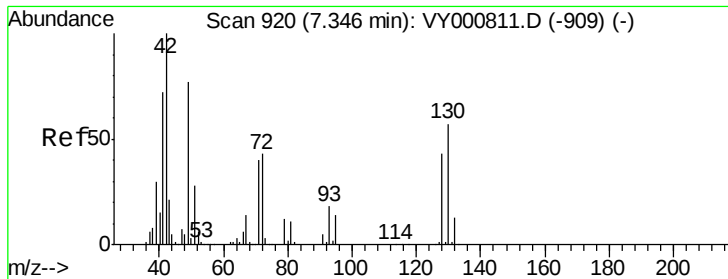
Tot Ion: 84 Resp: 14919
Ion Ratio Lower Upper
84 100
49 125.9 101.3 151.9
51 37.0 30.6 45.8
86 56.8 51.3 76.9



#27
cis-1,2-Dichloroethene
Concen: 4.204 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Tgt Ion: 96 Resp: 13664
Ion Ratio Lower Upper
96 100
61 125.2 0.0 285.0
98 59.9 0.0 128.0





#28

Bromochloromethane

Concen: 2.025 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.05 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

Instrument :
MSVOA_Y
ClientSampleId :

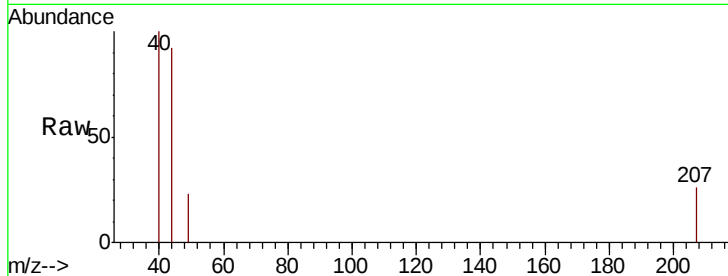
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

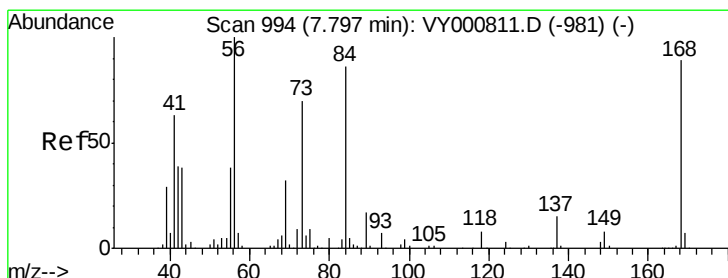
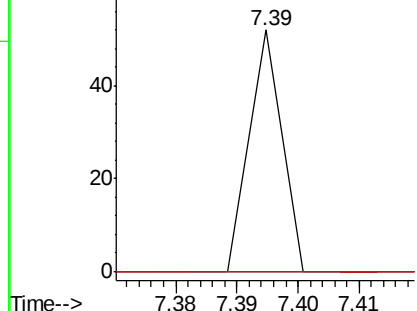
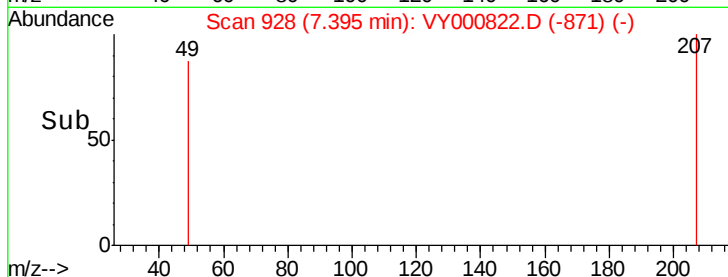
49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

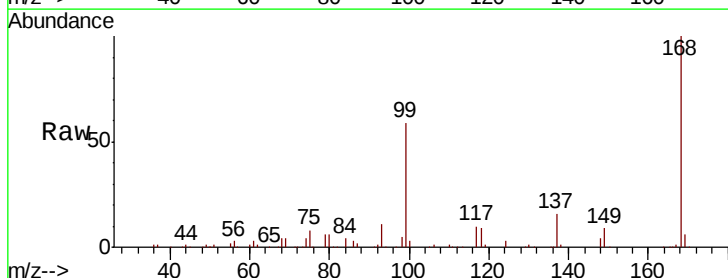
Tgt Ion: 56 Resp: 6035

Ion Ratio Lower Upper

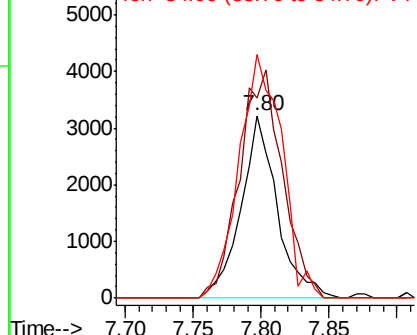
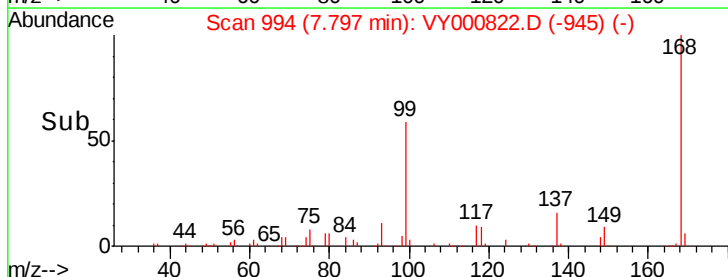
56 100

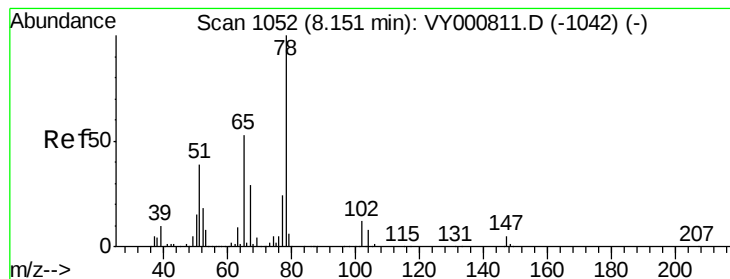
69 110.1 25.9 38.9#

84 133.7 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: 60.927 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

Instrument :

MSVOA_Y

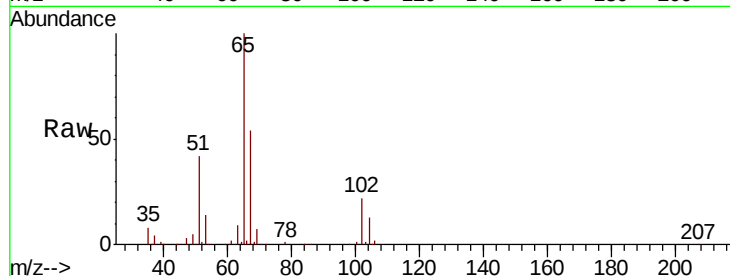
ClientSampleId :

Tot Ion: 65 Resp: 156203

Ion Ratio Lower Upper

65 100

67 55.5 0.0 112.0



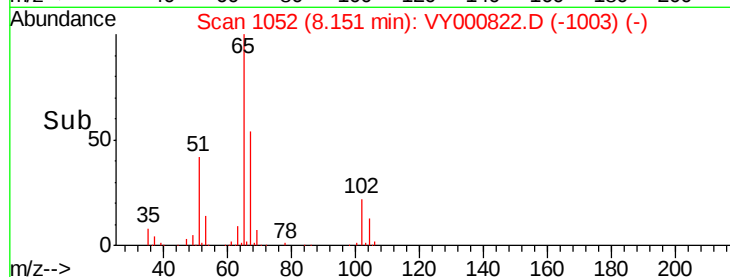
Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

8.20

Time-->



Abundance

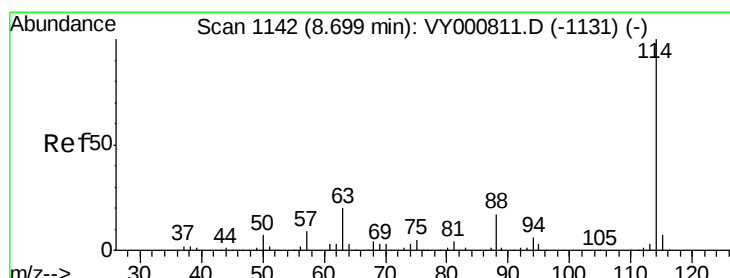
Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

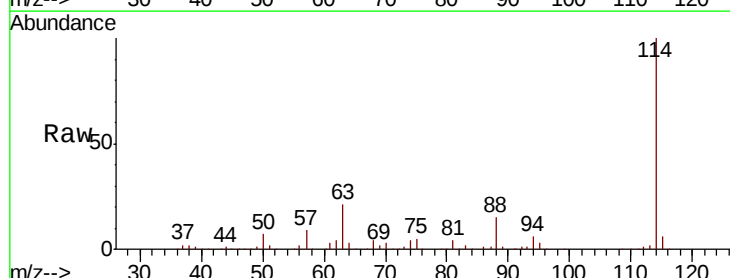
Tgt Ion: 114 Resp: 454064

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

88 15.0 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

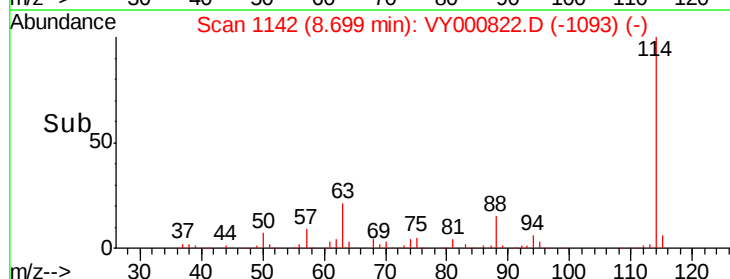
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.70

8.80

Time-->



Abundance

Ion 113.90 (113.60 to 114.60): V

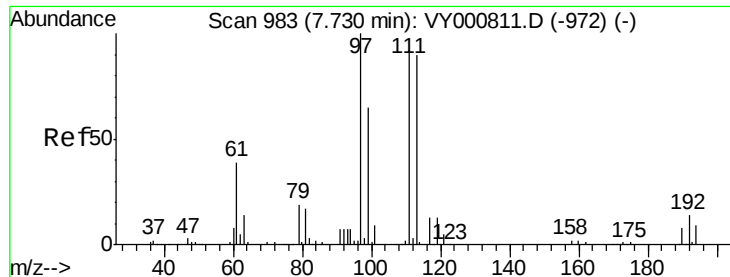
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.70

8.80

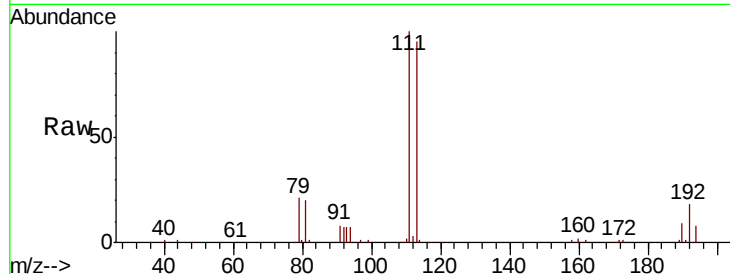
Time-->



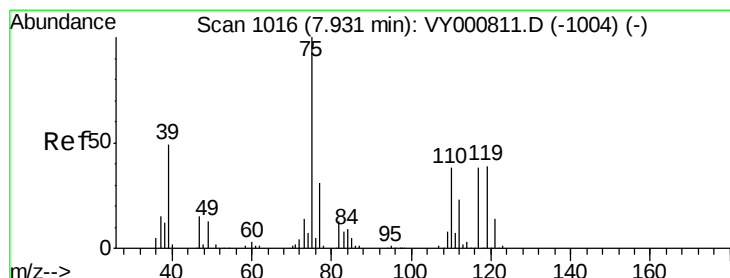
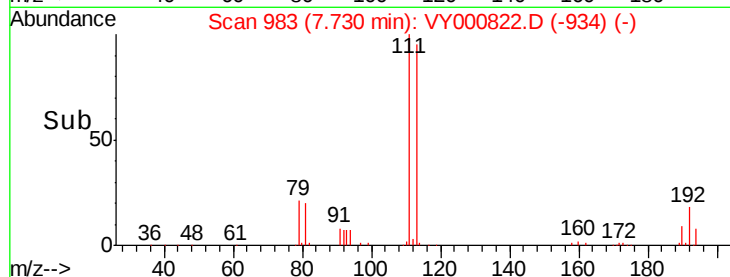
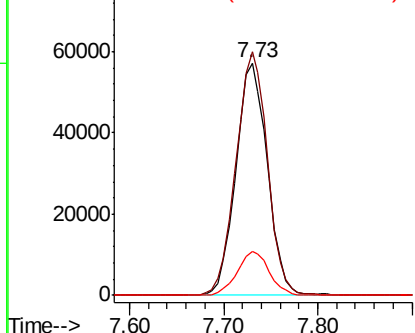
#35
Dibromofluoromethane
Concen: 50.482 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:113 Resp: 133590
Ion Ratio Lower Upper
113 100
111 104.6 82.4 123.6
192 19.2 14.2 21.2

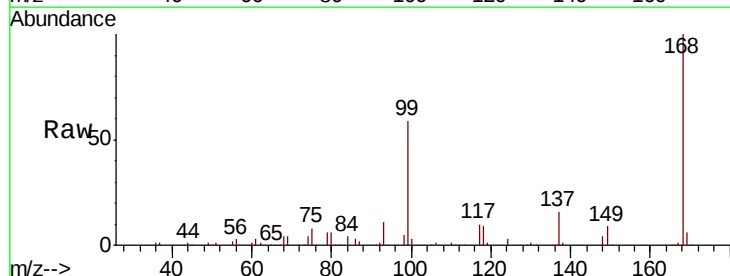


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

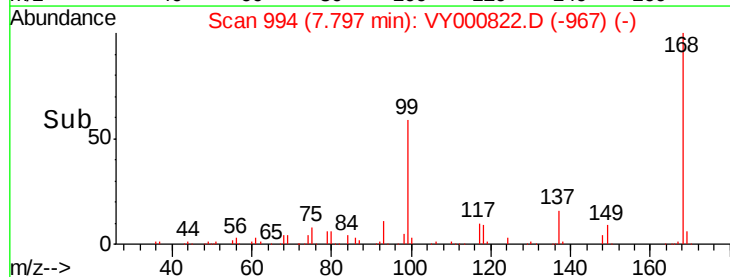
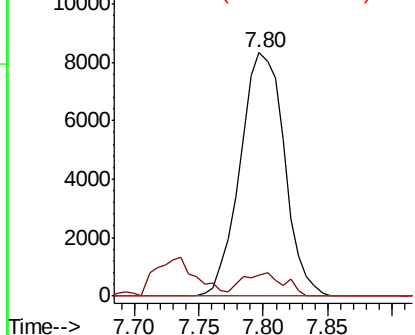


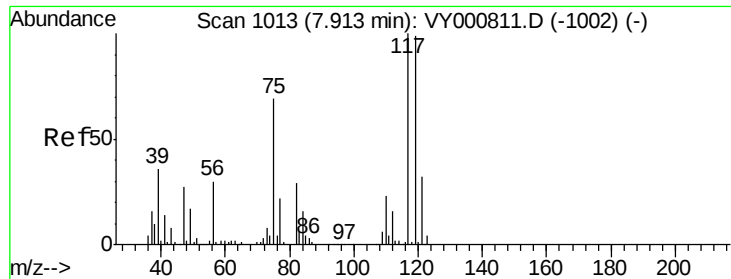
#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Tgt Ion: 75 Resp: 19780
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.7#
77 0.0 24.7 37.1#



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





#38

Carbon Tetrachloride

Concen: 6.182 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

Instrument :

MSVOA_Y

ClientSampleId :

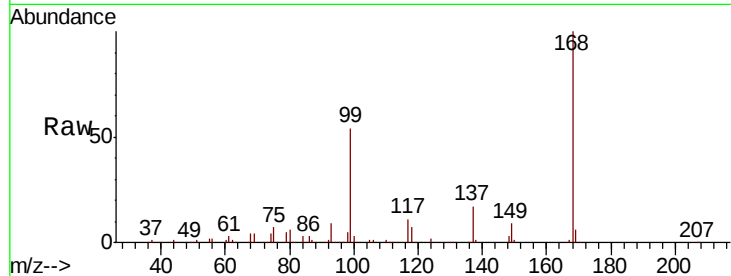
Tot Ion:117 Resp: 24855

Ion Ratio Lower Upper

117 100

119 3.1 79.3 118.9#

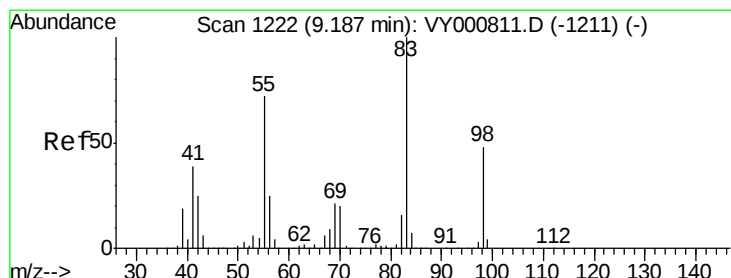
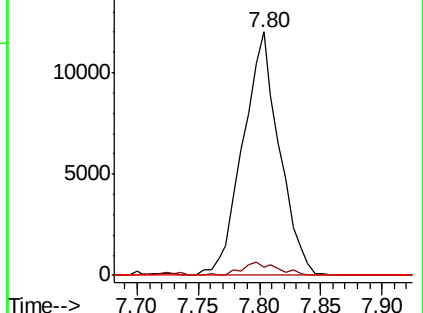
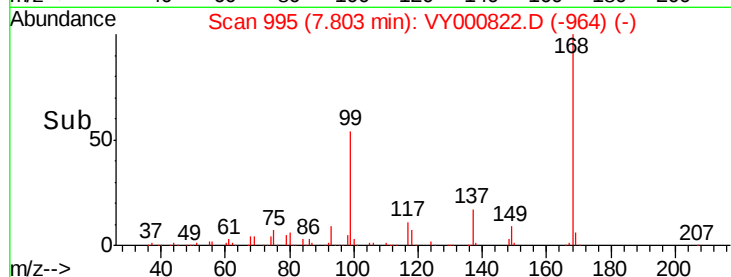
121 0.0 25.5 38.3#



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



#39

Methylcyclohexane

Concen: 1.216 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.24 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

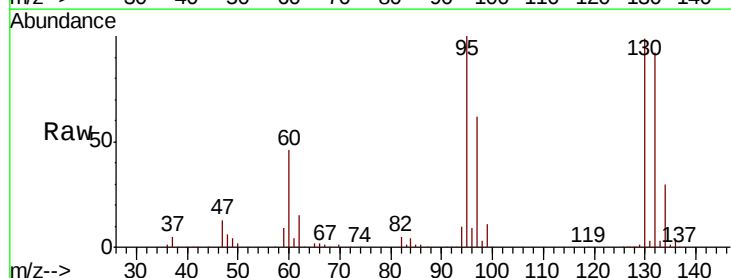
Tgt Ion: 83 Resp: 7274

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

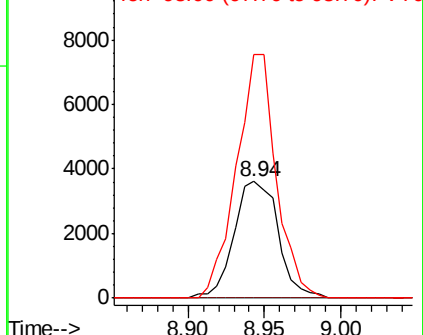
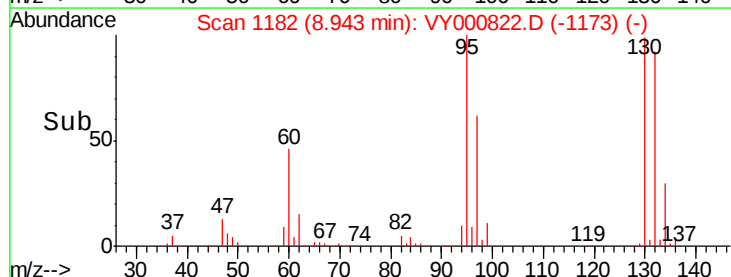
98 209.2 38.6 58.0#

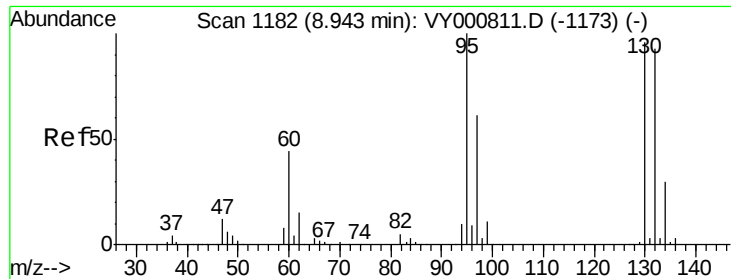


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#44

Trichloroethene

Concen: 160.972 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

Instrument :

MSVOA_Y

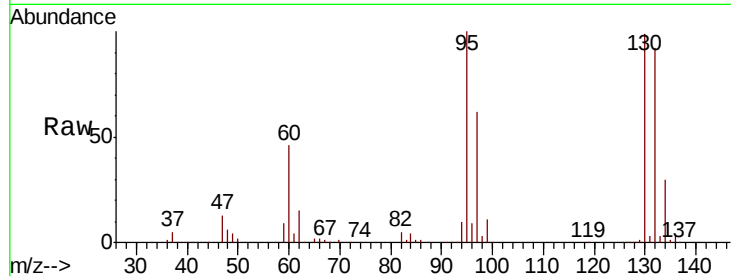
ClientSampleId :

Tot Ion:130 Resp: 544037

Ion Ratio Lower Upper

130 100

95 101.1 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VY000811.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY000811.D (-1173) (-)

8.94

300000

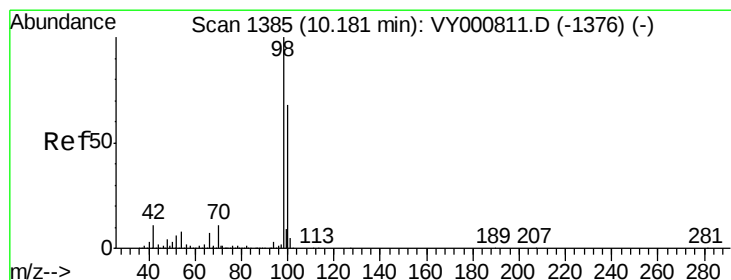
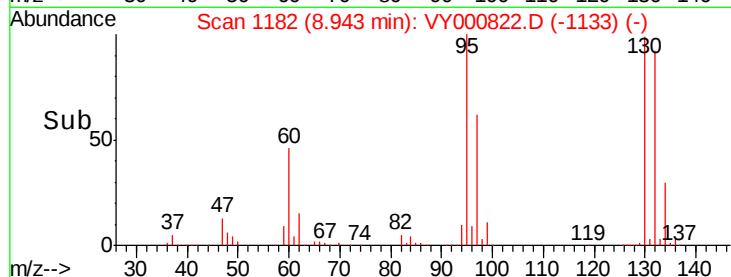
200000

100000

0

8.90 9.00

Time-->



#50

Toluene-d8

Concen: 51.148 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000822.D

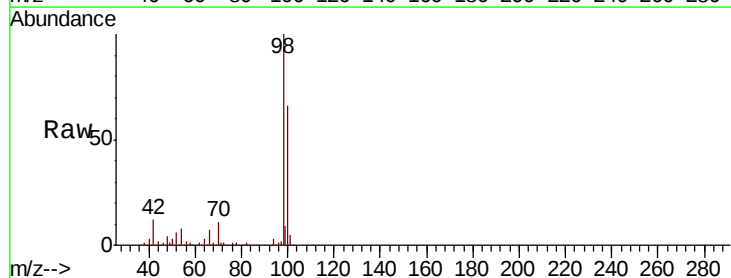
Acq: 27 Nov 2019 16:24

Tgt Ion: 98 Resp: 541131

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY000811.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000811.D (-1376) (-)

10.18

300000

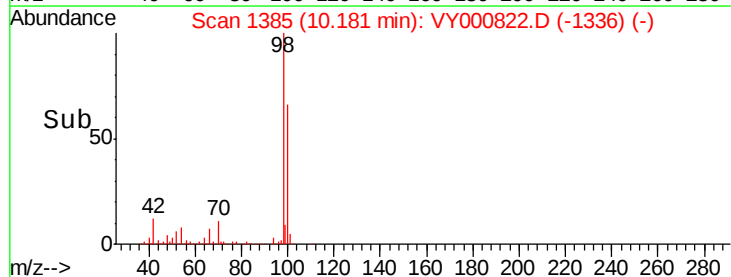
200000

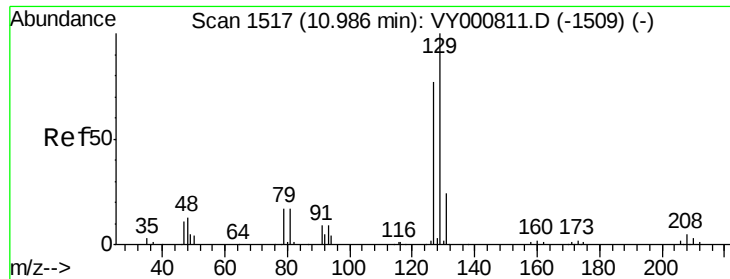
100000

0

10.10 10.20 10.30

Time-->

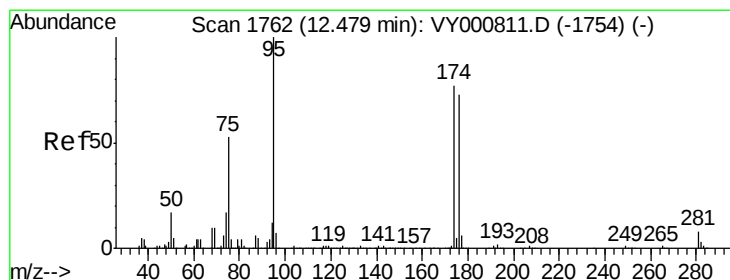
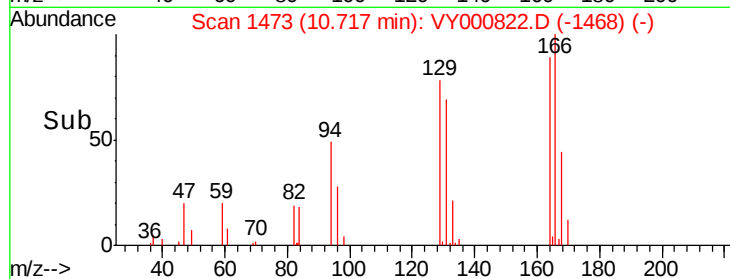
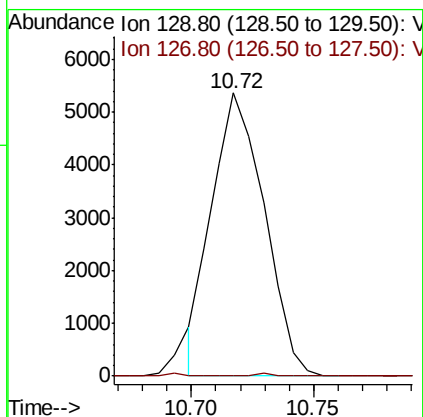
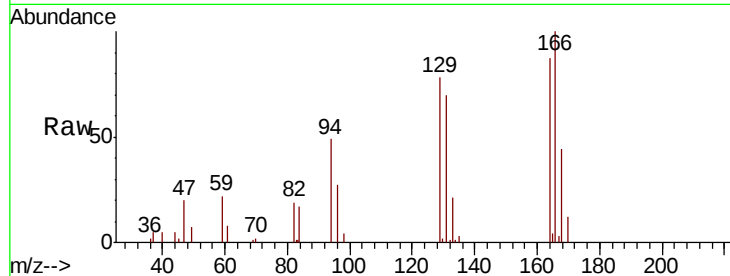




#60
 Dibromochloromethane
 Concen: 2.921 ug/l
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.27 min
 Lab File: VY000822.D
 Acq: 27 Nov 2019 16:24

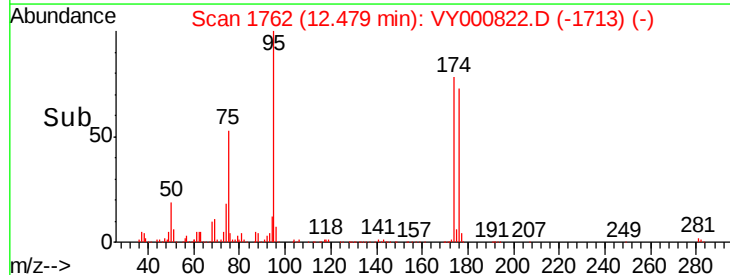
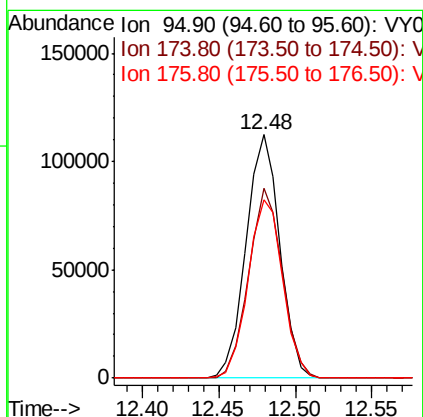
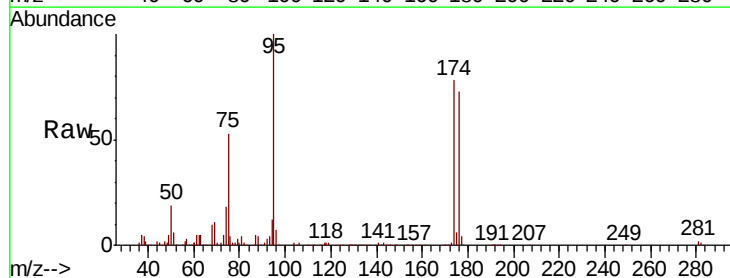
Instrument :
 MSVOA_Y
 ClientSampled :

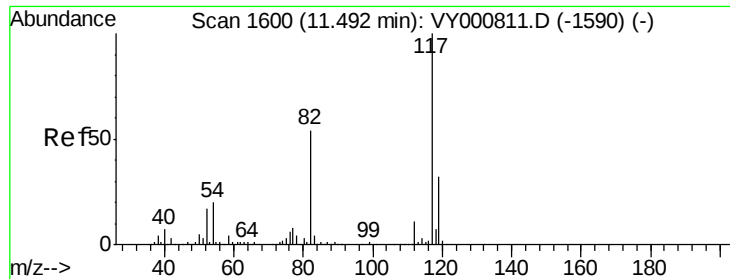
Tot Ion:129 Resp: 8019
 Ion Ratio Lower Upper
 129 100
 127 0.2 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 43.387 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000822.D
 Acq: 27 Nov 2019 16:24

Tgt Ion: 95 Resp: 172388
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 150.6
 176 74.9 0.0 145.2

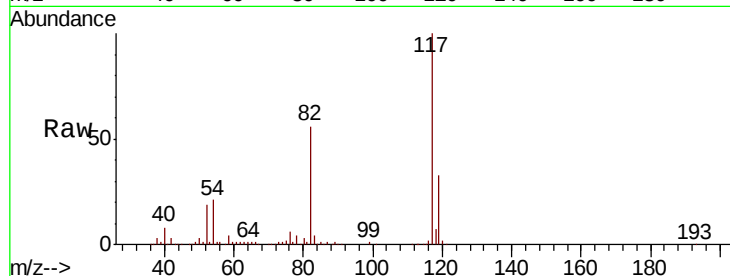




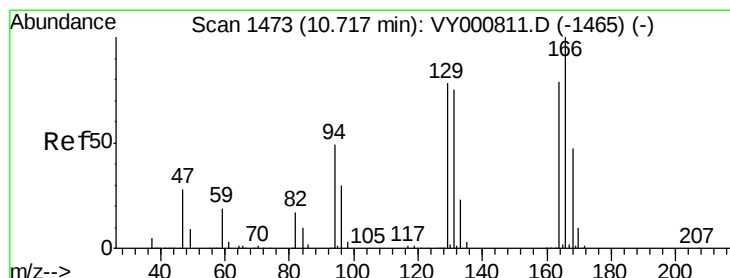
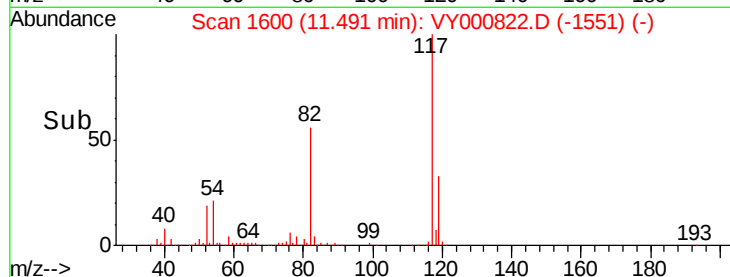
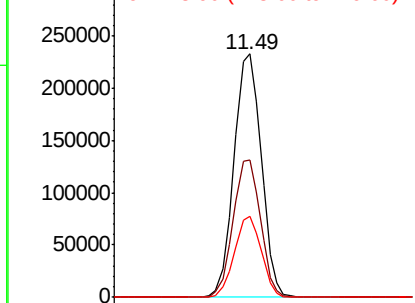
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 395353
Ion Ratio Lower Upper
117 100
82 56.2 43.1 64.7
119 33.3 25.3 37.9

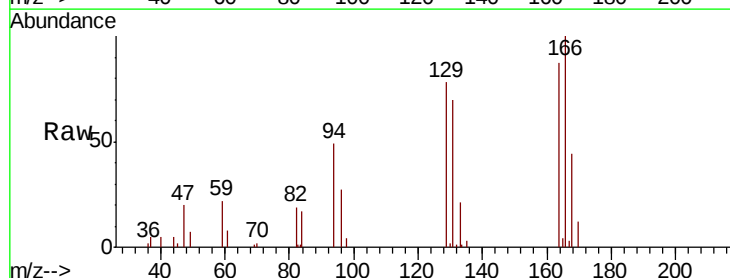


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

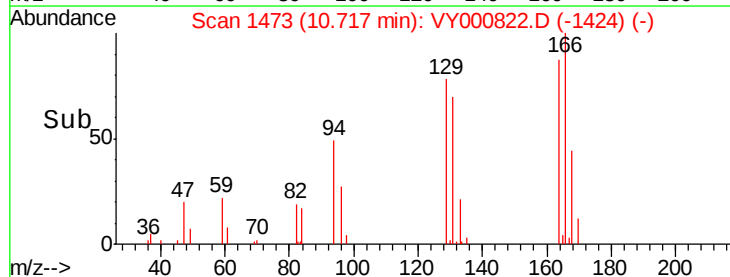
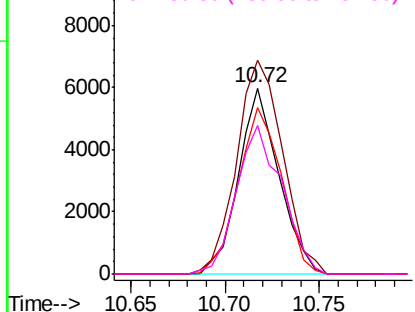


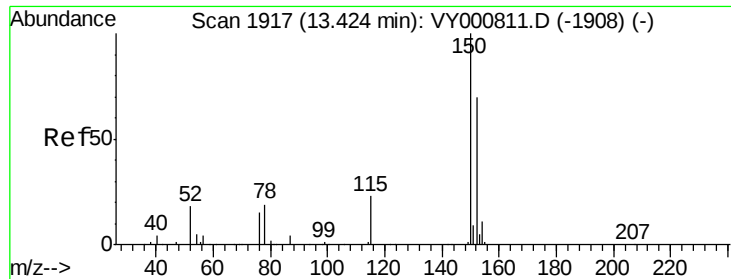
#64
Tetrachloroethene
Concen: 2.585 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Tgt Ion:164 Resp: 8879
Ion Ratio Lower Upper
164 100
166 114.8 101.8 152.8
129 89.5 79.3 118.9
131 80.0 76.4 114.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



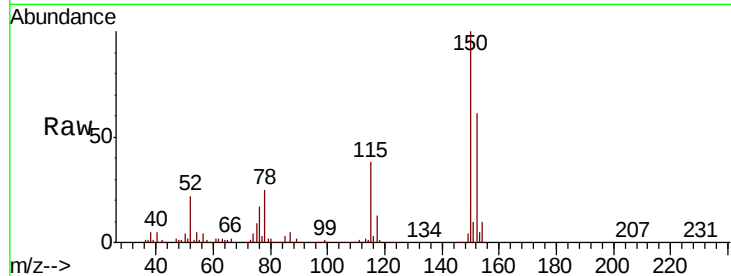


#72

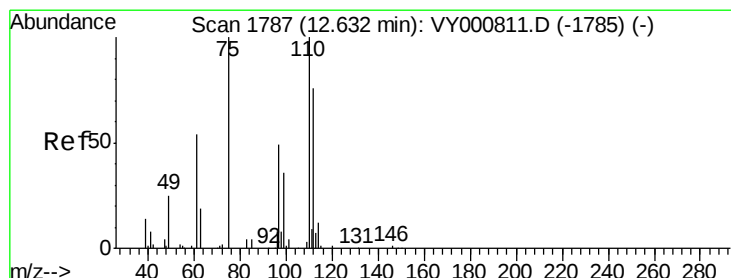
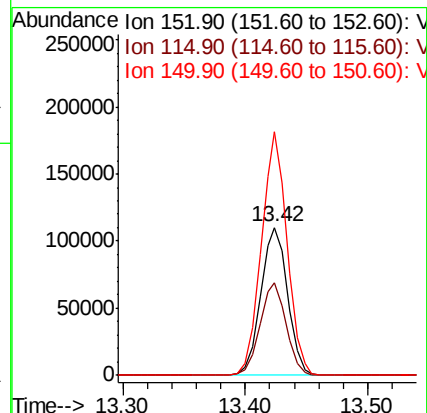
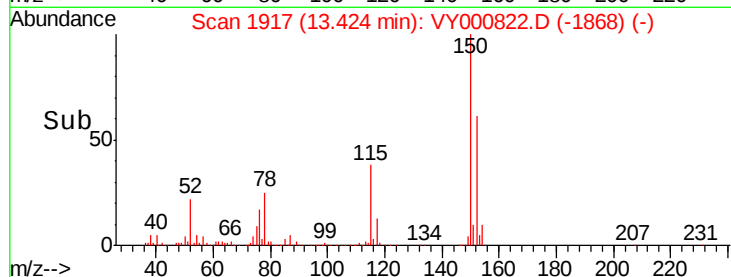
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.3	87.8
150	157.8	0.0	351.2



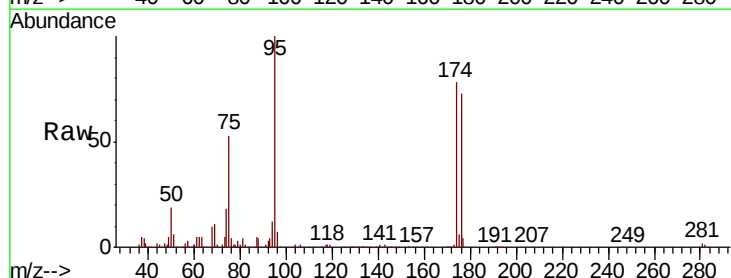
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



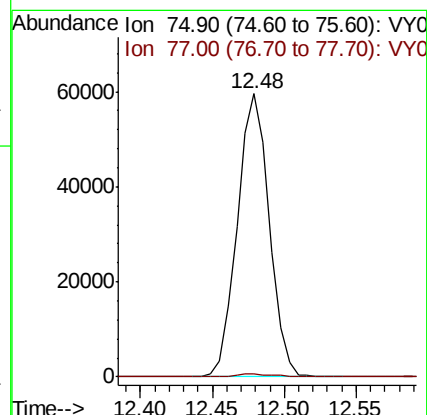
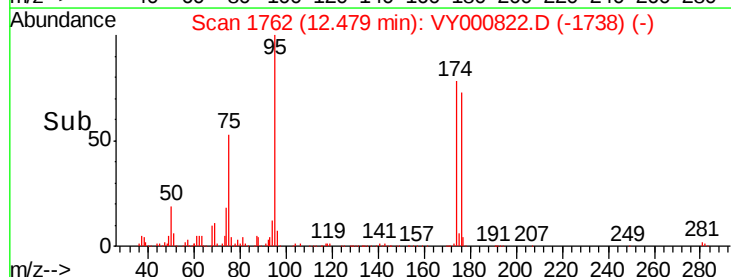
#76

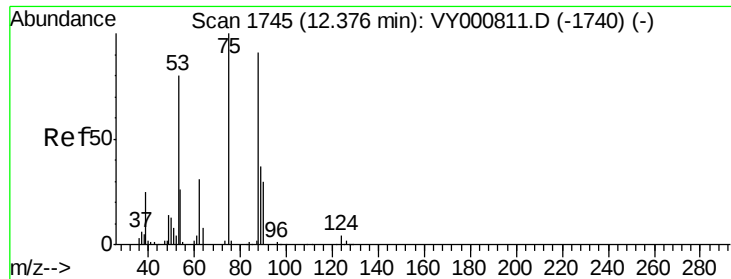
1,2,3-Trichloropropane
Concen: 48.376 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000822.D
Acq: 27 Nov 2019 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 95.024 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000822.D

Acq: 27 Nov 2019 16:24

Instrument :

MSVOA_Y

ClientSampleId :

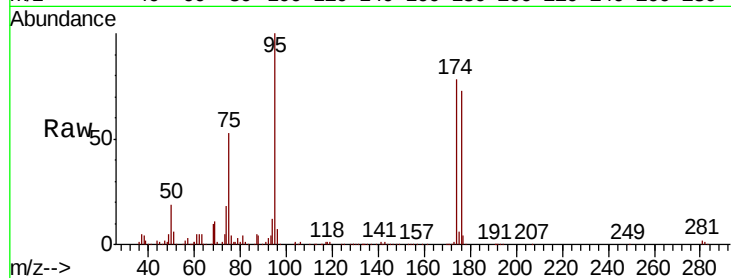
Tot Ion: 75 Resp: 91913

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



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

