

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000622.D
 Acq On : 08 Nov 2019 17:03
 Operator : SY/MD
 Sample : K5723-06RE
 Misc : 6.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-CRE

Quant Time: Nov 11 04:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	218990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	401436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	145536	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	137208	60.54	ug/l	0.00
Spiked Amount			Recovery	=	121.08%	
35) Dibromofluoromethane	7.74	113	121105	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.18	98	469461	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.48	95	155580	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

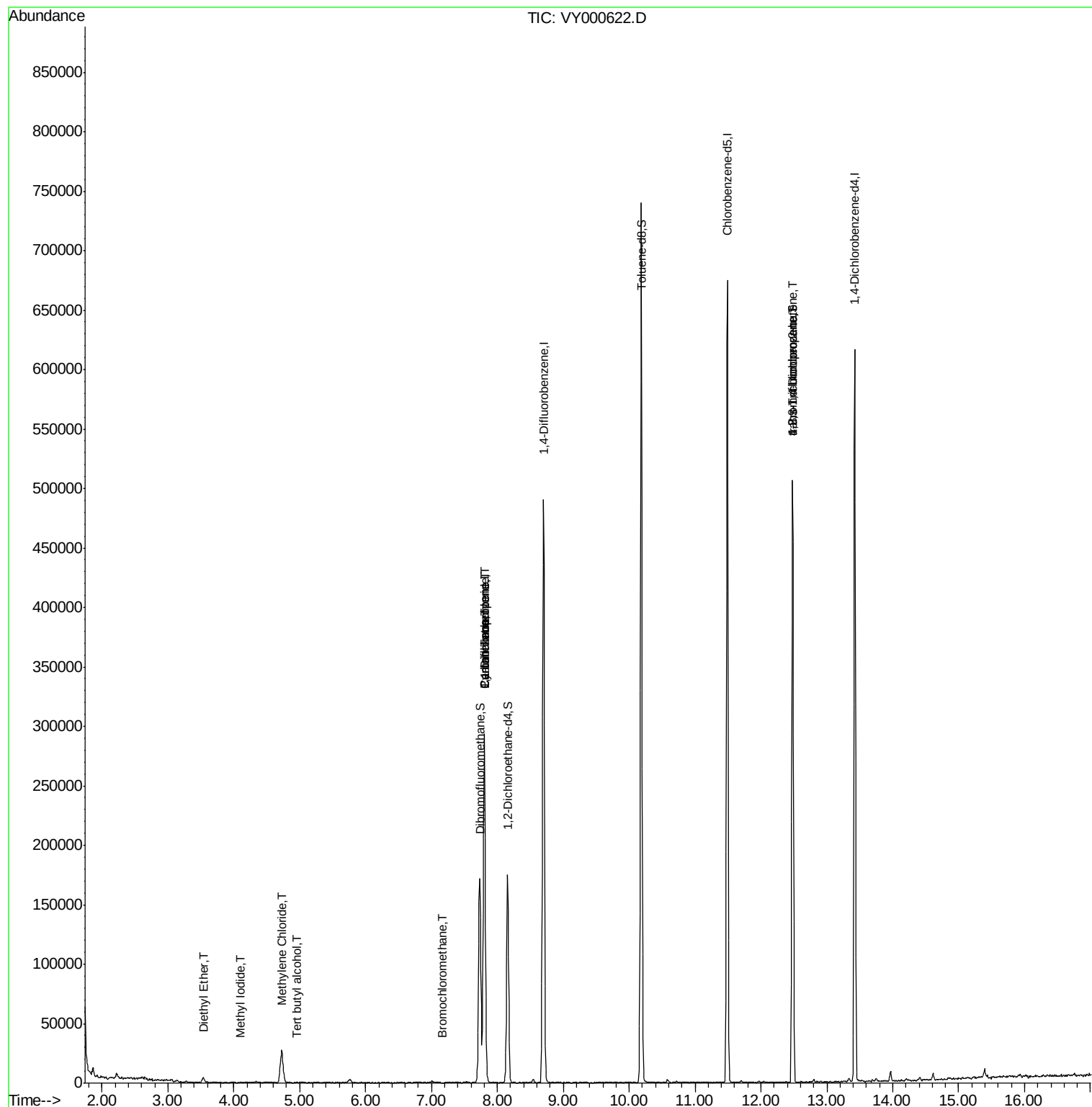
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2378	1.797	ug/l	81
10) Methyl Iodide	4.10	142	97	3.230	ug/l #	41
11) Tert butyl alcohol	4.95	59	237	1.074	ug/l #	72
20) Methylene Chloride	4.72	84	19454	7.269	ug/l	98
28) Bromochloromethane	7.16	49	23	4.104	ug/l #	14
31) Cyclohexane	7.80	56	5057	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17243	4.544	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22763	6.234	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	80925	48.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80925	109.494	ug/l #	13

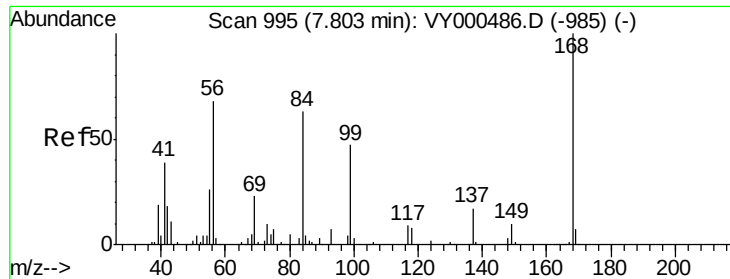
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

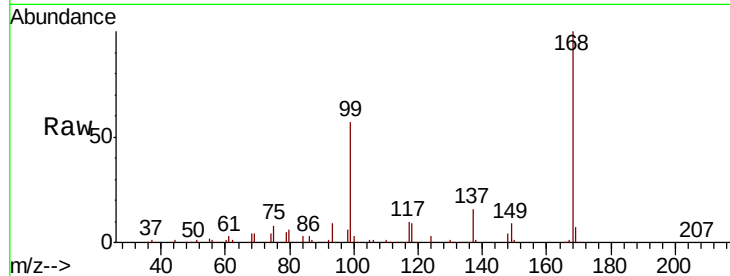
8-CRE

Tot Ion:168 Resp: 218990

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

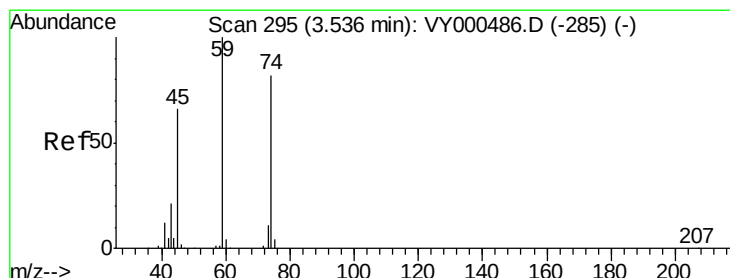
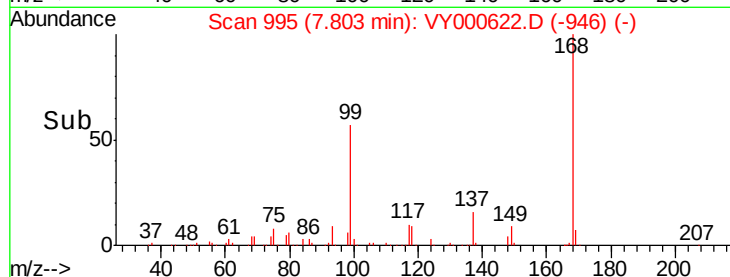
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.797 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000622.D

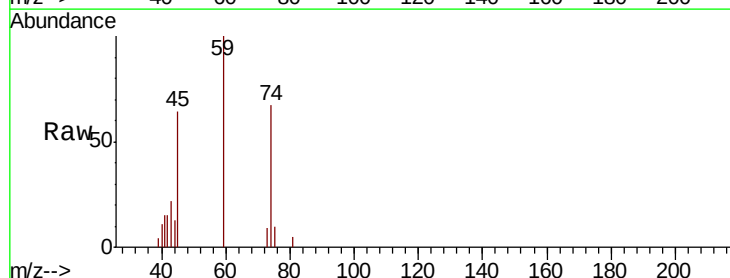
Acq: 08 Nov 2019 17:03

Tgt Ion: 74 Resp: 2378

Ion Ratio Lower Upper

74 100

45 108.7 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

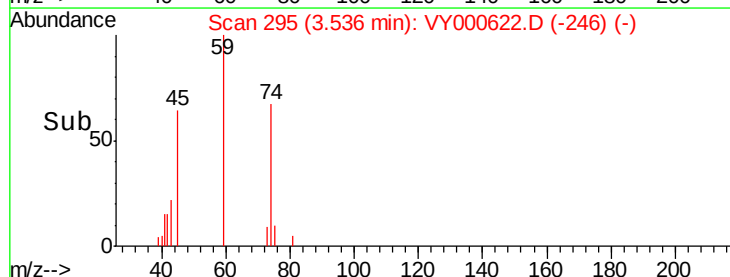
3.54

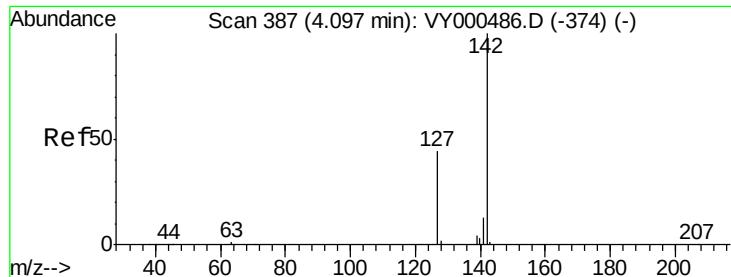
1000

500

0

Time-->

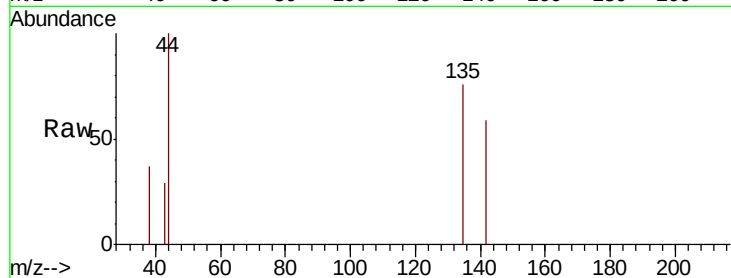




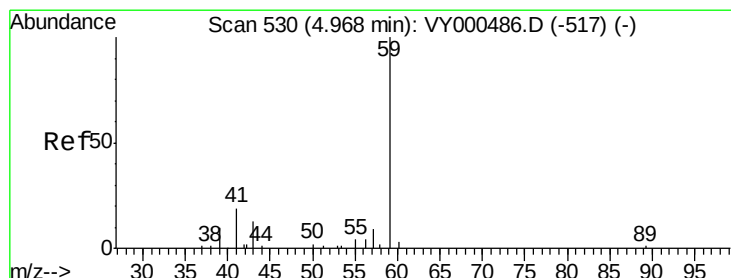
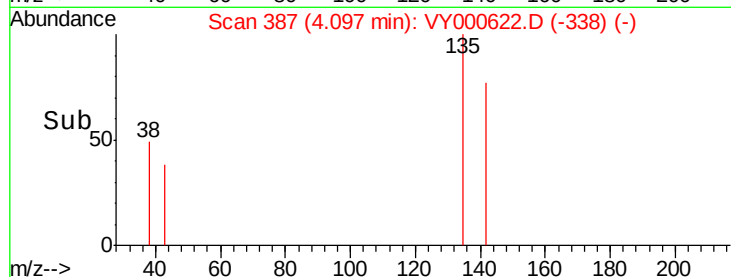
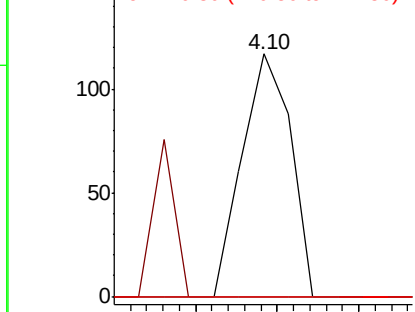
#10
Methvl Iodide
Concen: 3.230 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
8-CRE

Tot Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

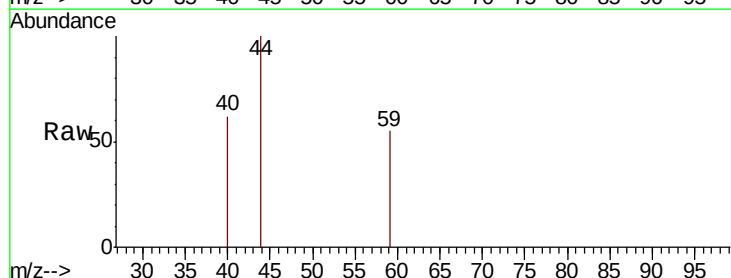


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

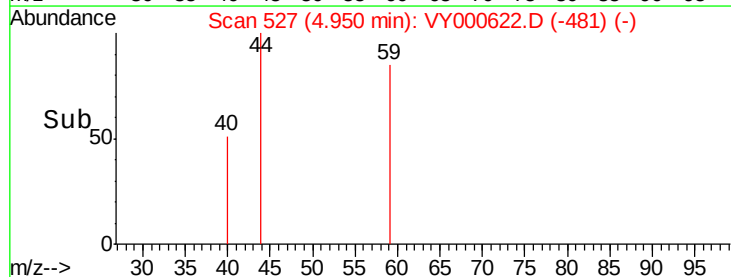
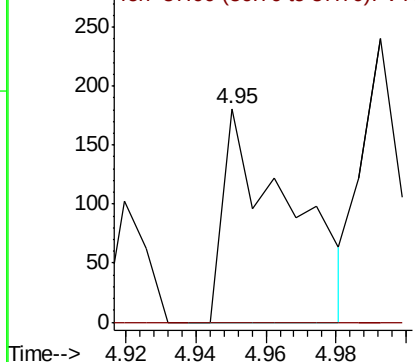


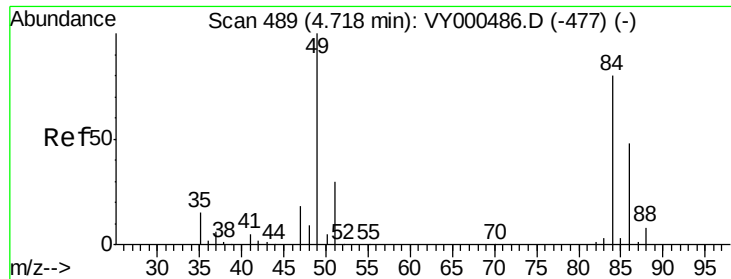
#11
Tert butyl alcohol
Concen: 1.074 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

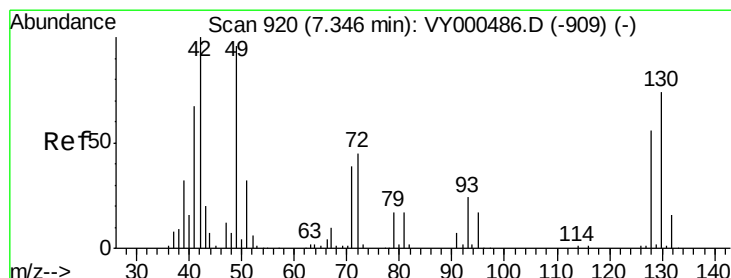
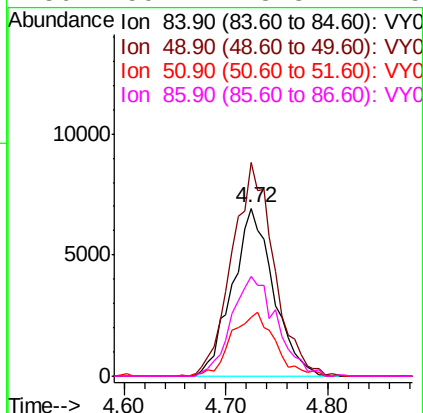
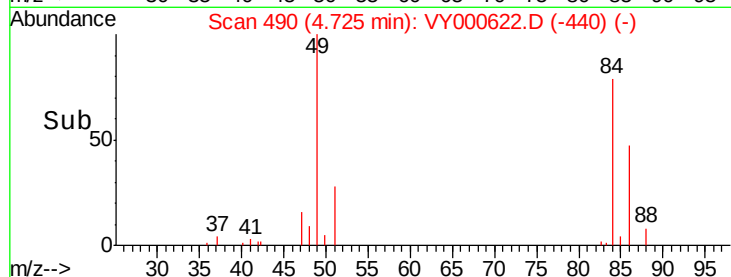
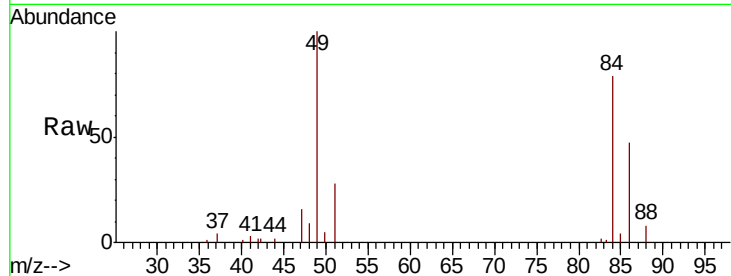




#20
Methylene Chloride
Concen: 7.269 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

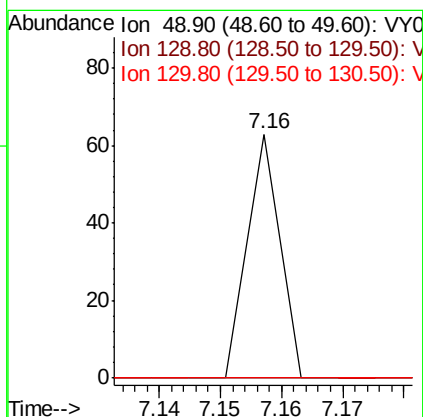
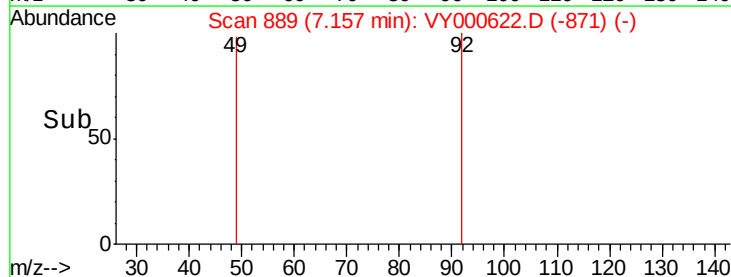
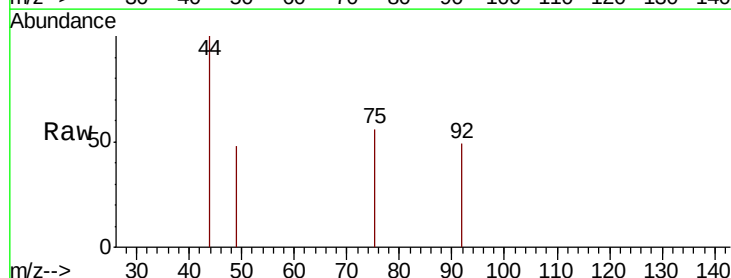
Instrument :
MSVOA_Y
ClientSampleId :
8-CRE

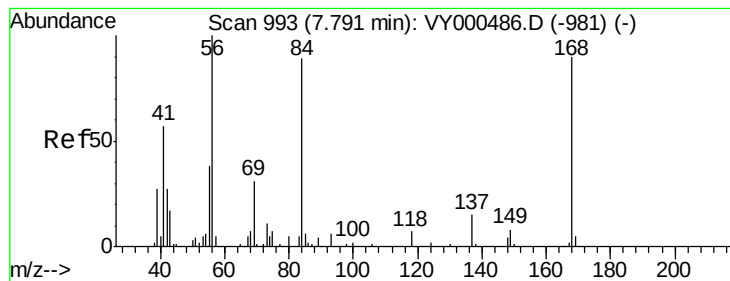
Tot Ion:	84	Resp:	19454
Ion	Ratio	Lower	Upper
84	100		
49	127.3	100.2	150.4
51	35.3	29.6	44.4
86	59.2	48.3	72.5



#28
Bromochloromethane
Concen: 4.104 ug/l
RT: 7.16 min Scan# 889
Delta R.T. -0.19 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

Tgt Ion:	49	Resp:	23
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

8-CRE

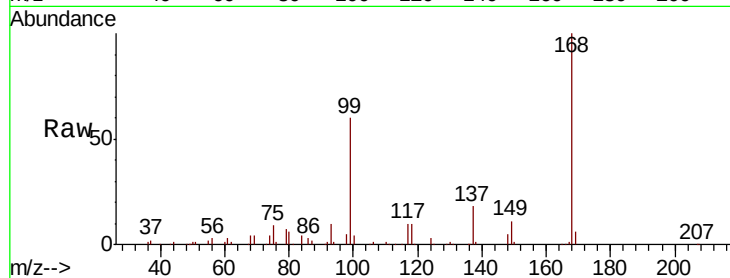
Tot Ion: 56 Resp: 5057

Ion Ratio Lower Upper

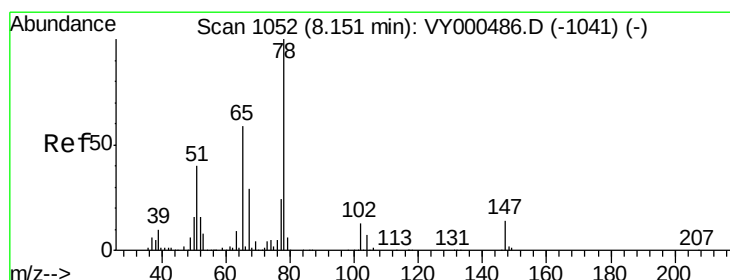
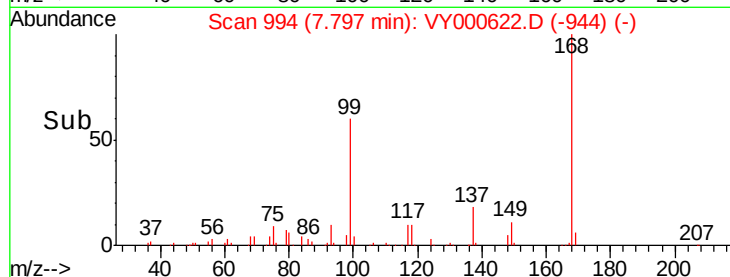
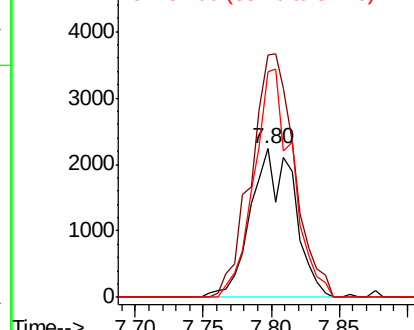
56 100

69 162.9 25.0 37.6#

84 151.7 71.4 107.2#



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: 60.544 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000622.D

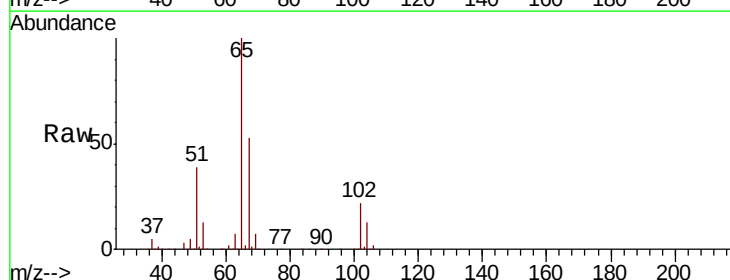
Acq: 08 Nov 2019 17:03

Tgt Ion: 65 Resp: 137208

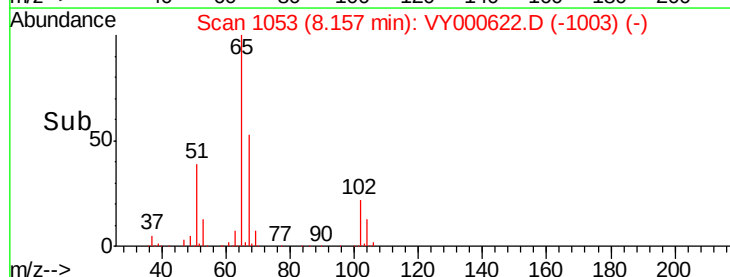
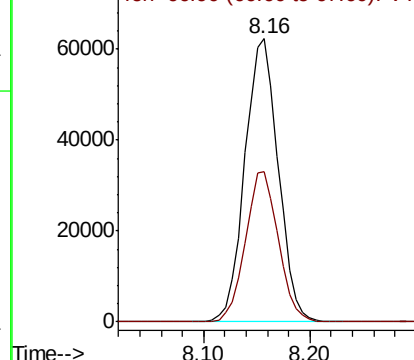
Ion Ratio Lower Upper

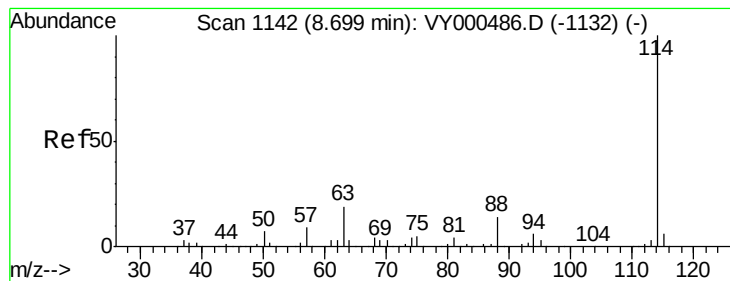
65 100

67 52.2 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

8-CRE

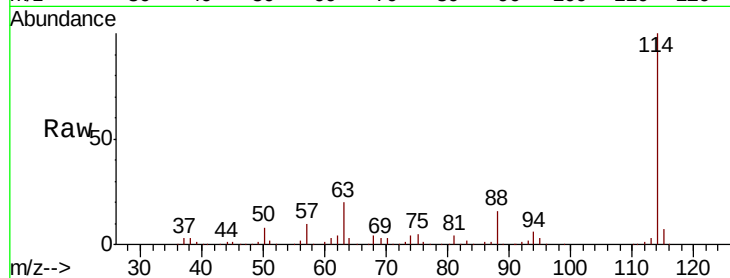
Tot Ion:114 Resp: 401436

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

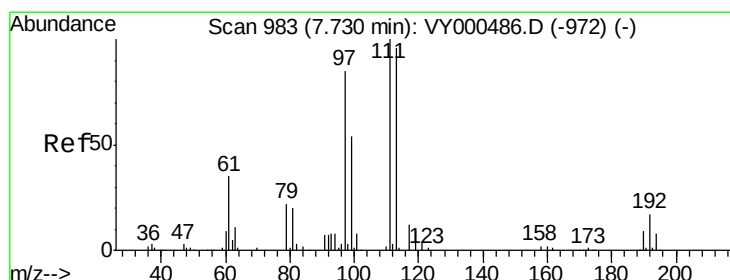
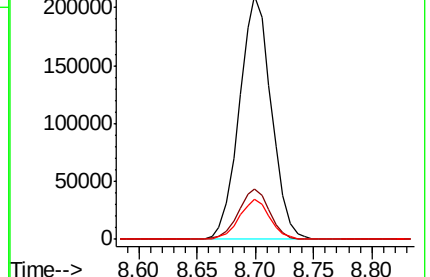
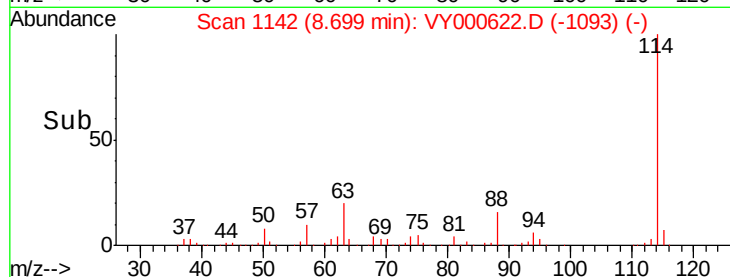
88 16.4 0.0 28.6



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: 51.388 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

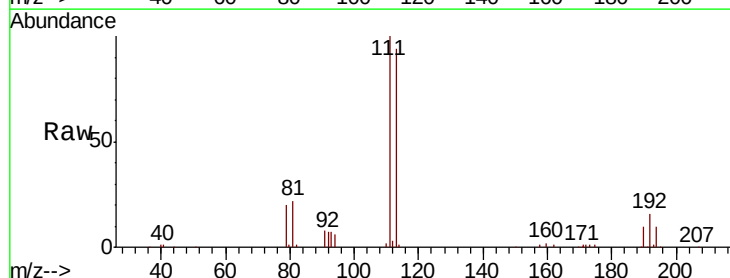
Tgt Ion:113 Resp: 121105

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

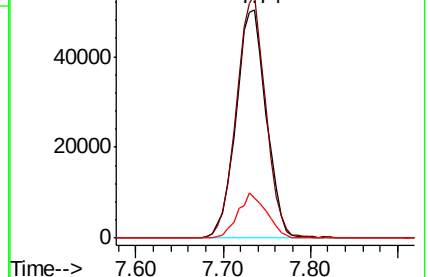
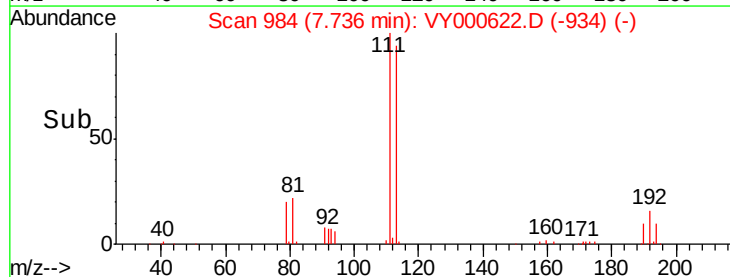
192 18.7 15.0 22.4

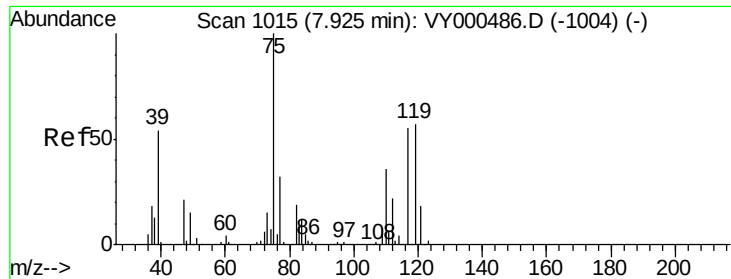


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

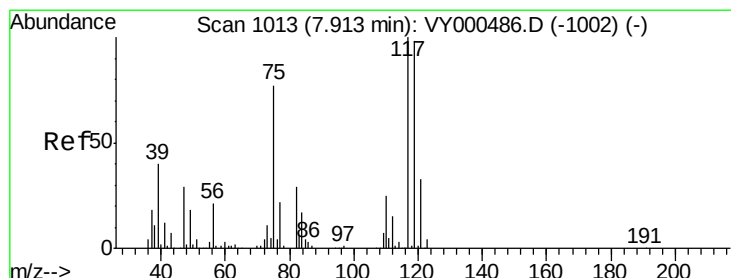
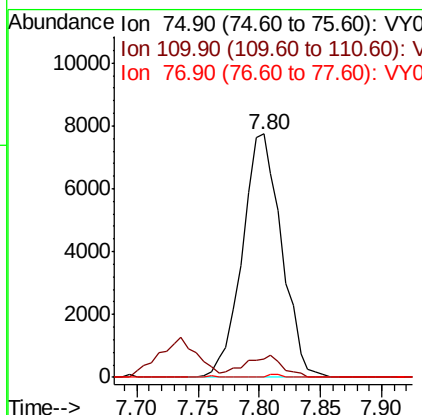
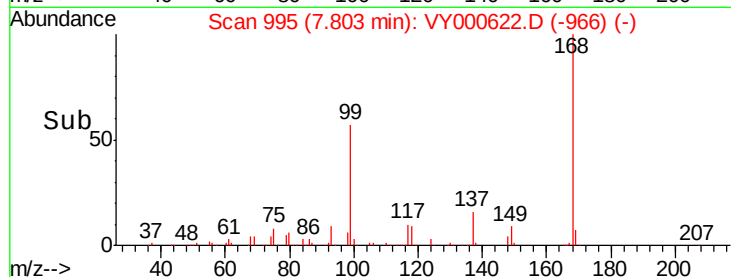
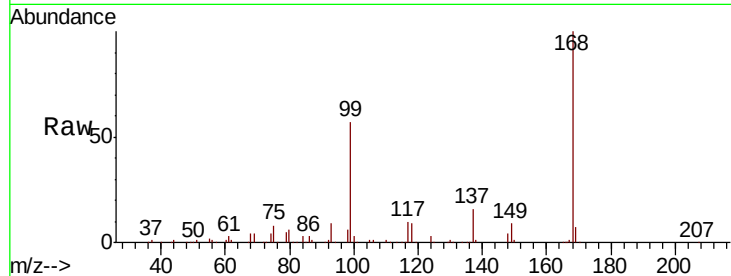




#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000622.D
 Acq: 08 Nov 2019 17:03

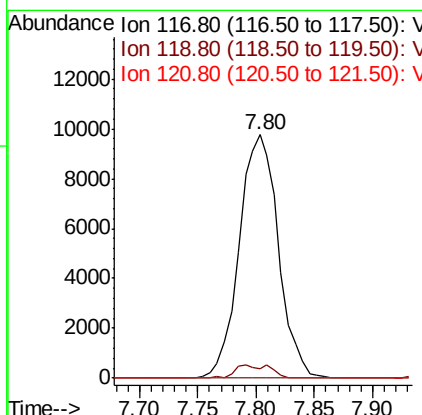
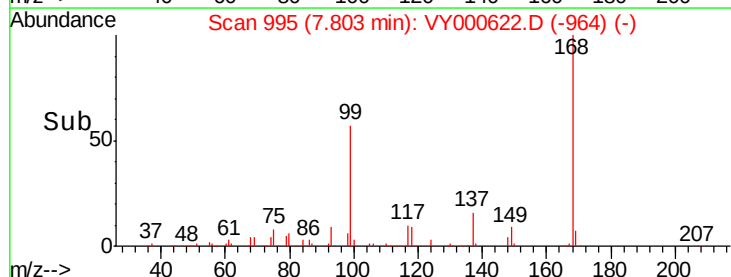
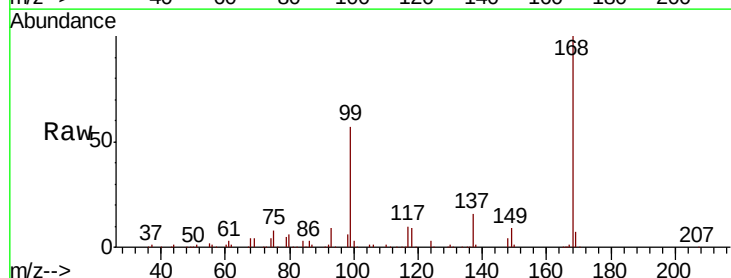
Instrument :
 MSVOA_Y
 ClientSampled :
 8-CRE

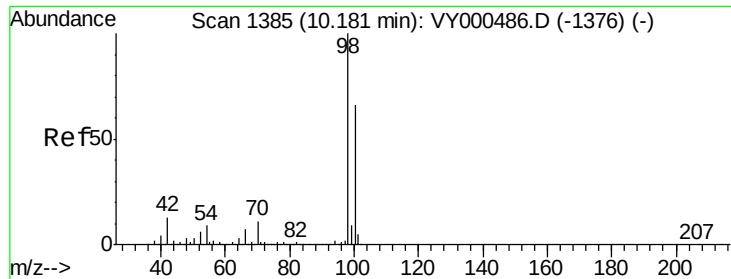
Tot Ion: 75 Resp: 17243
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.1#
 77 0.4 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.234 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000622.D
 Acq: 08 Nov 2019 17:03

Tgt Ion: 117 Resp: 22763
 Ion Ratio Lower Upper
 117 100
 119 3.9 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 52.498 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

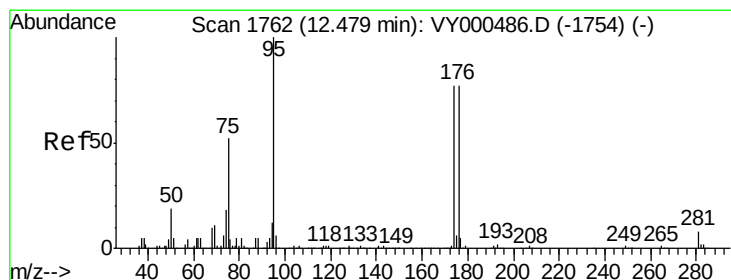
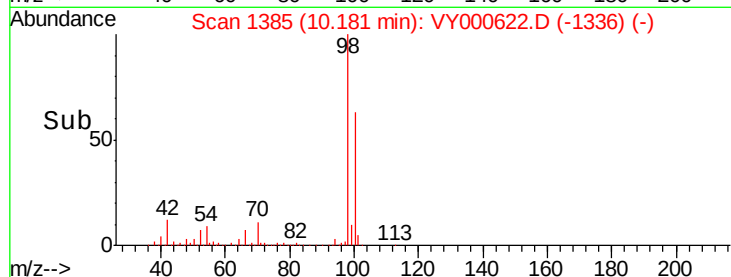
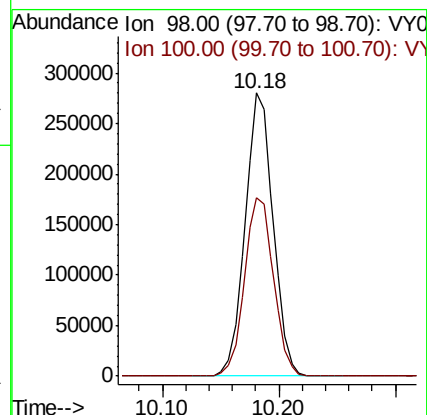
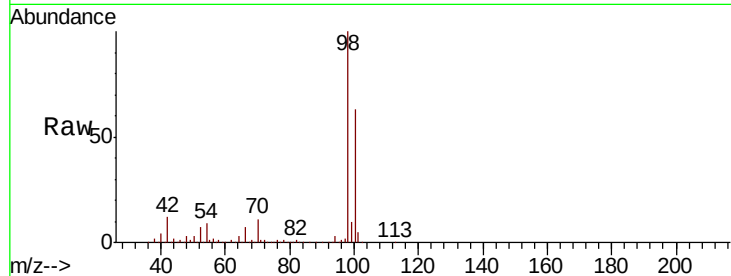
8-CRE

Tot Ion: 98 Resp: 469461

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.701 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

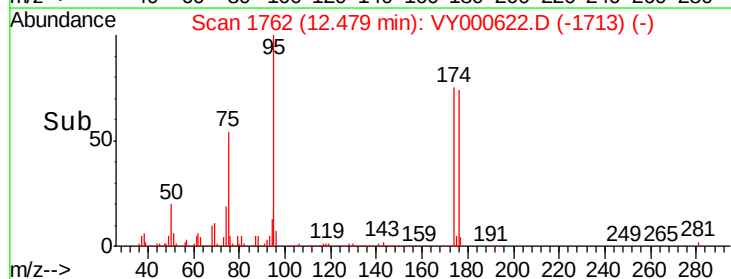
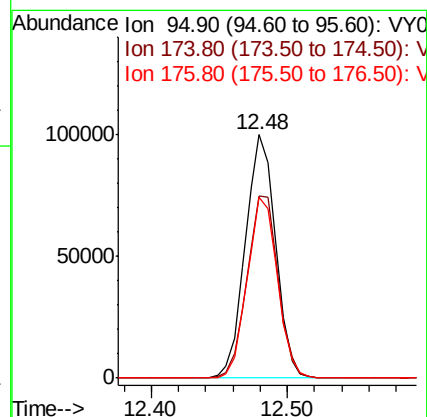
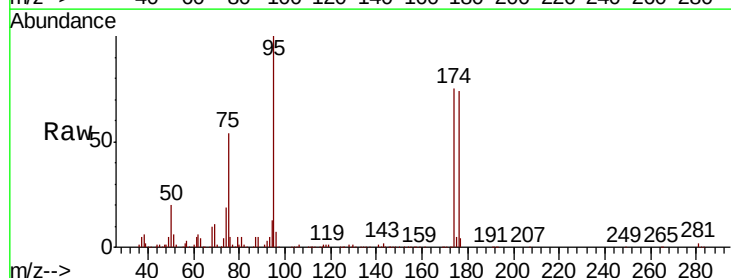
Tgt Ion: 95 Resp: 155580

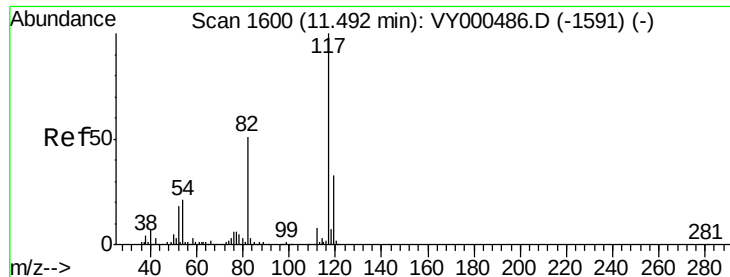
Ion Ratio Lower Upper

95 100

174 77.1 0.0 161.6

176 74.3 0.0 157.8

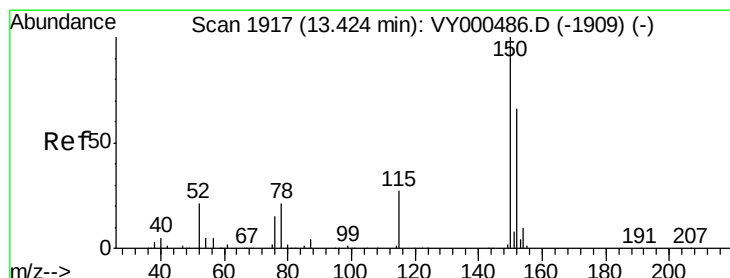
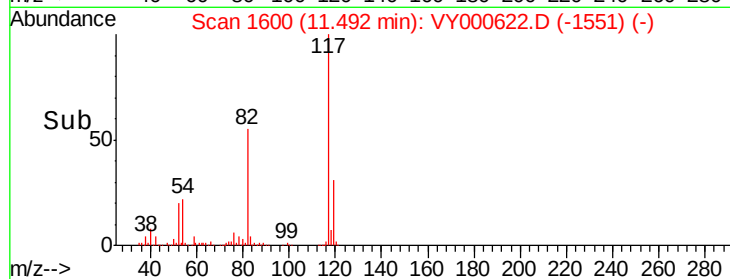
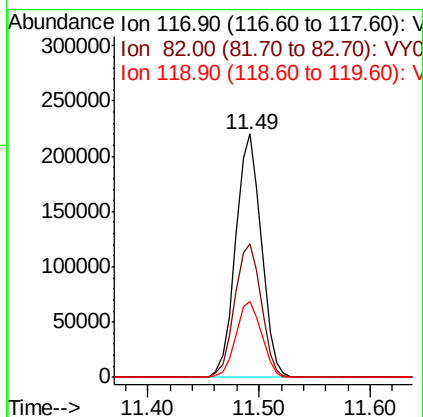
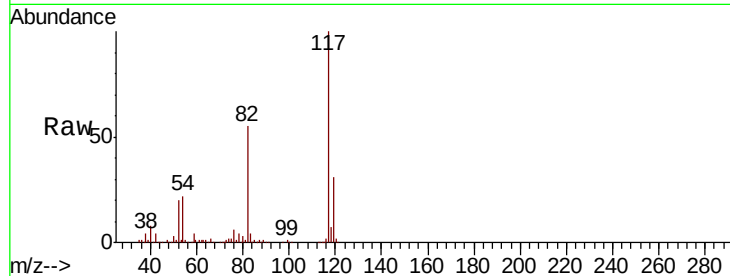




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

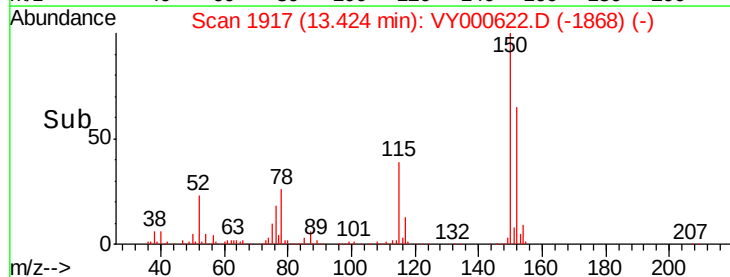
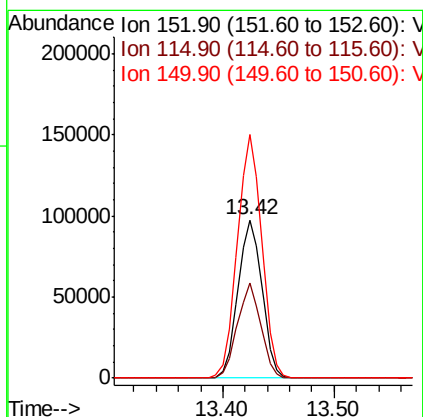
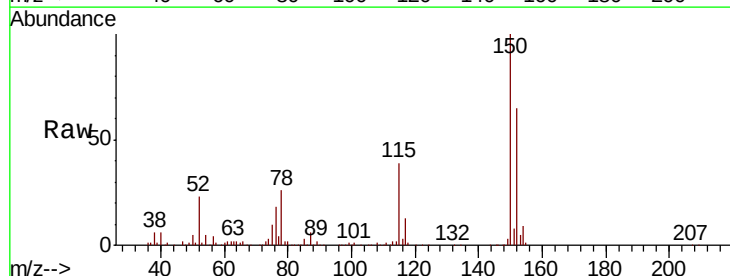
Instrument :
MSVOA_Y
ClientSampleId :
8-CRE

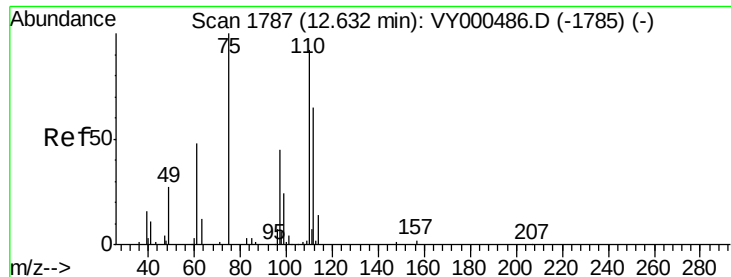
Tot Ion:117 Resp: 350780
Ion Ratio Lower Upper
117 100
82 55.0 40.8 61.2
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000622.D
Acq: 08 Nov 2019 17:03

Tgt Ion:152 Resp: 145536
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.4
150 156.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 48.835 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

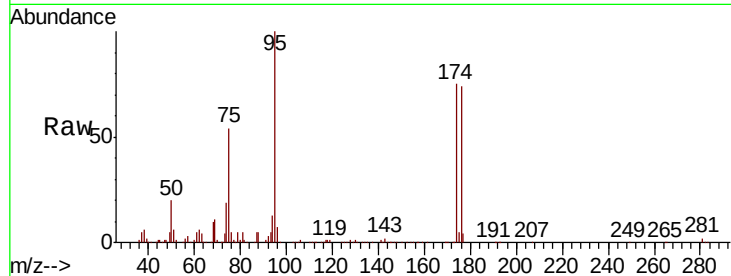
8-CRE

Tot Ion: 75 Resp: 80925

Ion Ratio Lower Upper

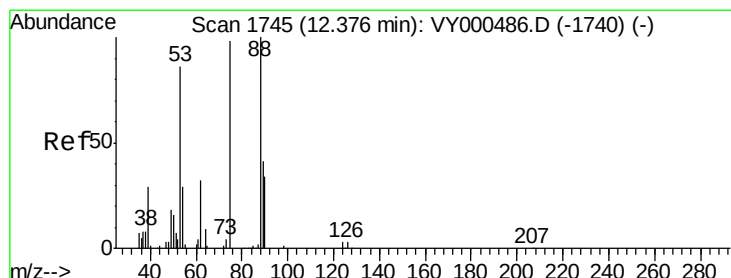
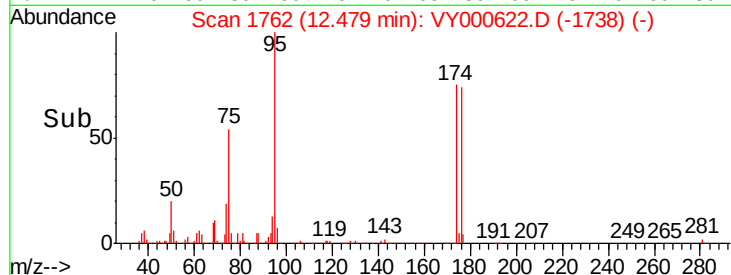
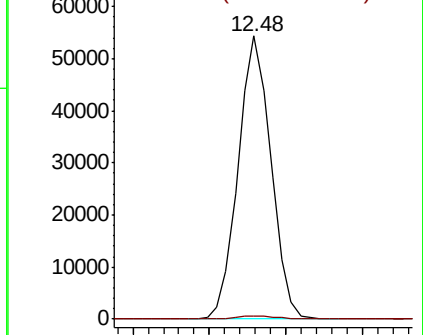
75 100

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: 109.494 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000622.D

Acq: 08 Nov 2019 17:03

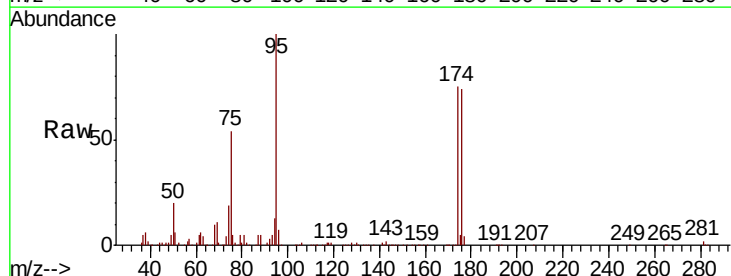
Tgt Ion: 75 Resp: 80925

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

