

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111819\
 Data File : VY000730.D
 Acq On : 18 Nov 2019 16:26
 Operator : SY/MD
 Sample : K5861-23
 Misc : 6.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-20RE

Quant Time: Nov 18 16:43:58 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	166069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	308542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	288832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	138315	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	107311	62.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.88%	
35) Dibromofluoromethane	7.72	113	93589	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
50) Toluene-d8	10.18	98	369112	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.48	95	131509	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	

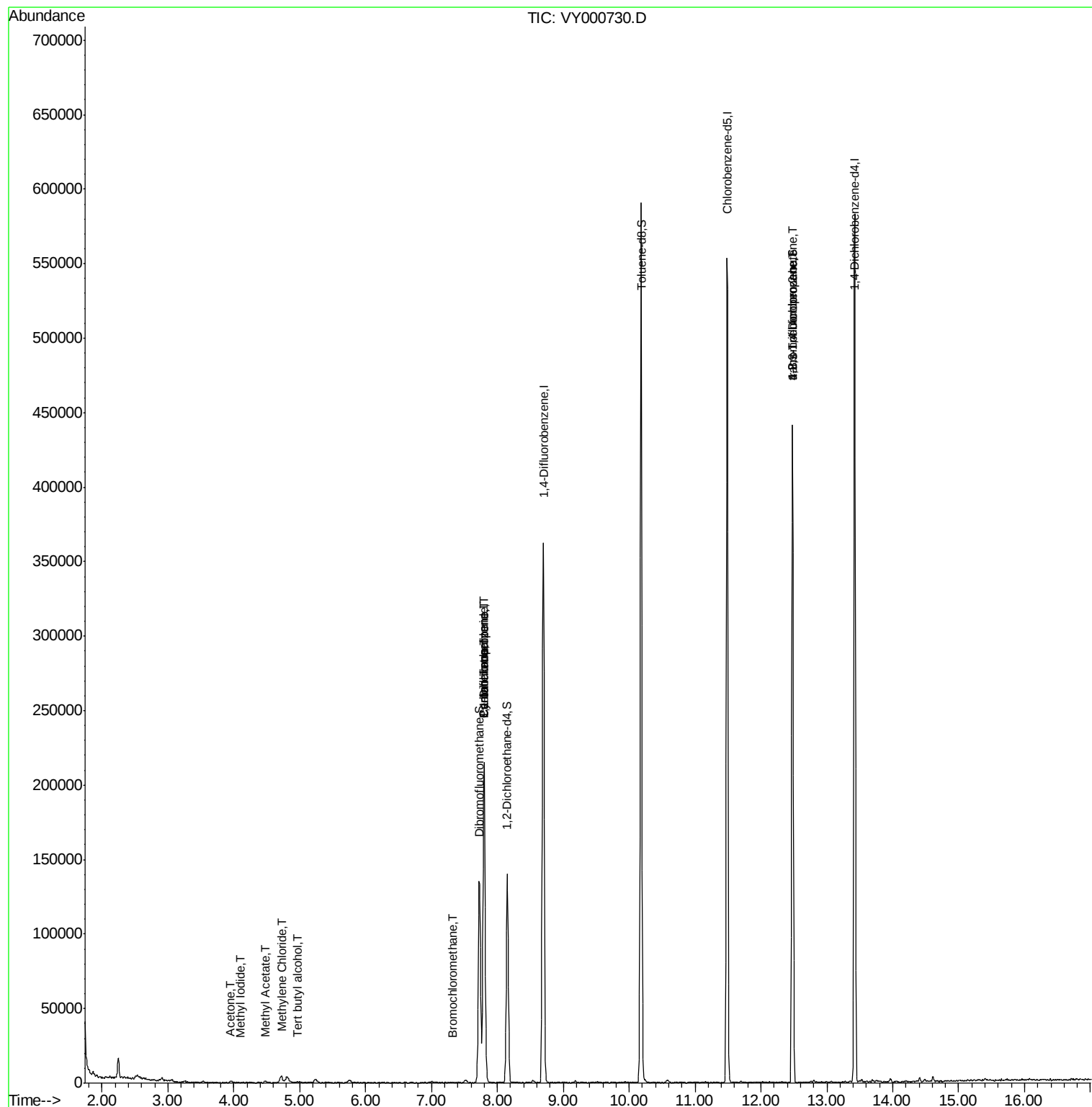
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	108	3.244	ug/l #	74
11) Tert butyl alcohol	4.96	59	878	5.248	ug/l #	72
16) Acetone	3.94	43	1822	3.847	ug/l #	74
18) Methyl Acetate	4.48	43	2232	1.515	ug/l #	71
20) Methylene Chloride	4.72	84	3304	1.628	ug/l	88
28) Bromochloromethane	7.32	49	24	4.108	ug/l #	14
31) Cyclohexane	7.80	56	3802	1.143	ug/l #	26
36) 1,1-Dichloropropene	7.80	75	13520	4.635	ug/l #	45
38) Carbon Tetrachloride	7.80	117	16648	5.932	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	69990	44.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	69990	99.642	ug/l #	13

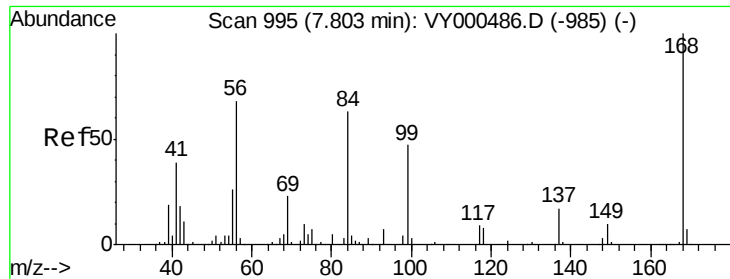
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY111819\
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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: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampleId :

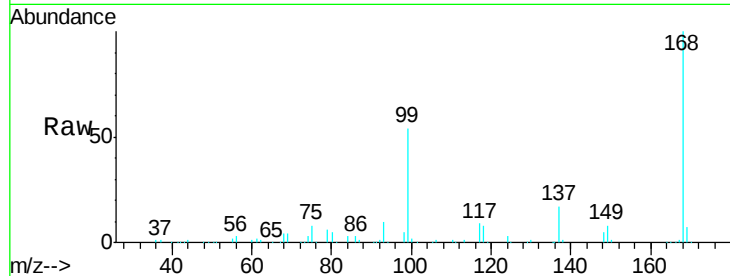
EP-20RE

Tgt Ion:168 Resp: 166069

Ion Ratio Lower Upper

168 100

99 53.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

40000

20000

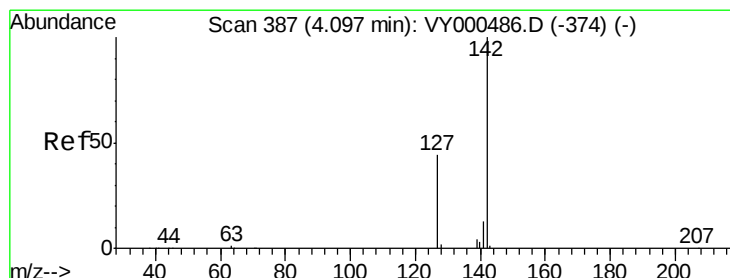
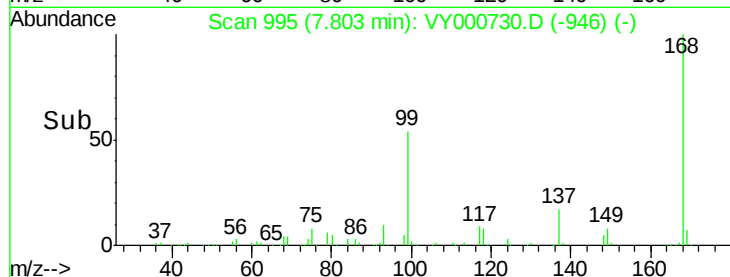
0

Time-->

7.70

7.80

7.90



#10

Methyl Iodide

Concen: 3.244 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

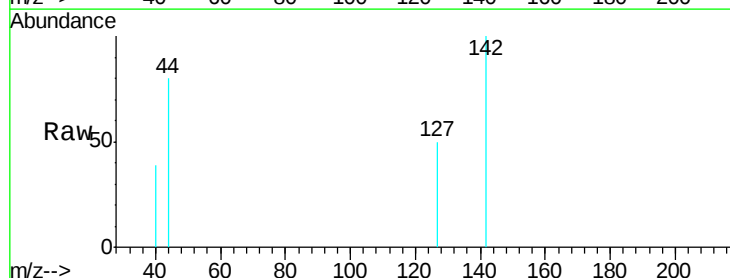
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

127 26.9 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

200

150

100

50

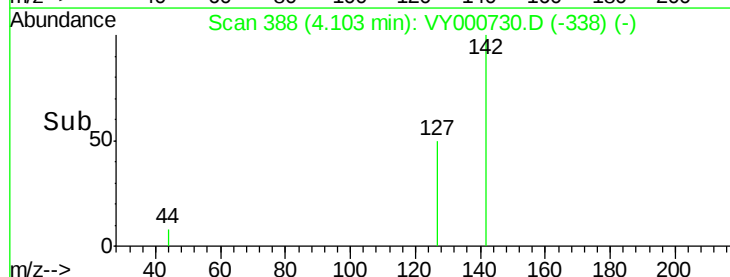
0

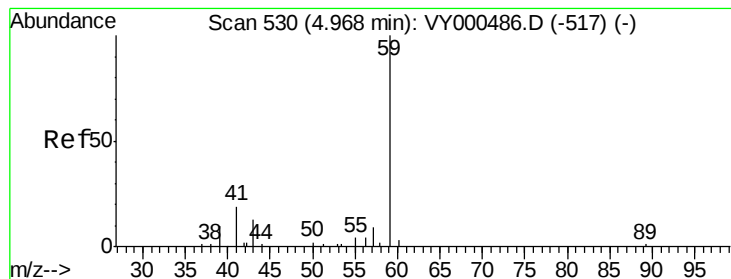
Time-->

4.08

4.10

4.12





#11

Tert butyl alcohol

Concen: 5.248 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampled :

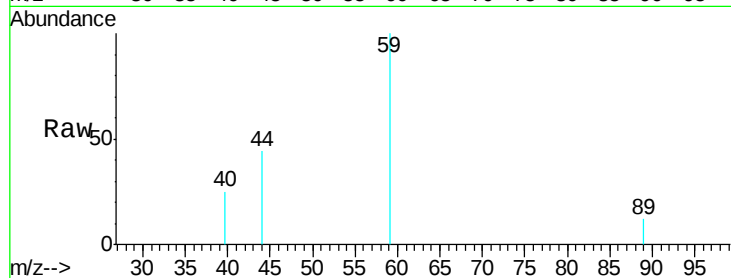
EP-20RE

Tgt Ion: 59 Resp: 878

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

4.96

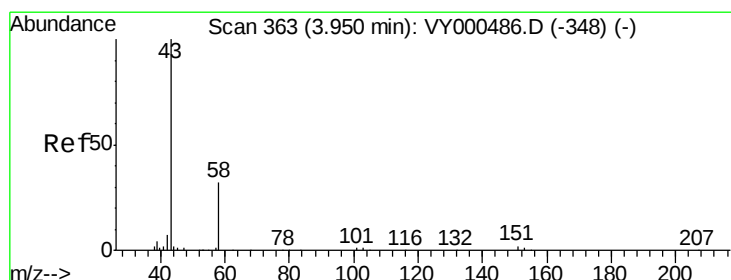
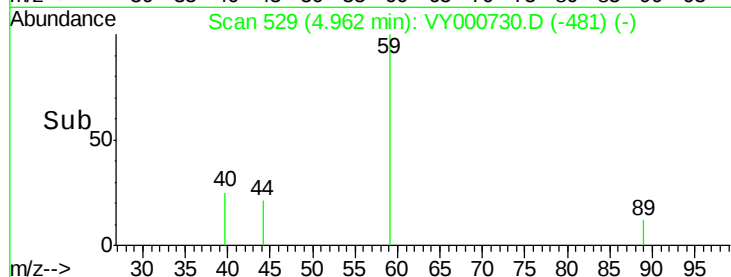
600

400

200

0

Time-->



#16

Acetone

Concen: 3.847 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000730.D

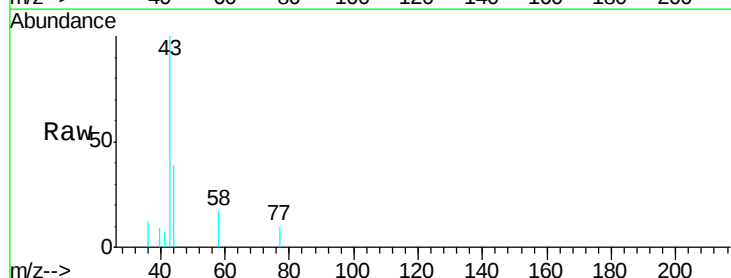
Acq: 18 Nov 2019 16:26

Tgt Ion: 43 Resp: 1822

Ion Ratio Lower Upper

43 100

58 17.4 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.94

800

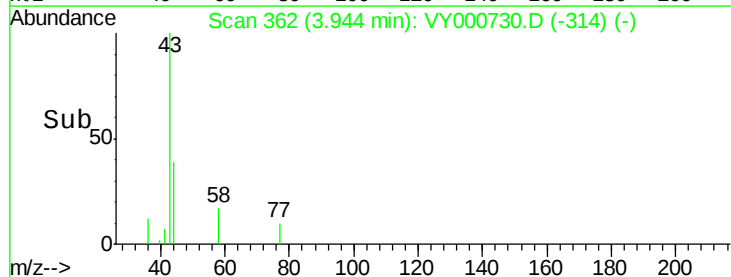
600

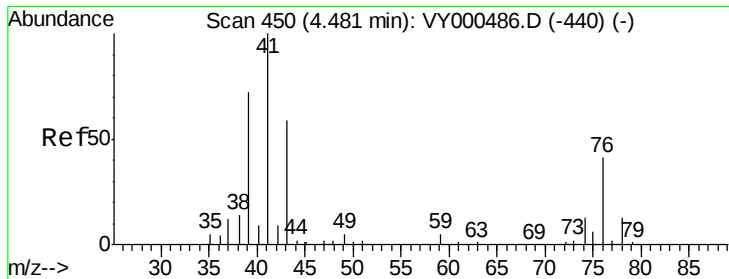
400

200

0

Time-->





#18

Methyl Acetate

Concen: 1.515 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampled :

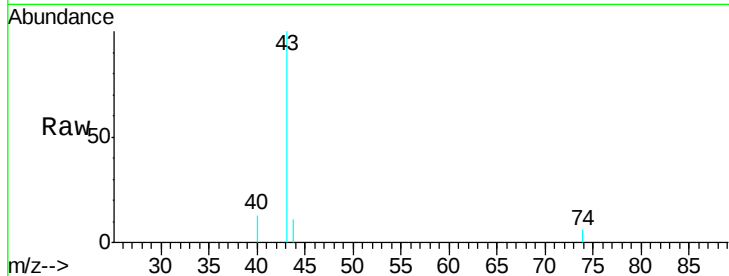
EP-20RE

Tgt Ion: 43 Resp: 2232

Ion Ratio Lower Upper

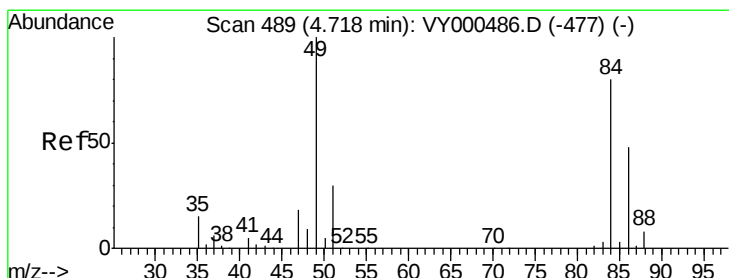
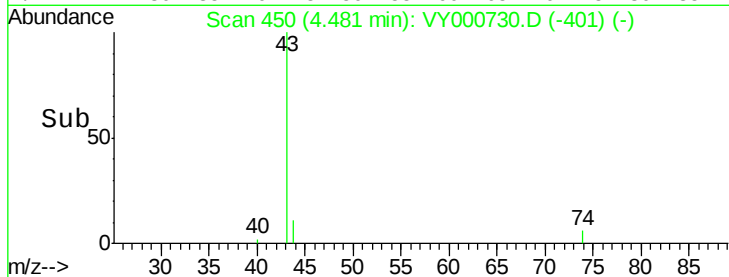
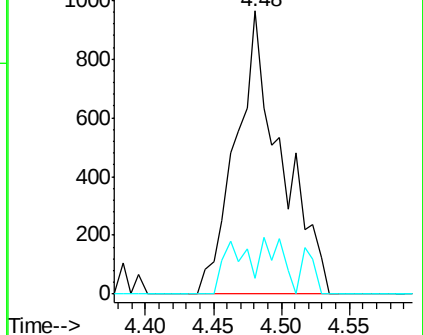
43 100

74 9.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#20

Methylene Chloride

Concen: 1.628 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Tgt Ion: 84 Resp: 3304

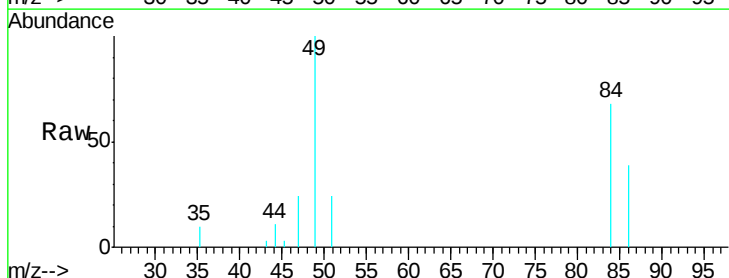
Ion Ratio Lower Upper

84 100

49 147.4 100.2 150.4

51 35.7 29.6 44.4

86 57.1 48.3 72.5

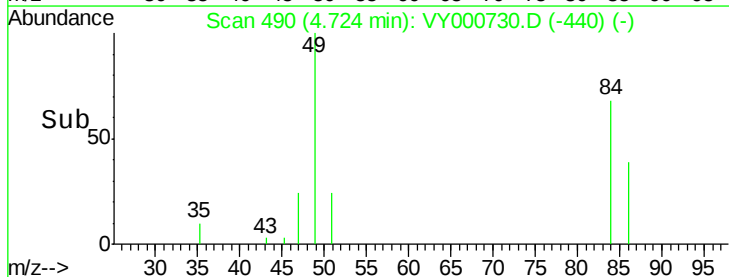
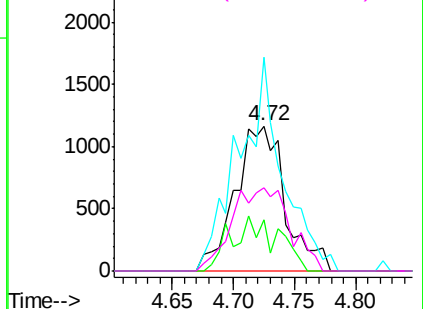


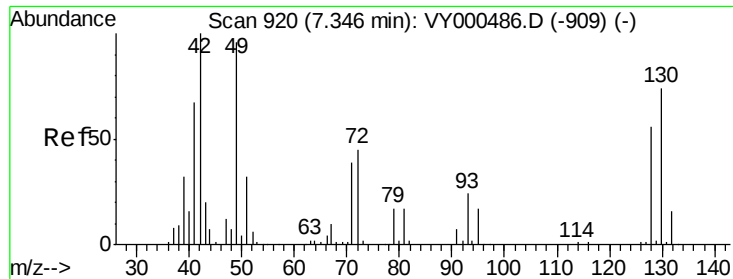
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#28

Bromochloromethane

Concen: 4.108 ug/l

RT: 7.32 min Scan# 916

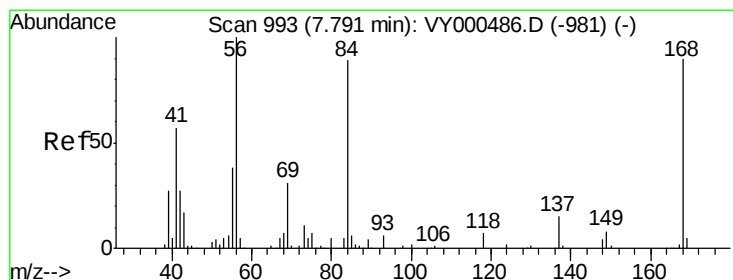
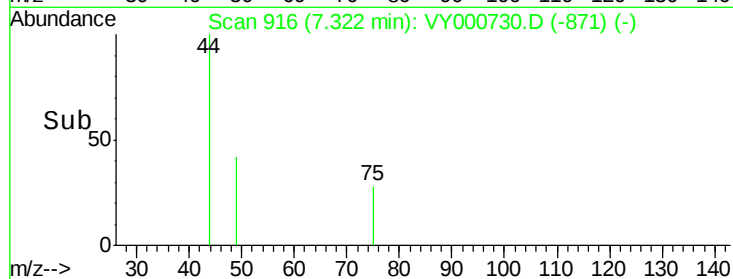
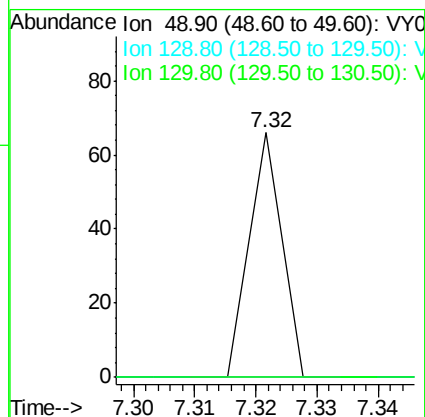
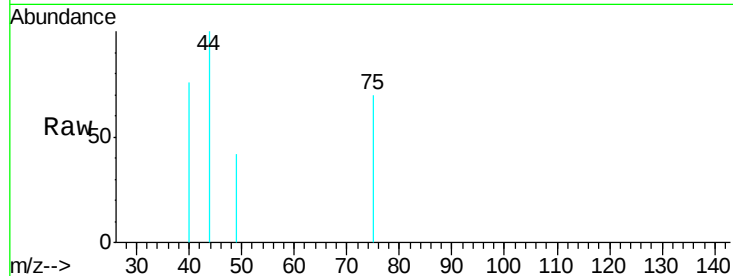
Delta R.T. -0.02 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :
MSVOA_Y
ClientSampleId :
EP-20RE

Tgt Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.143 ug/l

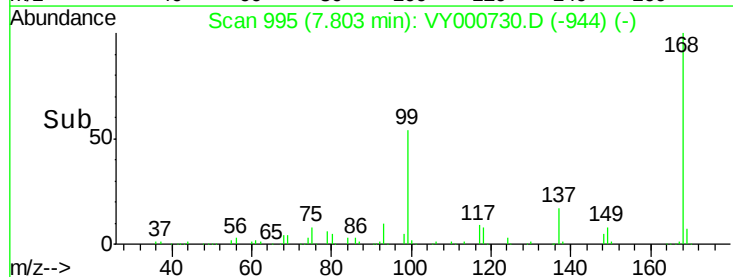
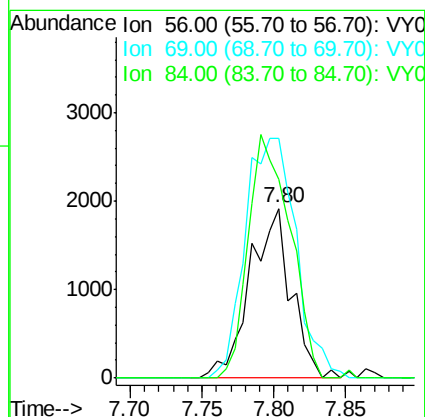
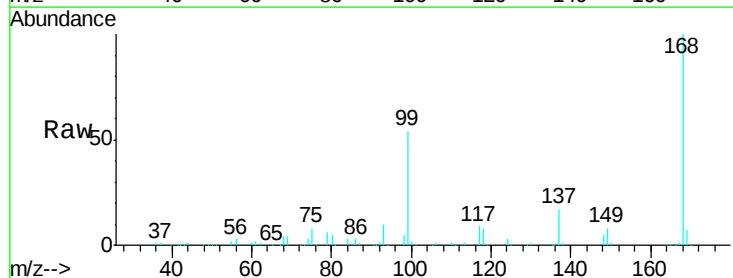
RT: 7.80 min Scan# 995

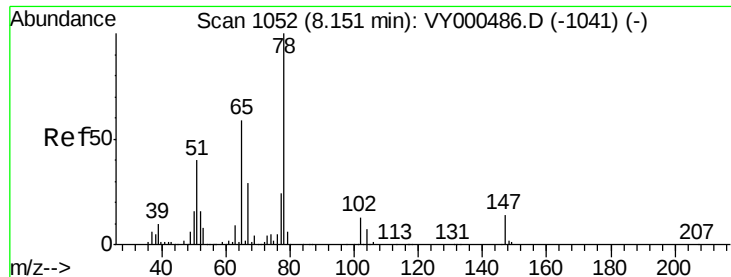
Delta R.T. 0.01 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Tgt Ion: 56 Resp: 3802
Ion Ratio Lower Upper
56 100
69 141.7 25.0 37.6#
84 117.5 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 62.441 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampleId :

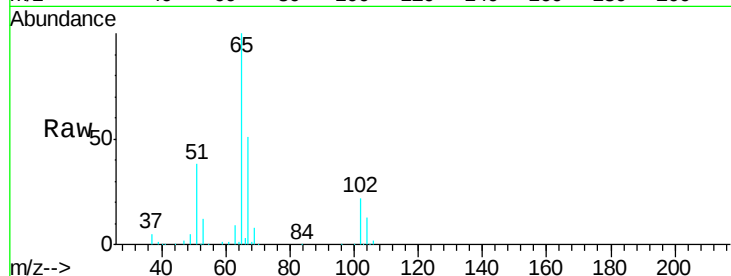
EP-20RE

Tgt Ion: 65 Resp: 107311

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.15

60000

50000

40000

30000

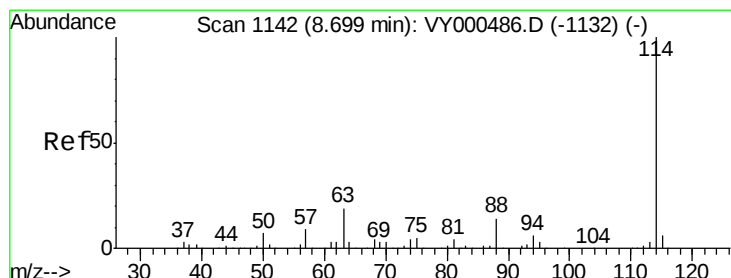
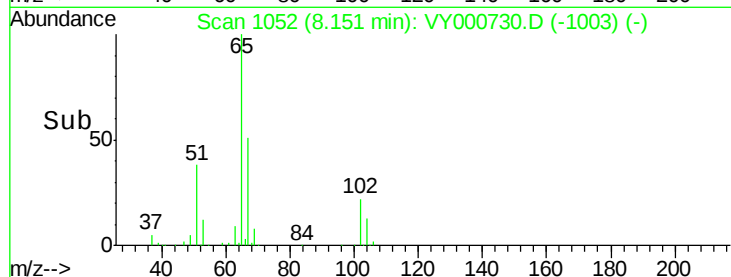
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

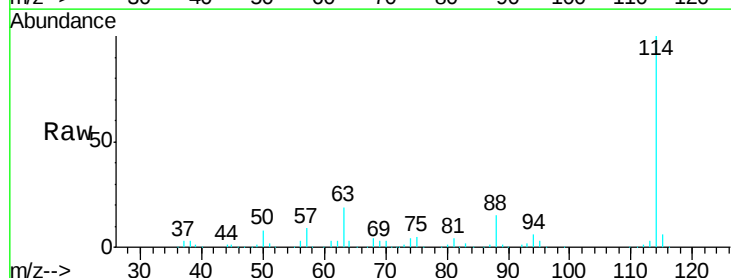
Tgt Ion: 114 Resp: 308542

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 15.1 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): VY000486.D (-1132) (-)

Ion 63.00 (62.70 to 63.70): VY000486.D (-1132) (-)

Ion 87.90 (87.60 to 88.60): VY000486.D (-1132) (-)

8.70

200000

150000

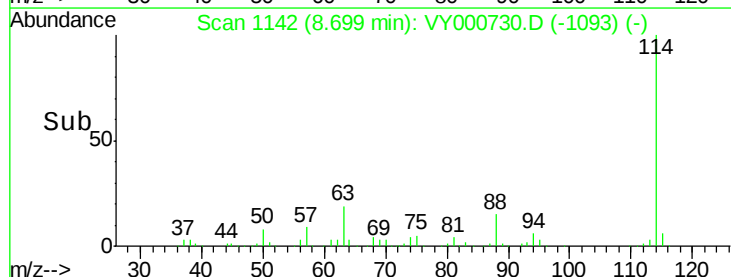
100000

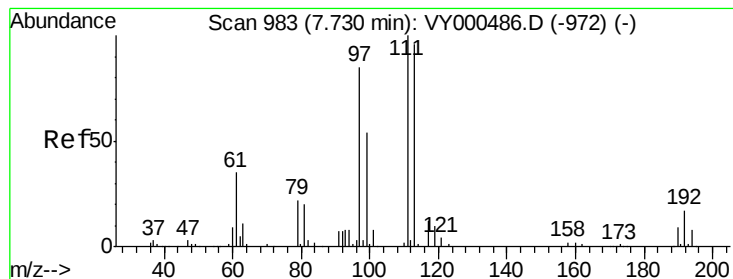
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 51.668 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampled :

EP-20RE

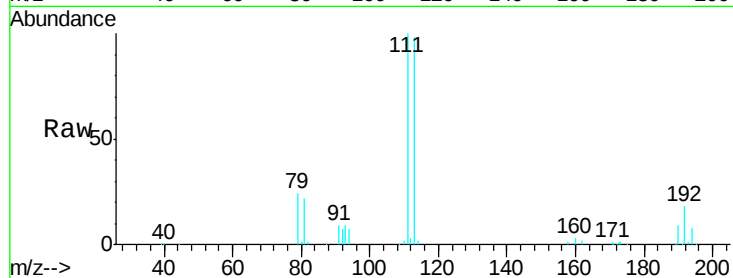
Tgt Ion:113 Resp: 93589

Ion Ratio Lower Upper

113 100

111 105.2 81.7 122.5

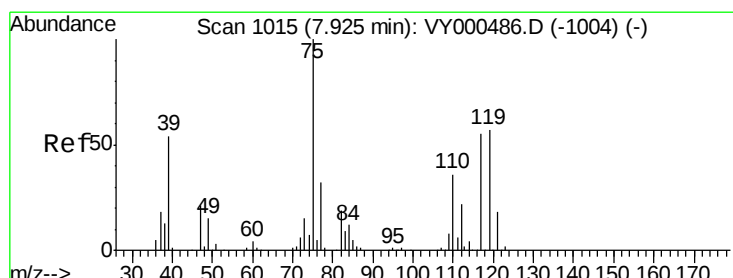
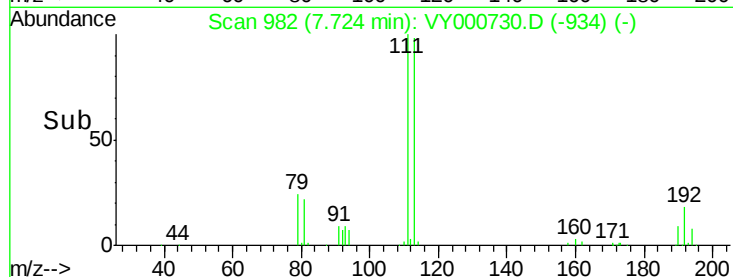
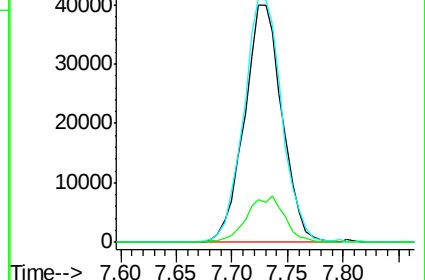
192 19.6 15.0 22.4



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: 4.635 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

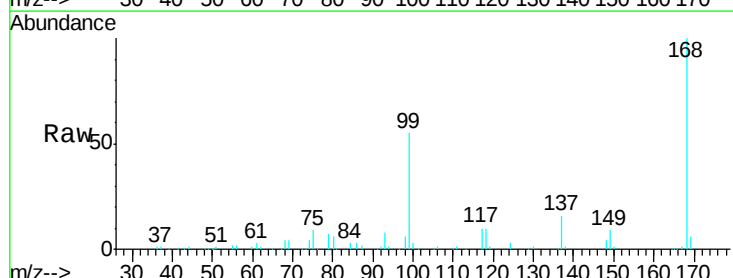
Tgt Ion: 75 Resp: 13520

Ion Ratio Lower Upper

75 100

110 4.3 18.1 54.1#

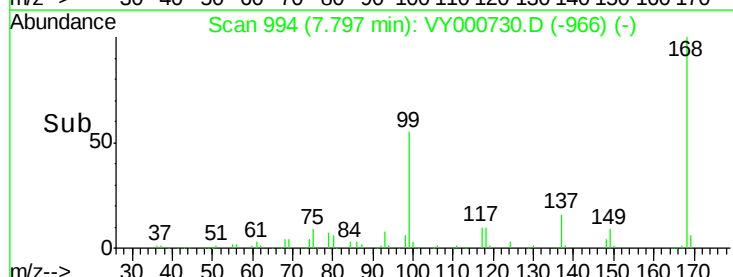
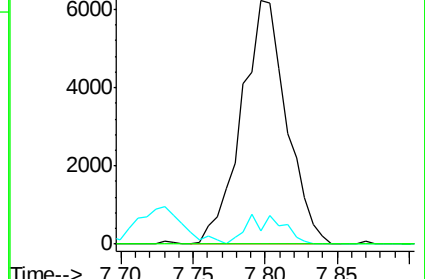
77 0.0 25.0 37.6#

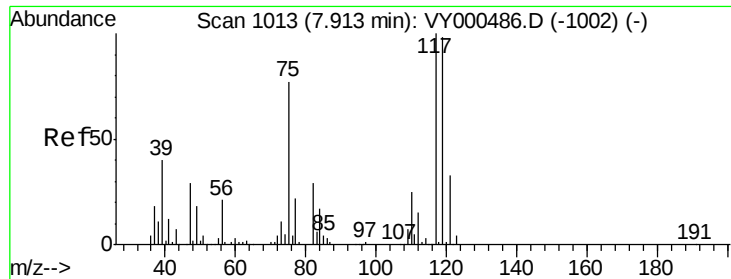


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

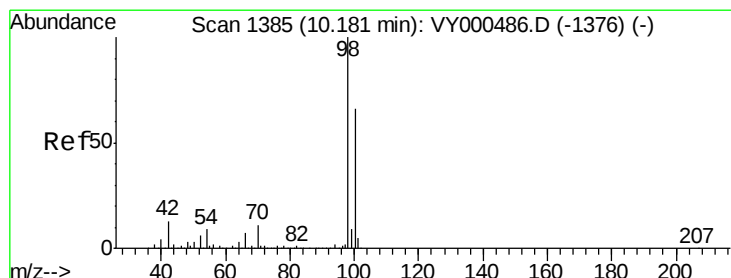
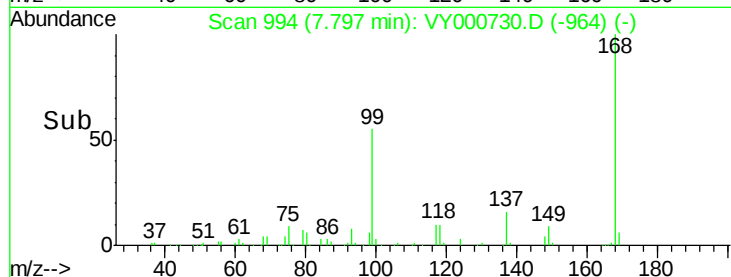
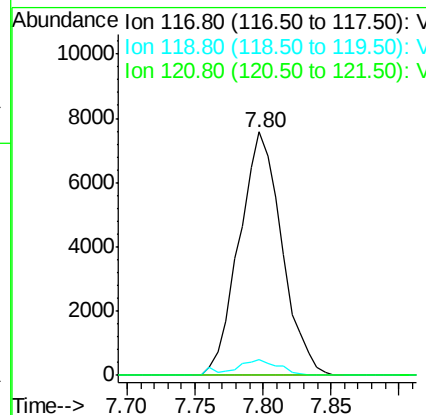
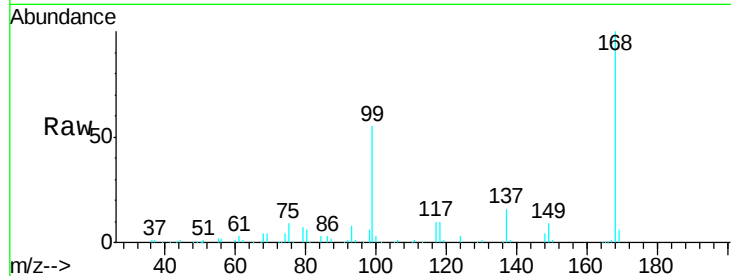




#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000730.D
Acq: 18 Nov 2019 16:26

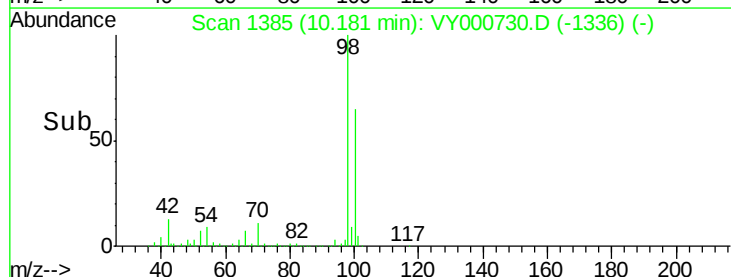
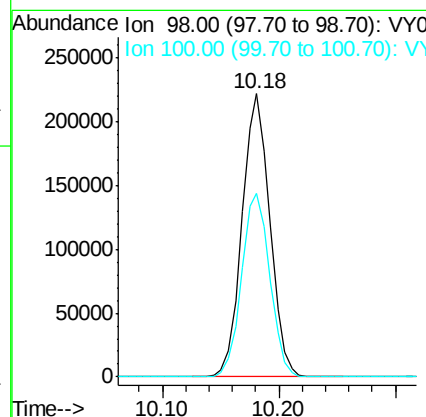
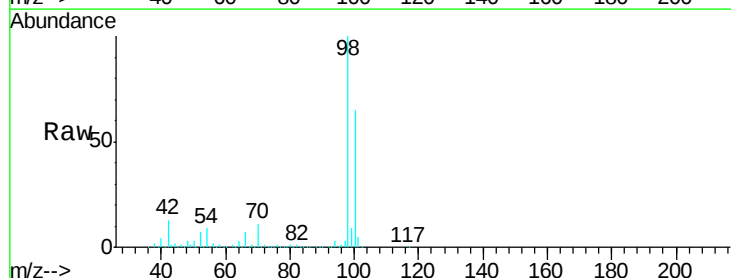
Instrument :
MSVOA_Y
ClientSampleId :
EP-20RE

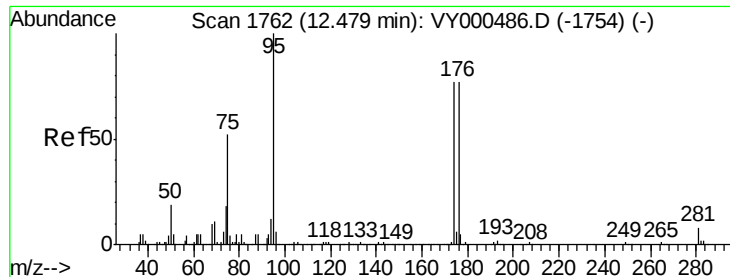
Tgt Ion:117 Resp: 16648
Ion Ratio Lower Upper
117 100
119 6.5 78.0 117.0#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.704 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000730.D
Acq: 18 Nov 2019 16:26

Tgt Ion: 98 Resp: 369112
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

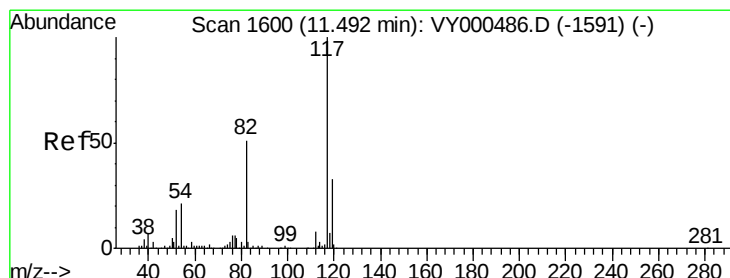
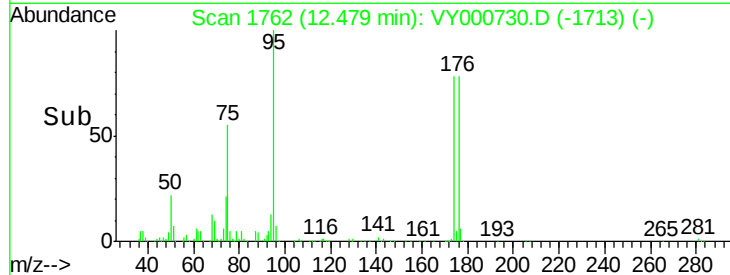
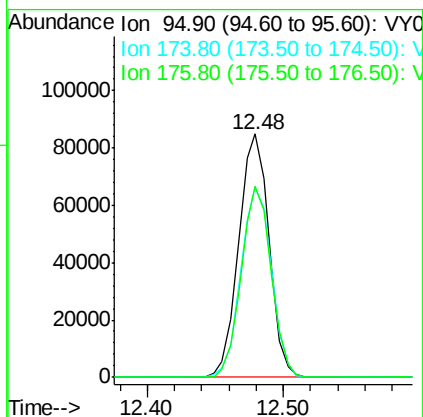
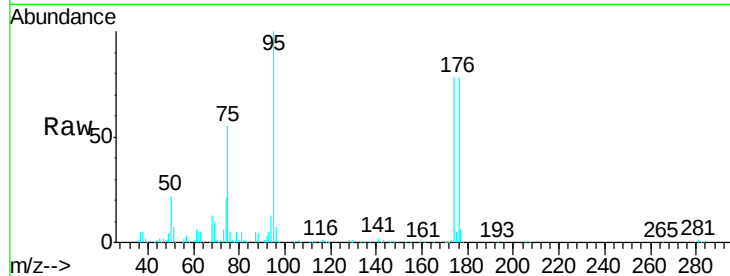




#62
4-Bromofluorobenzene
Concen: 50.261 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000730.D
Acq: 18 Nov 2019 16:26

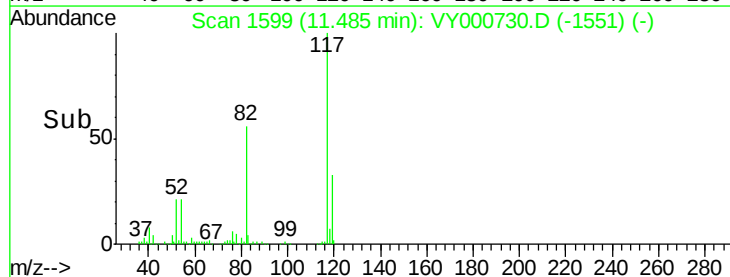
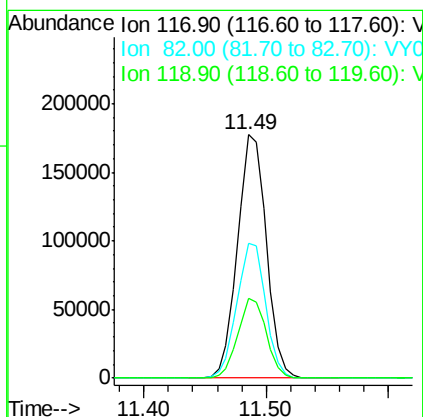
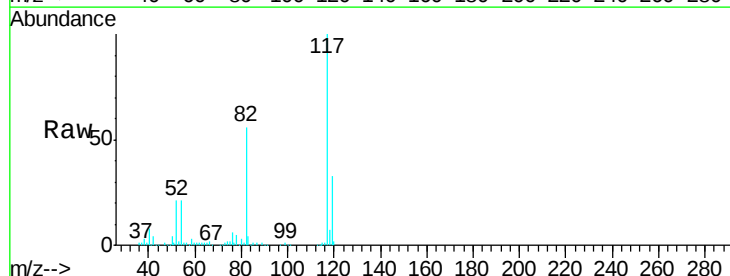
Instrument :
MSVOA_Y
ClientSampled :
EP-20RE

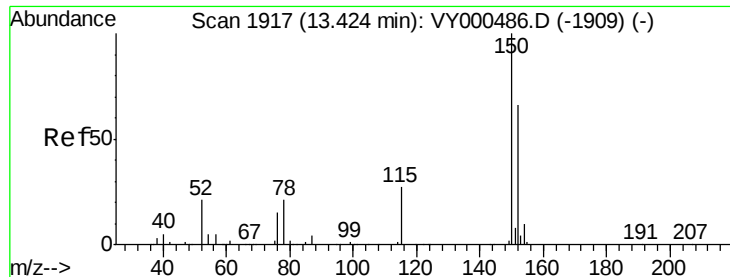
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.6
176	77.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000730.D
Acq: 18 Nov 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	40.8	61.2
119	32.6	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: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-20RE

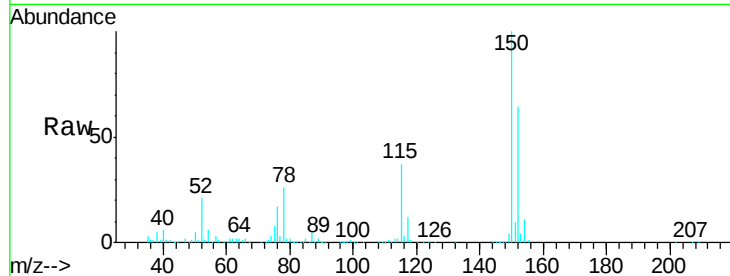
Tgt Ion:152 Resp: 138315

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.4

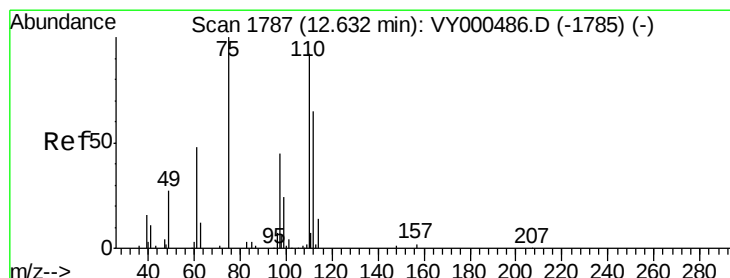
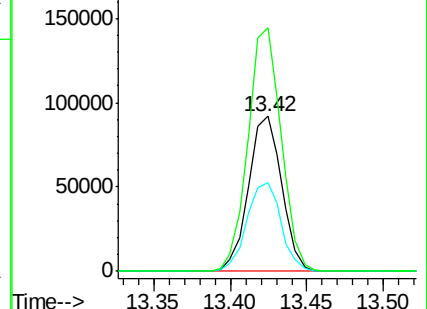
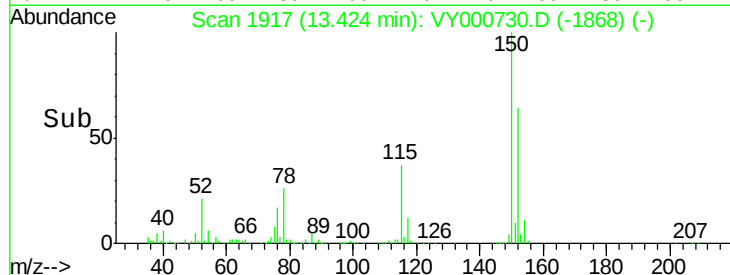
150 157.5 0.0 348.8



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: 44.441 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000730.D

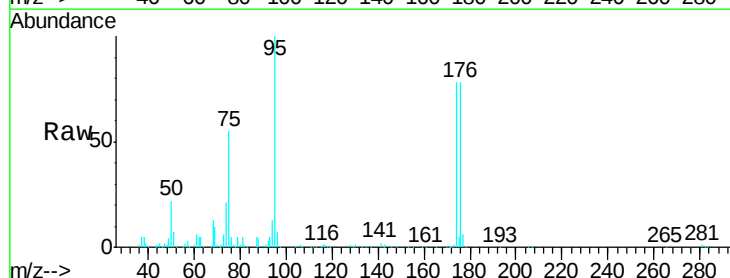
Acq: 18 Nov 2019 16:26

Tgt Ion: 75 Resp: 69990

Ion Ratio Lower Upper

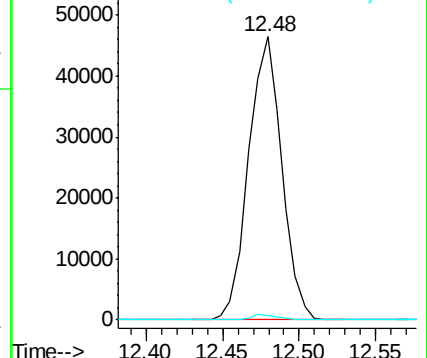
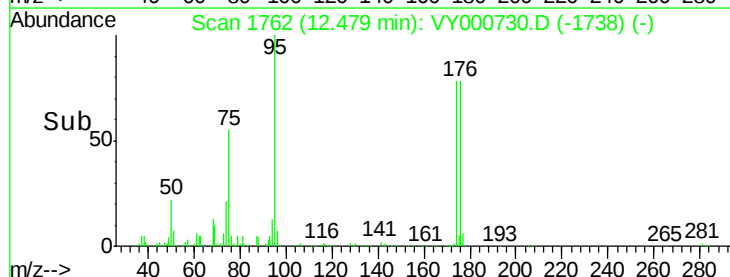
75 100

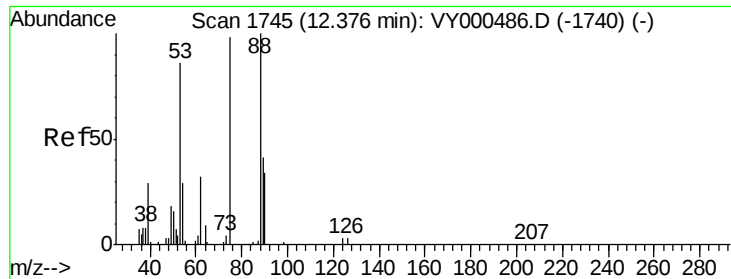
77 1.5 0.0 0.0#



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: 99.642 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000730.D

Acq: 18 Nov 2019 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-20RE

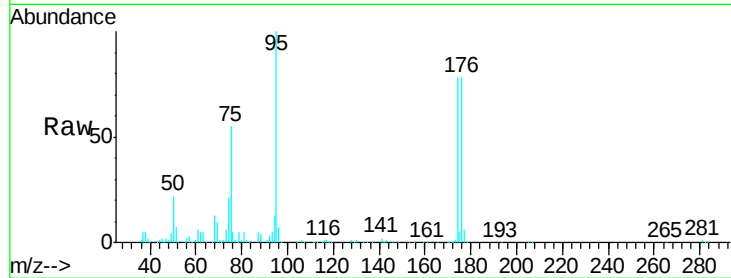
Tgt Ion: 75 Resp: 69990

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

