

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000552.D
 Acq On : 06 Nov 2019 15:32
 Operator : SY/MD
 Sample : K5710-06
 Misc : 6.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP- 32-S2

Quant Time: Nov 07 04:57:06 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	192696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	345708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	316845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143201	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	116669	58.51	ug/l	0.00
Spiked Amount			Recovery	=	117.02%	
35) Dibromofluoromethane	7.73	113	104229	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	10.18	98	403686	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.48	95	137451	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

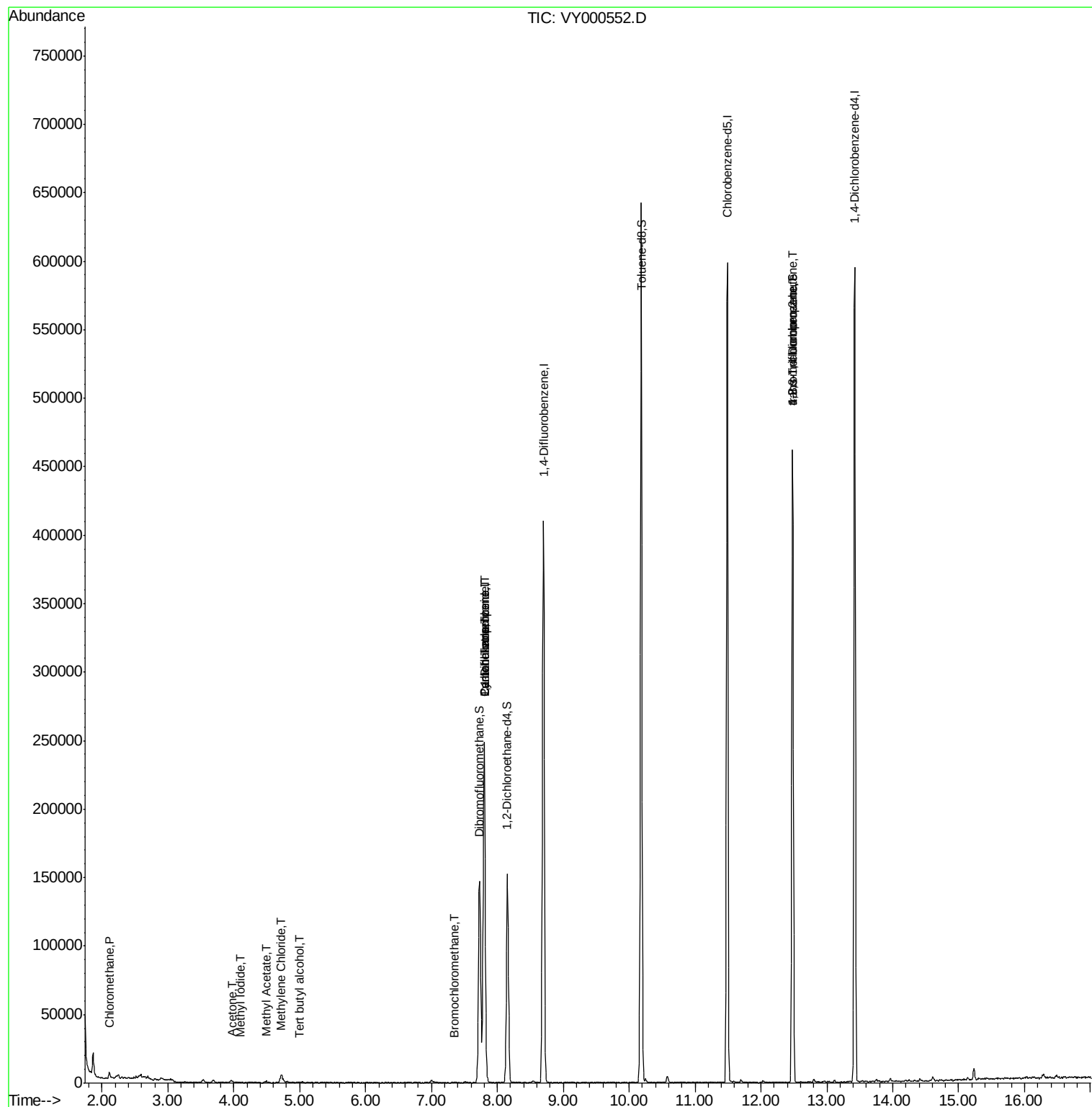
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	3369	1.289	ug/l	100
10) Methyl Iodide	4.10	142	240	3.285	ug/l #	70
11) Tert butyl alcohol	4.99	59	620	3.194	ug/l #	72
16) Acetone	3.97	43	2422	4.407	ug/l #	73
18) Methyl Acetate	4.49	43	1851	1.083	ug/l	91
20) Methylene Chloride	4.72	84	3291	1.397	ug/l #	79
28) Bromochloromethane	7.35	49	22	4.105	ug/l #	14
31) Cyclohexane	7.80	56	4206	1.090	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	15006	4.592	ug/l #	50
38) Carbon Tetrachloride	7.80	117	18555	5.900	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	73955	45.356	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73955	101.695	ug/l #	13

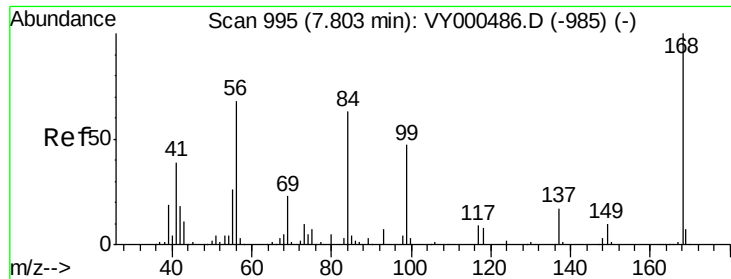
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000552.D

Acq: 06 Nov 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

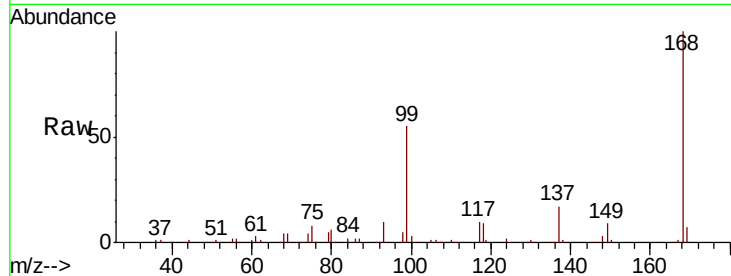
TP- 32-S2

Tot Ion:168 Resp: 192696

Ion Ratio Lower Upper

168 100

99 55.5 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

80000

60000

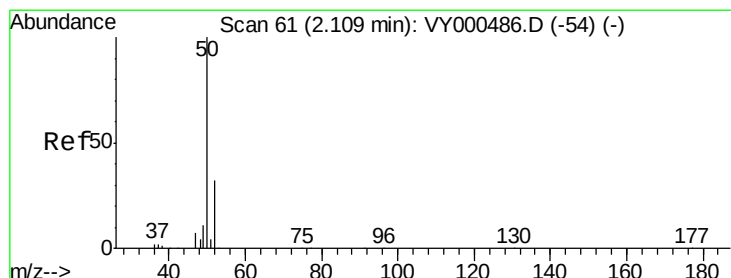
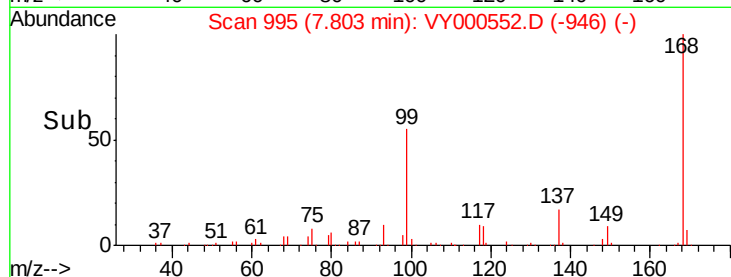
40000

20000

0

Time-->

7.70 7.80 7.90



#3

Chloromethane

Concen: 1.289 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000552.D

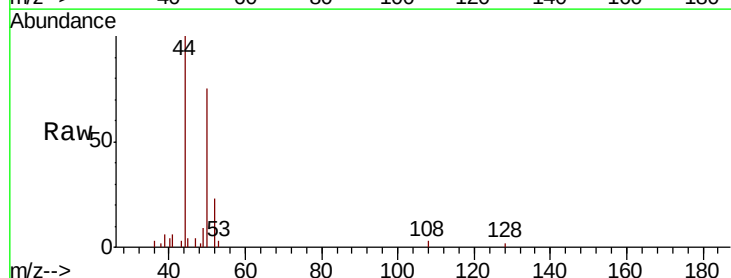
Acq: 06 Nov 2019 15:32

Tgt Ion: 50 Resp: 3369

Ion Ratio Lower Upper

50 100

52 31.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.11

2500

2000

1500

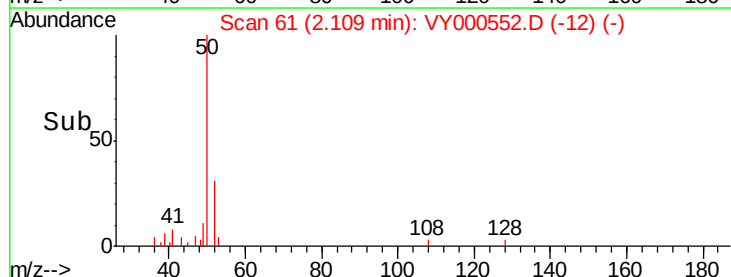
1000

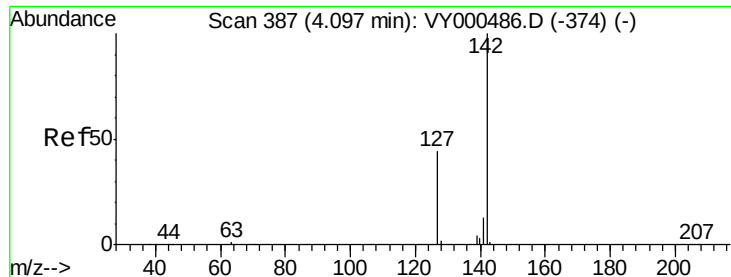
500

0

Time-->

2.05 2.10 2.15 2.20

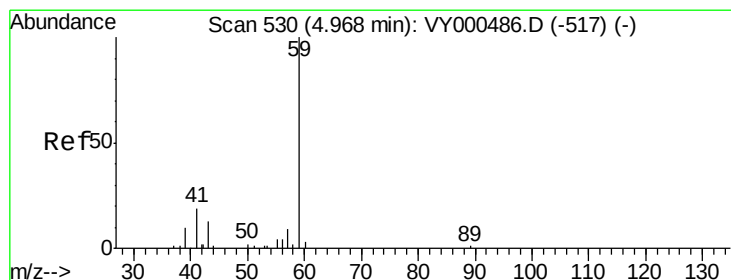
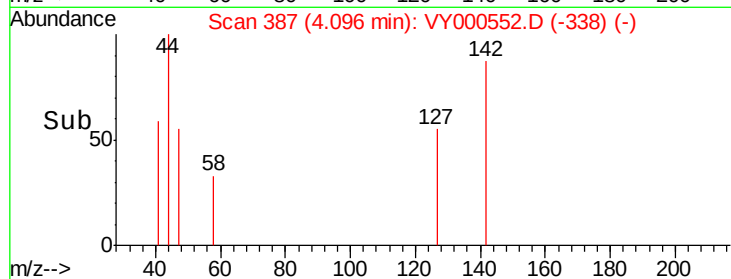
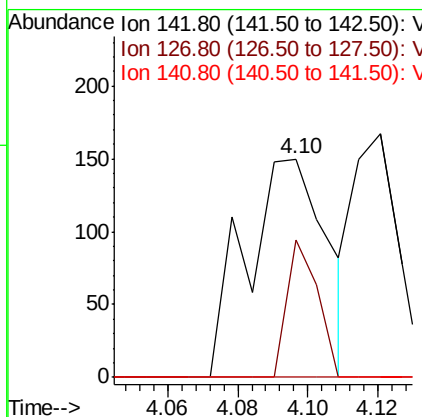
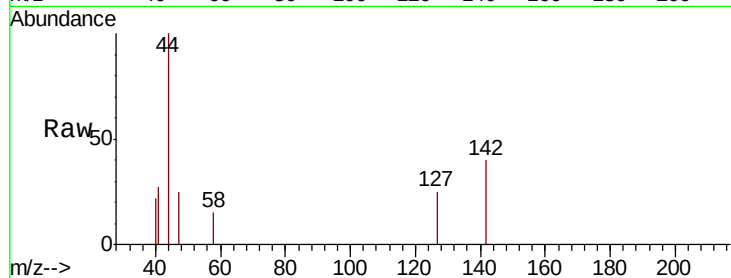




#10
Methvl Iodide
Concen: 3.285 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

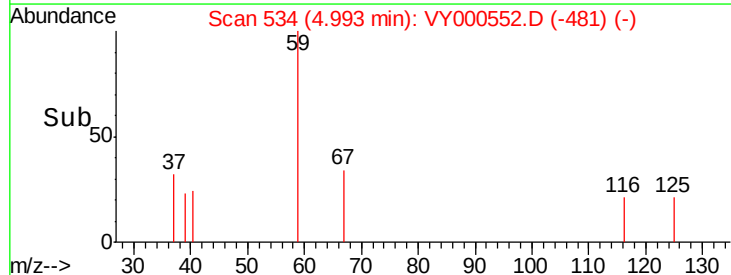
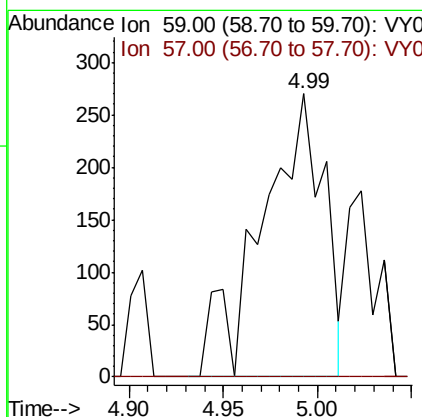
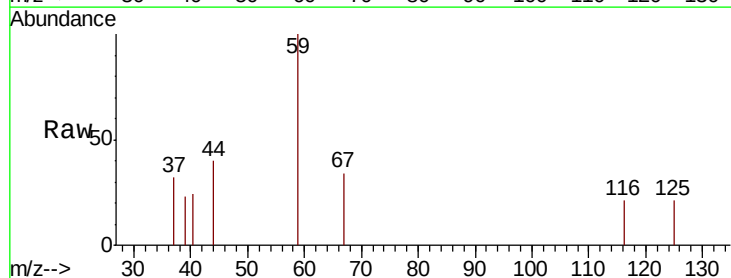
Instrument :
MSVOA_Y
ClientSampled :
TP- 32-S2

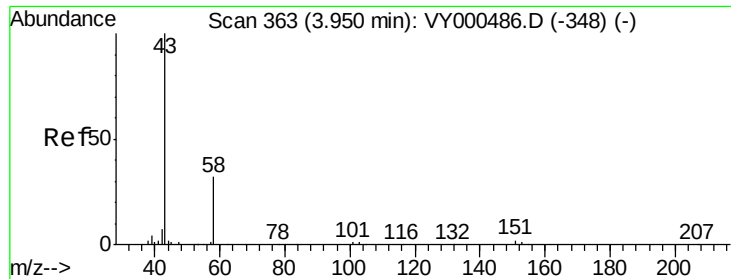
Tot Ion:142 Resp: 240
Ion Ratio Lower Upper
142 100
127 24.2 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 3.194 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

Tgt Ion: 59 Resp: 620
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 4.407 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000552.D

Acq: 06 Nov 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

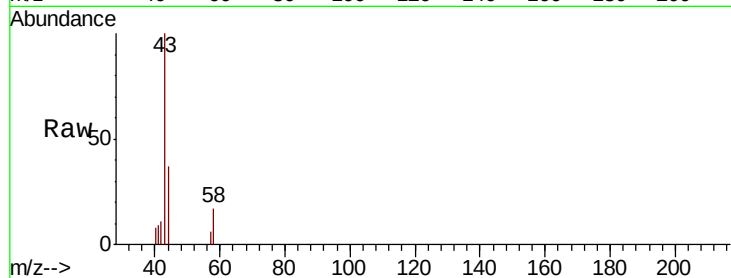
TP- 32-S2

Tot Ion: 43 Resp: 2422

Ion Ratio Lower Upper

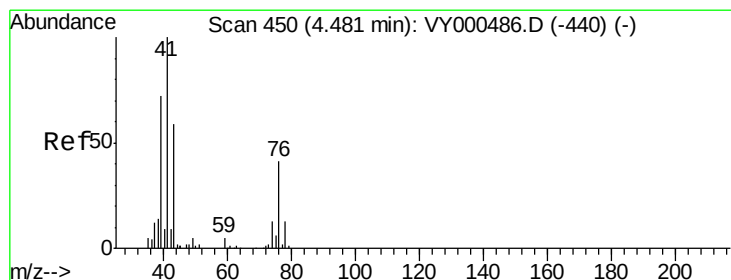
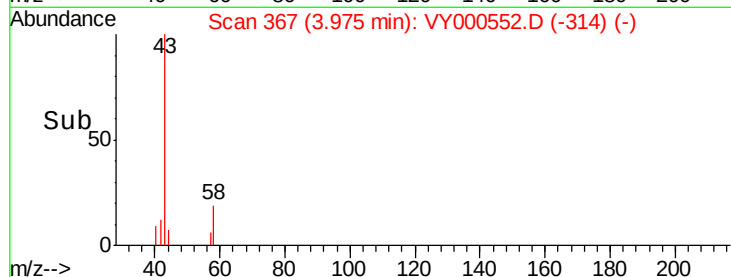
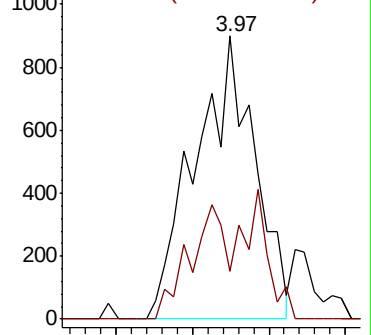
43 100

58 17.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.083 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000552.D

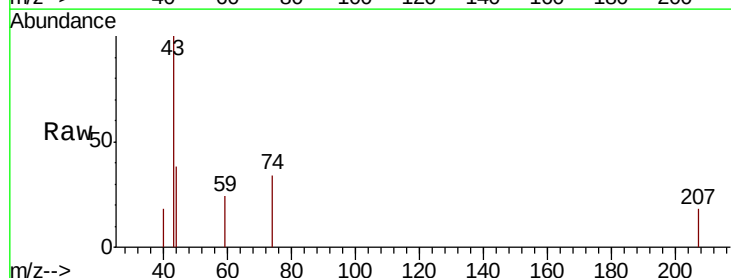
Acq: 06 Nov 2019 15:32

Tgt Ion: 43 Resp: 1851

Ion Ratio Lower Upper

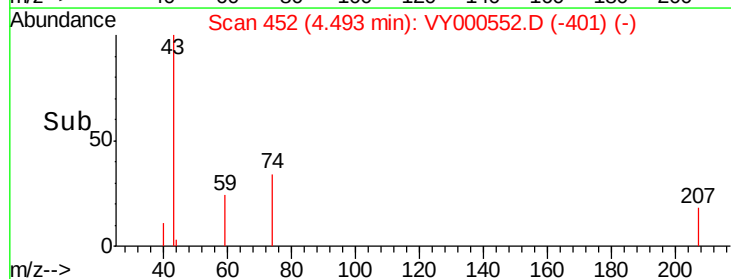
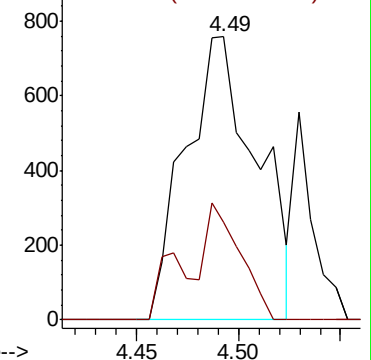
43 100

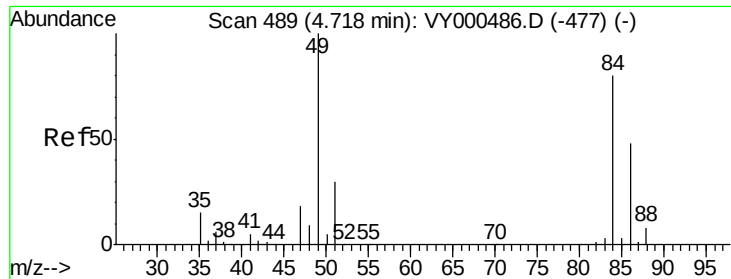
74 19.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

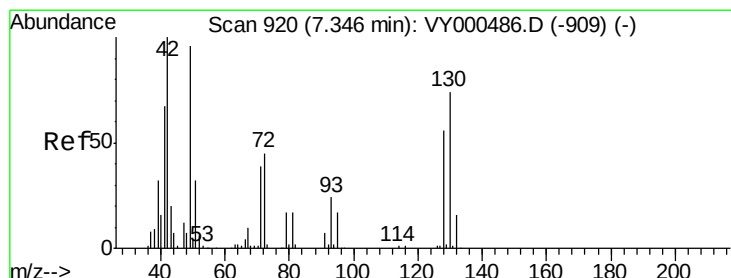
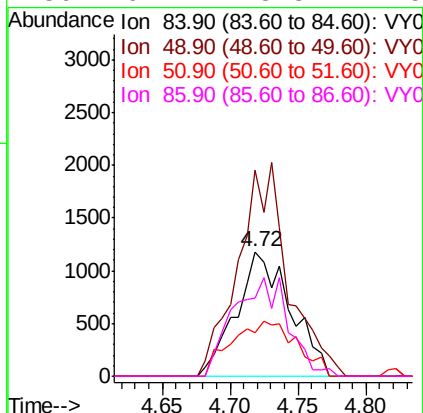
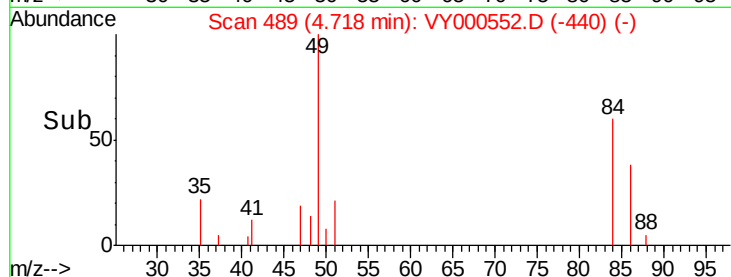
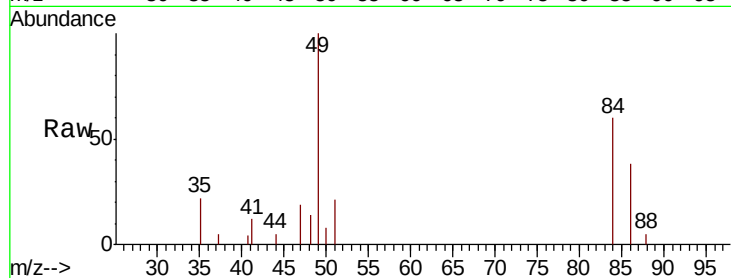




#20
Methvlene Chloride
Concen: 1.397 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

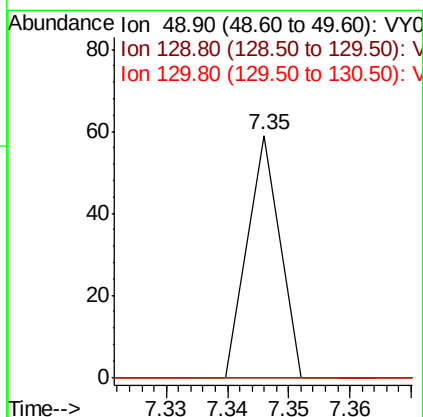
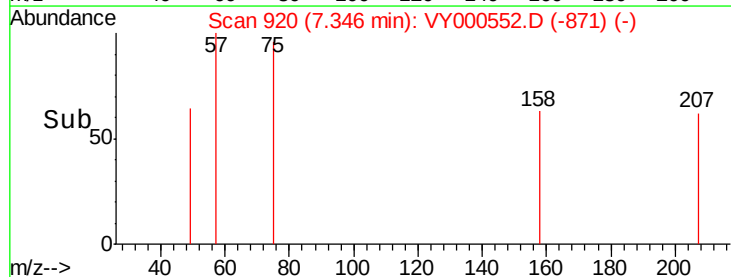
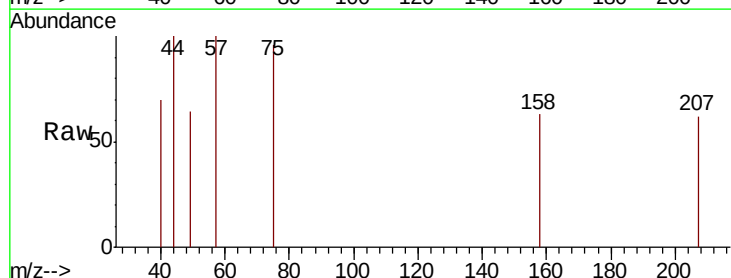
Instrument :
MSVOA_Y
ClientSampleId :
TP- 32-S2

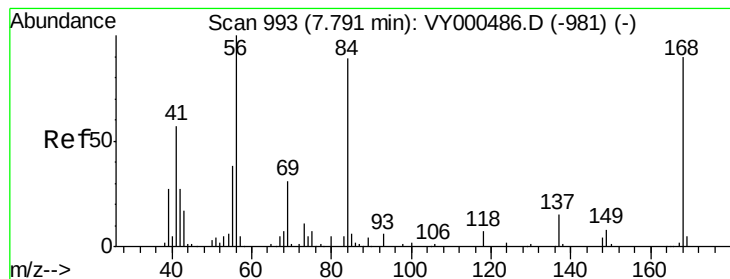
Tot Ion: 84 Resp: 3291
Ion Ratio Lower Upper
84 100
49 165.4 100.2 150.4#
51 34.7 29.6 44.4
86 62.2 48.3 72.5



#28
Bromochloromethane
Concen: 4.105 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000552.D

Acq: 06 Nov 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

TP- 32-S2

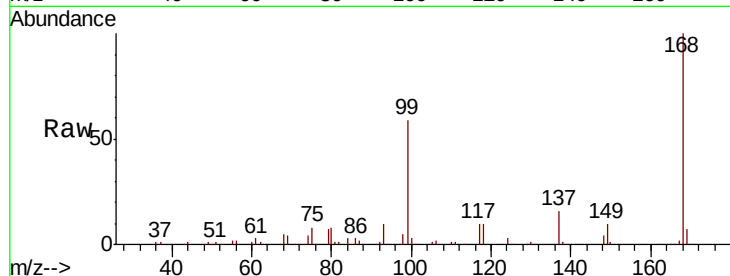
Tot Ion: 56 Resp: 4206

Ion Ratio Lower Upper

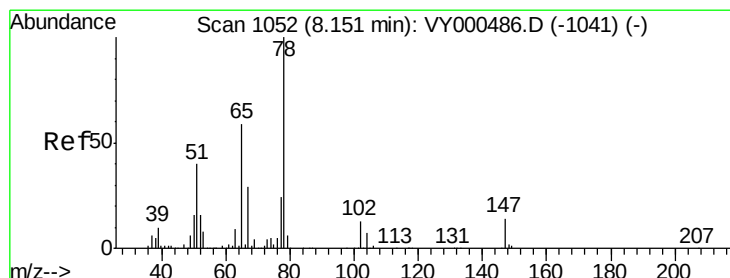
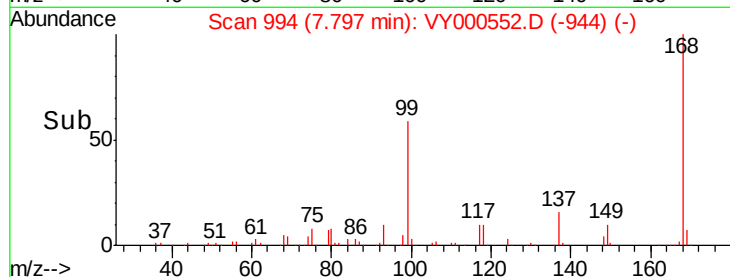
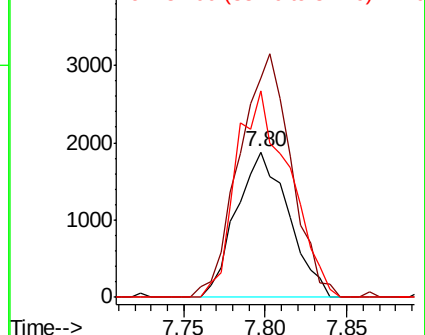
56 100

69 151.2 25.0 37.6#

84 142.0 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: 58.506 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000552.D

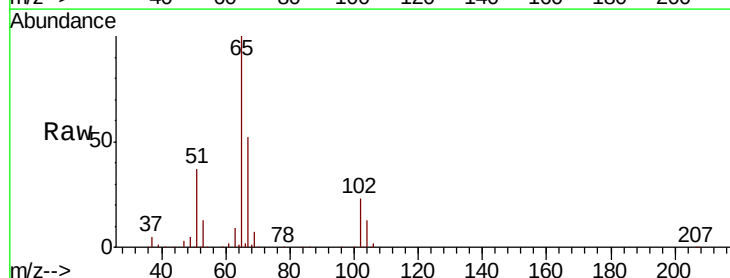
Acq: 06 Nov 2019 15:32

Tgt Ion: 65 Resp: 116669

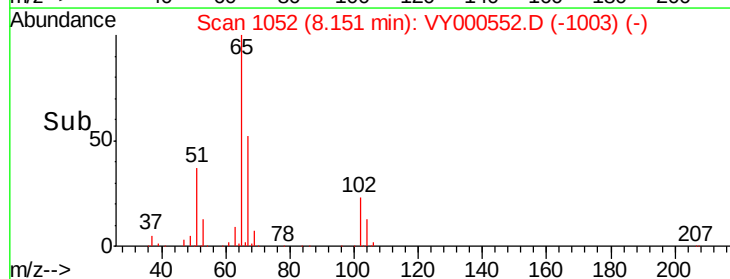
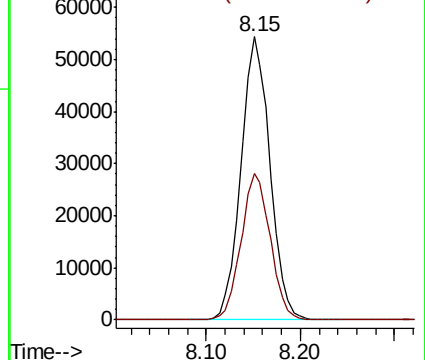
Ion Ratio Lower Upper

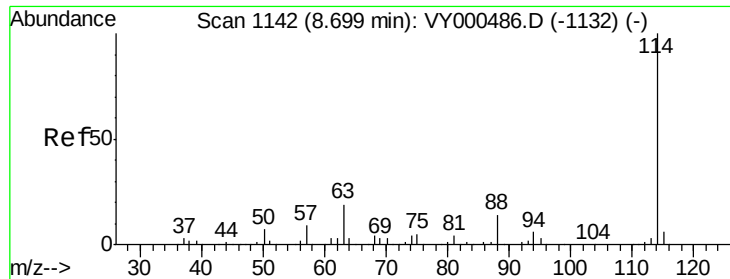
65 100

67 52.0 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: VY000552.D

Acq: 06 Nov 2019 15:32

Instrument :

MSVOA_Y

ClientSampleId :

TP- 32-S2

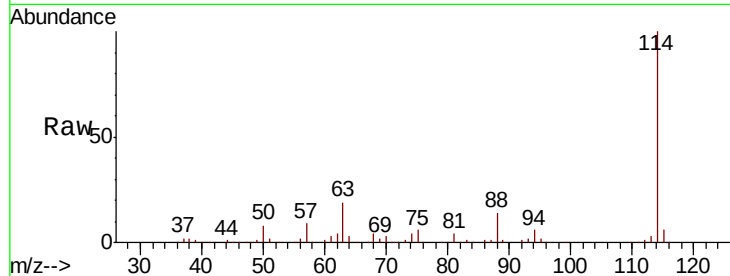
Tot Ion:114 Resp: 345708

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

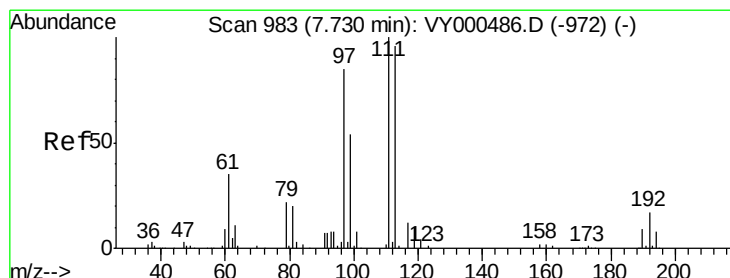
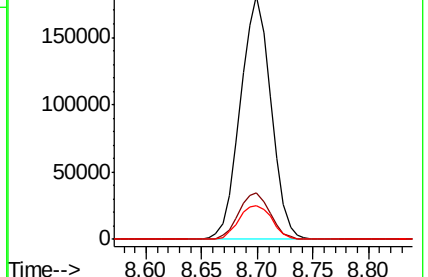
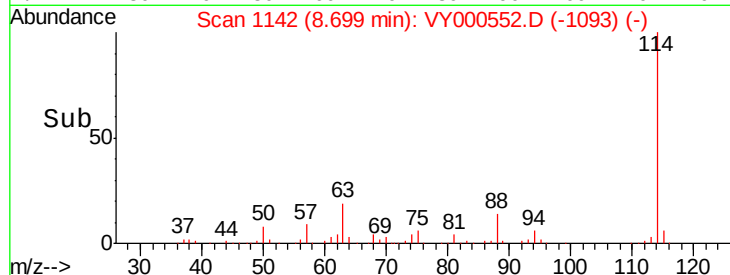
88 14.1 0.0 28.6



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: 51.356 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000552.D

Acq: 06 Nov 2019 15:32

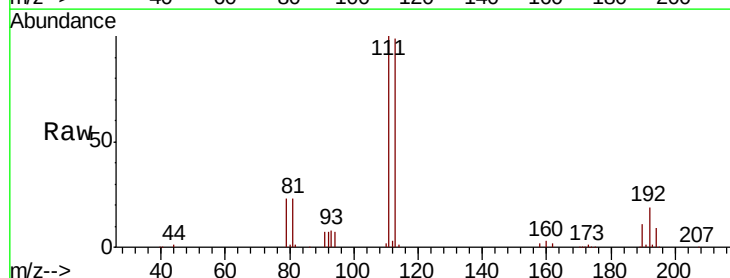
Tgt Ion:113 Resp: 104229

Ion Ratio Lower Upper

113 100

111 100.0 81.7 122.5

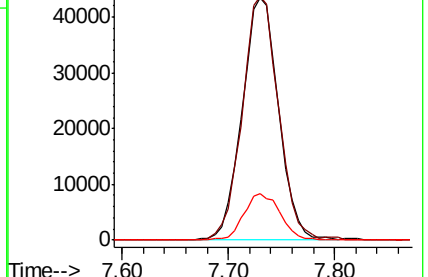
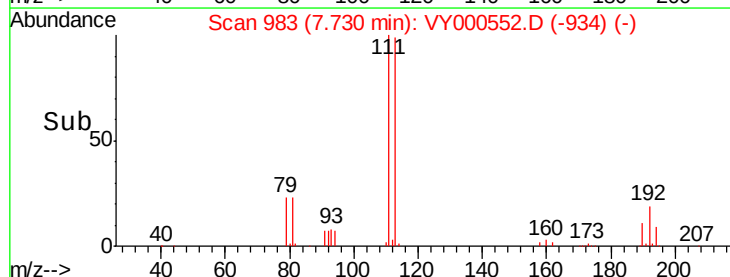
192 19.1 15.0 22.4

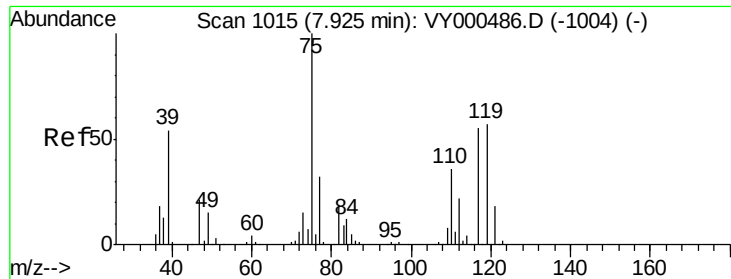


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

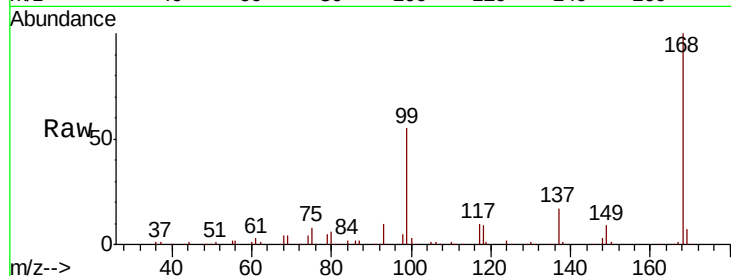




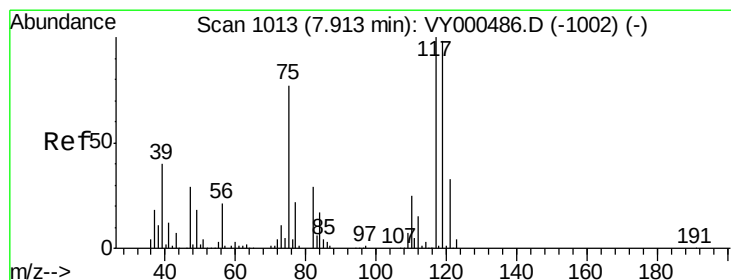
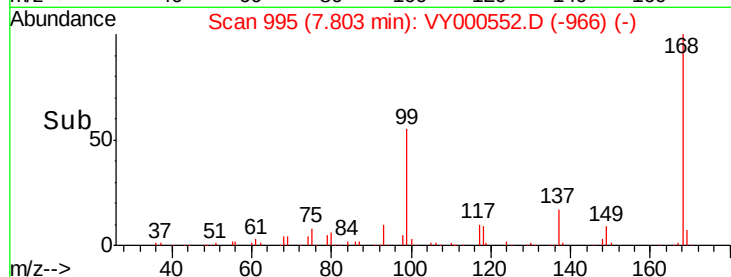
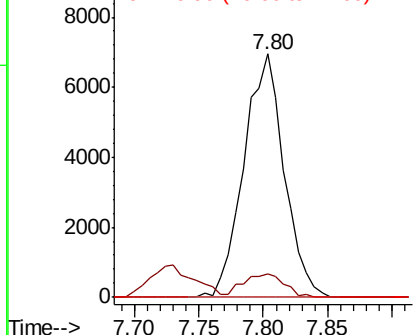
#36
 1,1-Dichloropropene
 Concen: 4.592 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000552.D
 Acq: 06 Nov 2019 15:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP- 32-S2

Tot Ion	75	Resp	15006
Ion Ratio	Lower	Upper	
75	100		
110	9.8	18.1	54.1#
77	0.0	25.0	37.6#

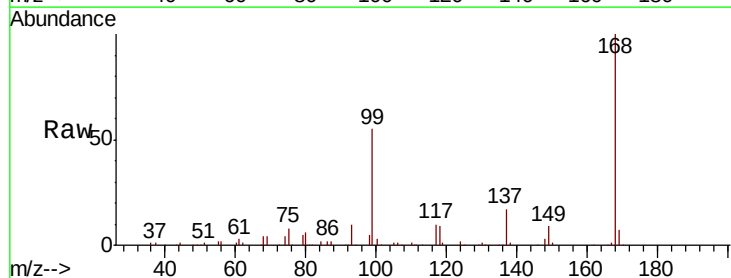


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

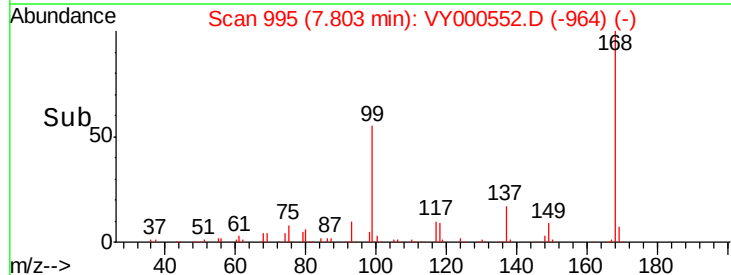
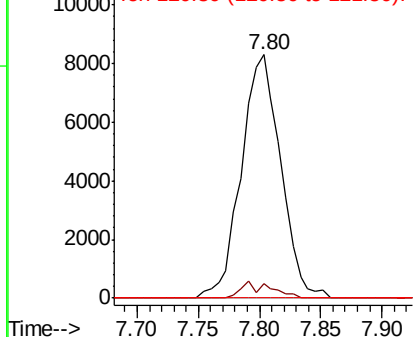


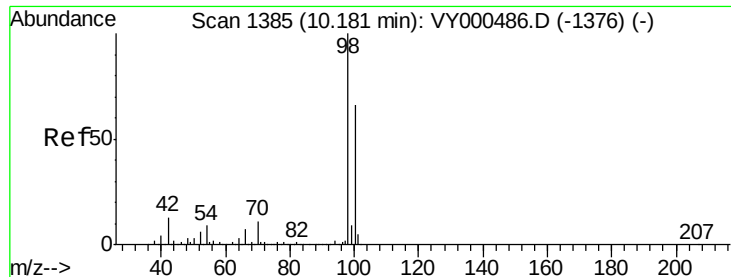
#38
 Carbon Tetrachloride
 Concen: 5.900 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000552.D
 Acq: 06 Nov 2019 15:32

Tgt Ion	117	Resp	18555
Ion Ratio	Lower	Upper	
117	100		
119	6.0	78.0	117.0#
121	0.0	26.6	40.0#



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

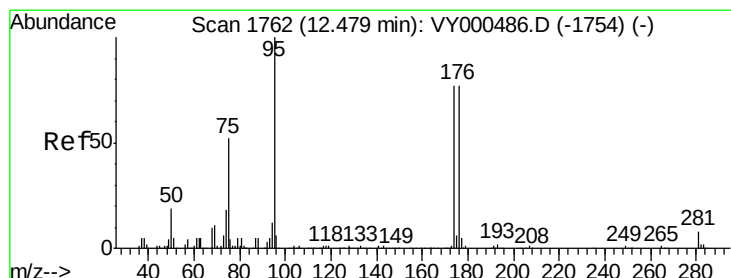
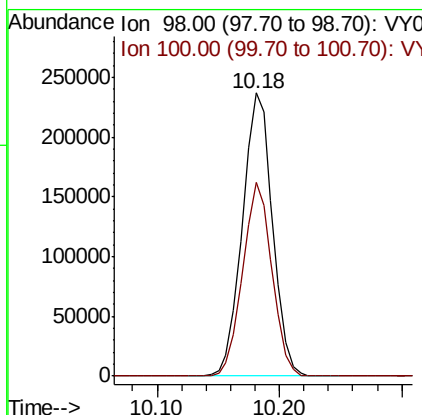
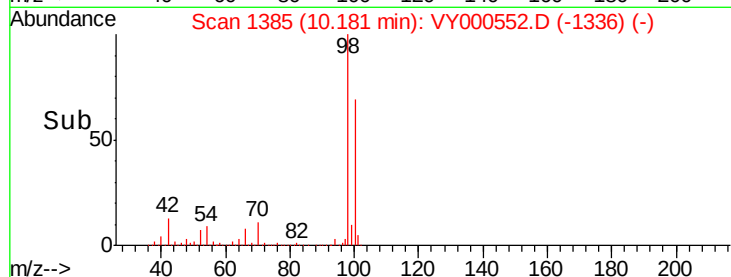
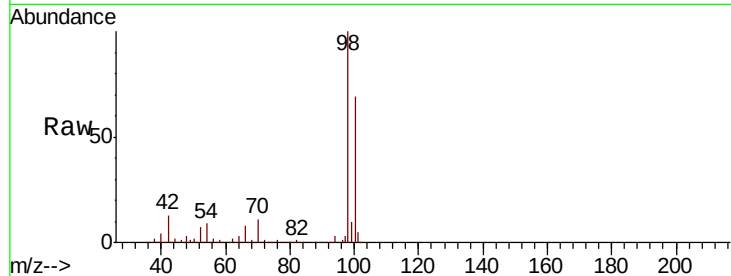




#50
Toluene-d8
Concen: 52.420 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

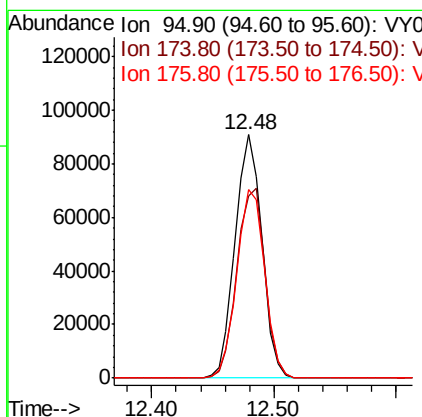
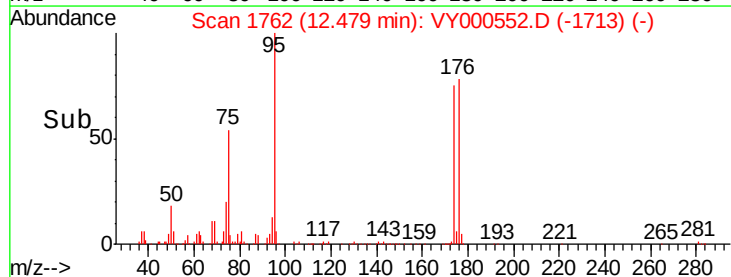
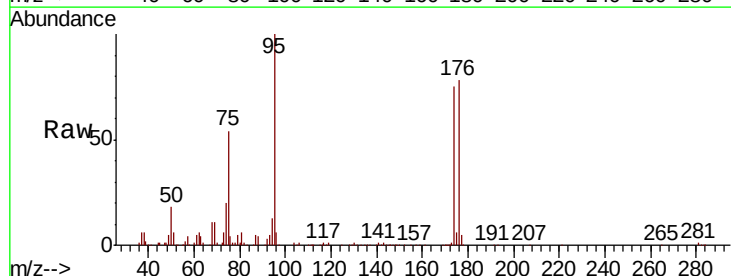
Instrument :
MSVOA_Y
ClientSampled :
TP- 32-S2

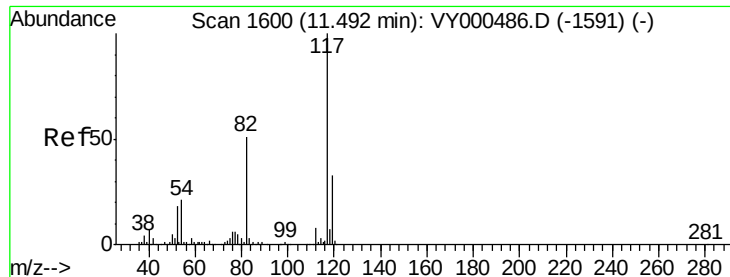
Tot Ion: 98 Resp: 403686
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.884 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

Tgt Ion: 95 Resp: 137451
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.6
176 80.7 0.0 157.8

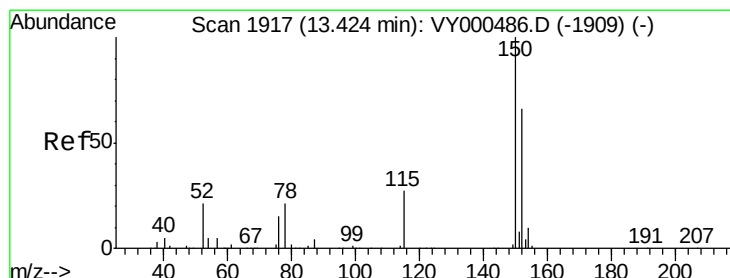
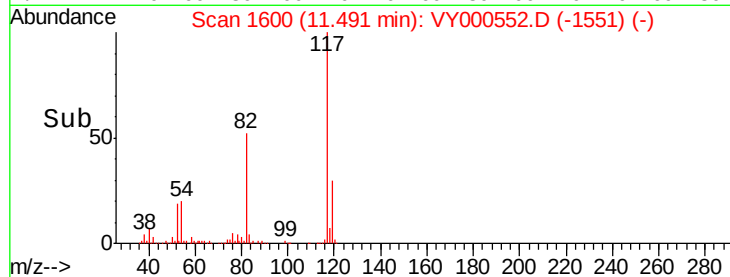
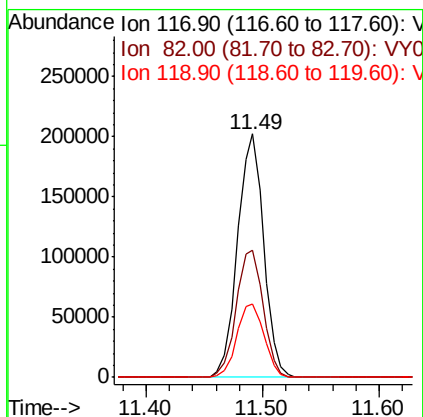
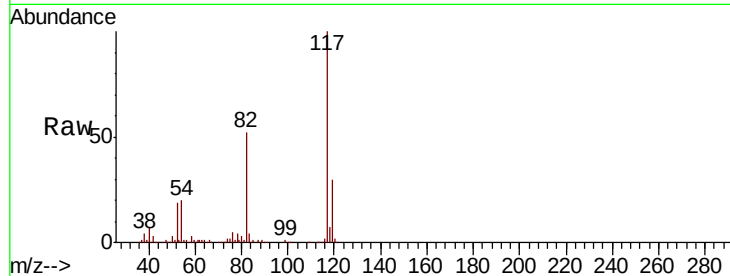




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

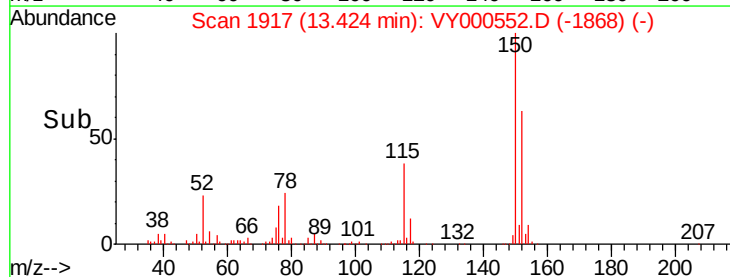
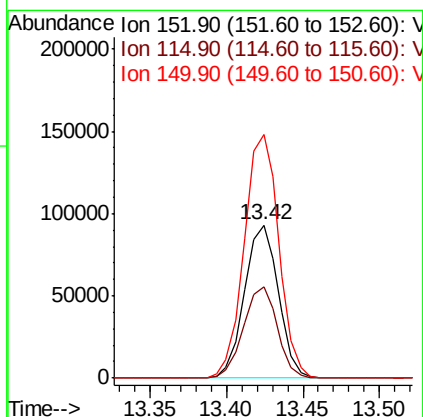
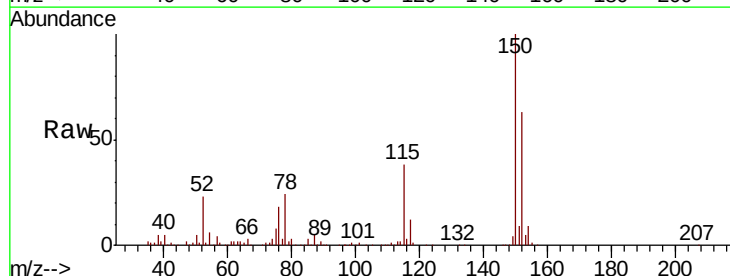
Instrument :
MSVOA_Y
ClientSampleId :
TP- 32-S2

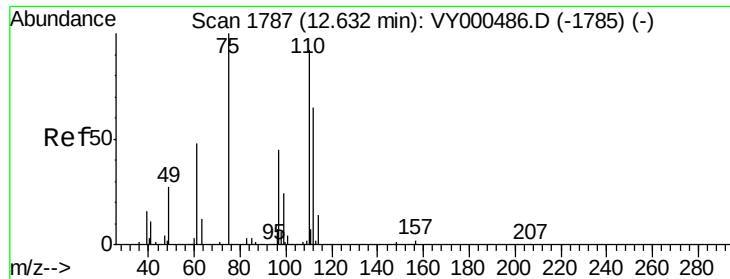
Tot Ion:117 Resp: 316845
Ion Ratio Lower Upper
117 100
82 52.2 40.8 61.2
119 30.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000552.D
Acq: 06 Nov 2019 15:32

Tgt Ion:152 Resp: 143201
Ion Ratio Lower Upper
152 100
115 59.4 29.1 87.4
150 162.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 45.356 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000552.D

Acq: 06 Nov 2019 15:32

Instrument :

MSVOA_Y

ClientSampled :

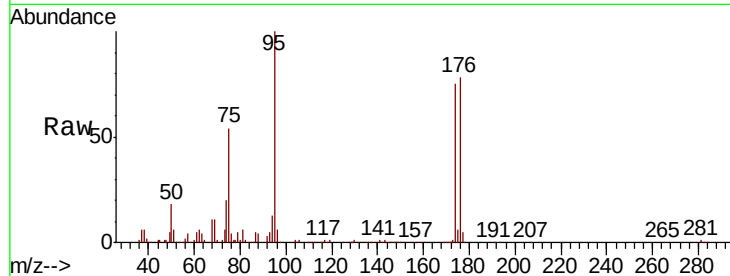
TP- 32-S2

Tot Ion: 75 Resp: 73955

Ion Ratio Lower Upper

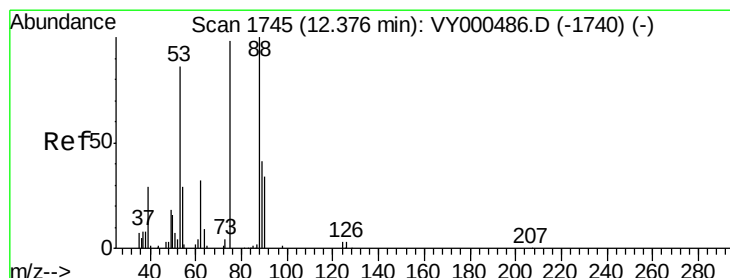
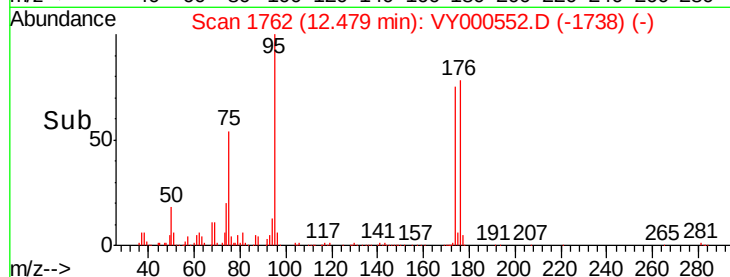
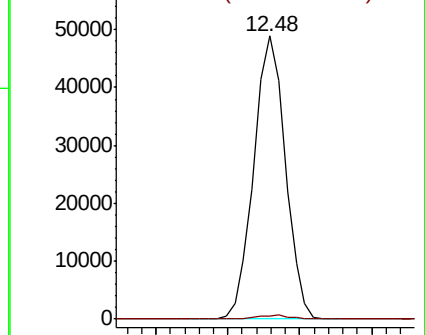
75 100

77 1.4 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: 101.695 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000552.D

Acq: 06 Nov 2019 15:32

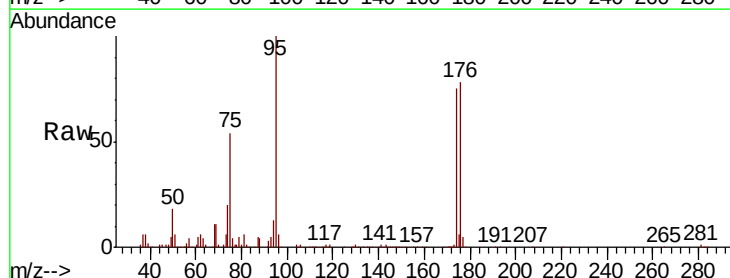
Tgt Ion: 75 Resp: 73955

Ion Ratio Lower Upper

75 100

53 0.1 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

