

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000782.D
 Acq On : 22 Nov 2019 10:47
 Operator : SY/MD
 Sample : VY1122SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBL01

Quant Time: Nov 23 03:59:45 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	279587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	518510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	451692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	192620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	172822	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
35) Dibromofluoromethane	7.73	113	151858	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.18	98	613246	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.48	95	198518	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

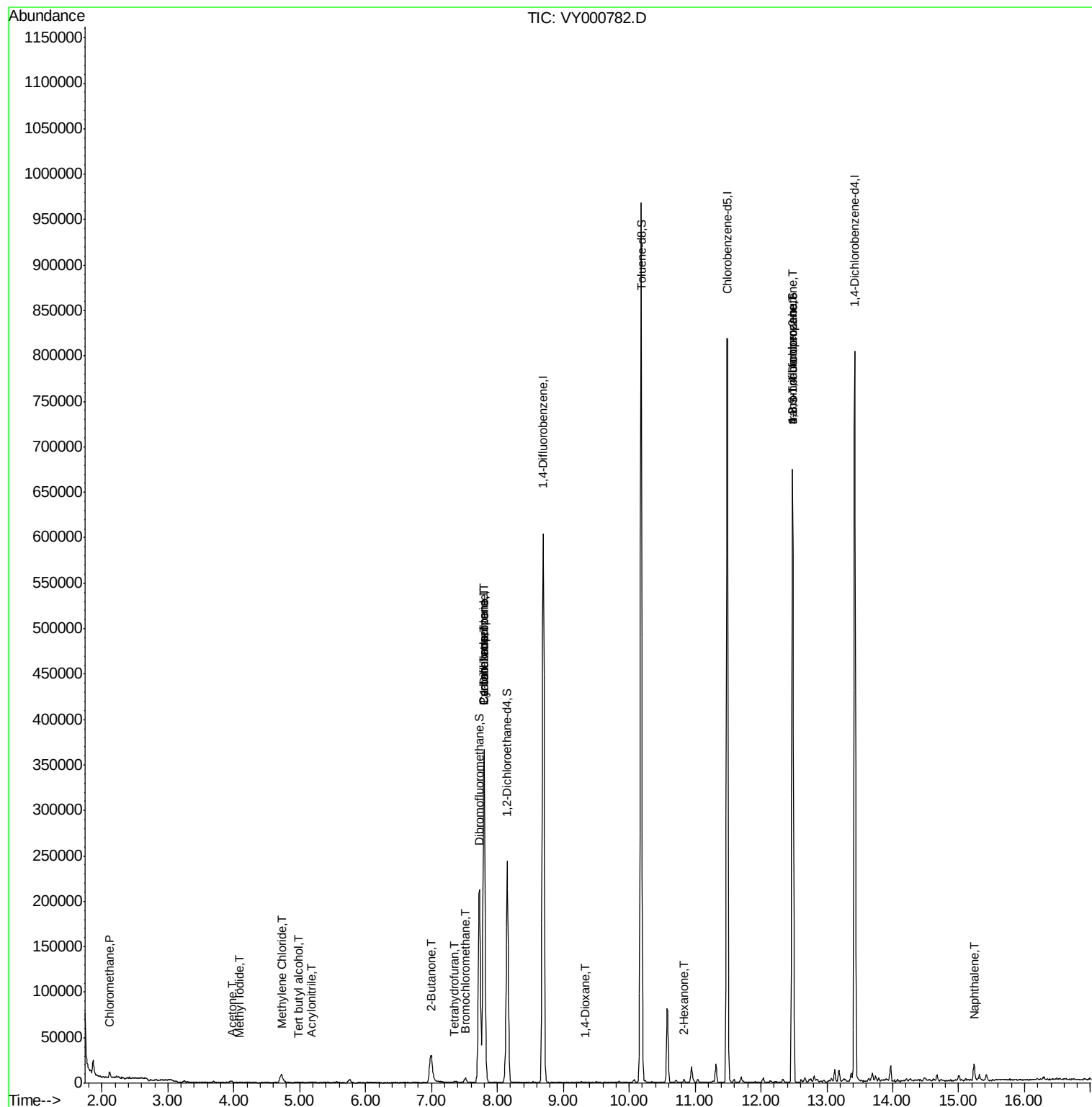
						Qvalue
3) Chloromethane	2.11	50	5593	1.475	ug/l #	81
10) Methyl Iodide	4.09	142	363	3.289	ug/l #	90
11) Tert butyl alcohol	4.97	59	327	1.161	ug/l #	72
15) Acrylonitrile	5.18	53	977	1.129	ug/l #	52
16) Acetone	3.96	43	2873	3.603	ug/l #	88
20) Methylene Chloride	4.73	84	6296	1.843	ug/l	90
25) 2-Butanone	7.00	43	2913	2.289	ug/l	98
28) Bromochloromethane	7.52	49	171	4.157	ug/l #	14
29) Tetrahydrofuran	7.35	42	1041	1.337	ug/l #	57
31) Cyclohexane	7.80	56	6252	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	23118	4.716	ug/l #	48
38) Carbon Tetrachloride	7.79	117	28678	6.080	ug/l #	17
49) 1,4-Dioxane	9.33	88	37	1.413	ug/l #	27
59) 2-Hexanone	10.83	43	2214	1.045	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	103535	47.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	103535	105.843	ug/l #	13
95) Naphthalene	15.23	128	13221	1.525	ug/l	97

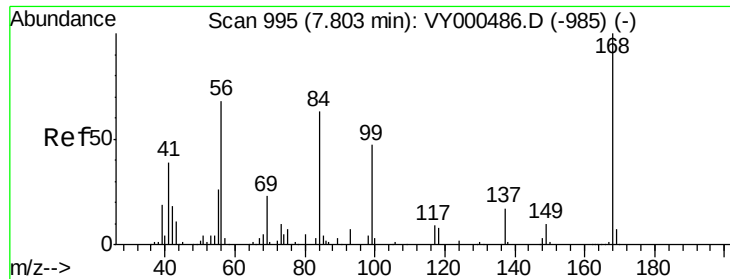
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:59:45 2019
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: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

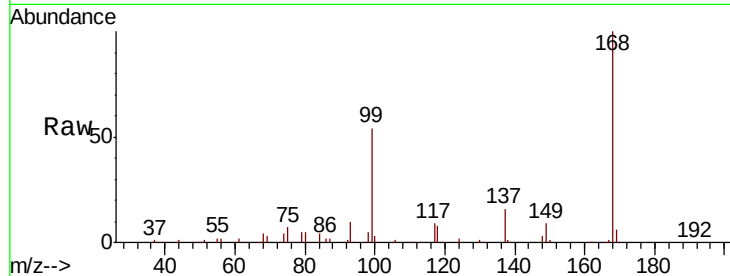
VY1122SBL01

Tot Ion:168 Resp: 279587

Ion Ratio Lower Upper

168 100

99 54.4 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

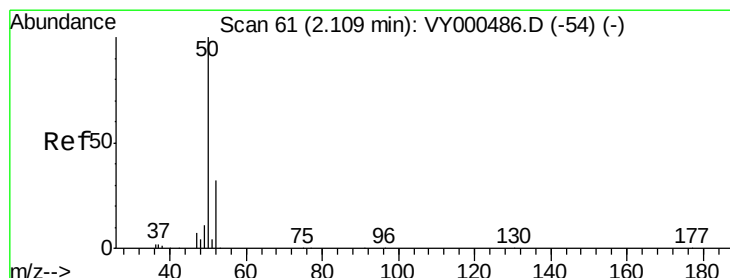
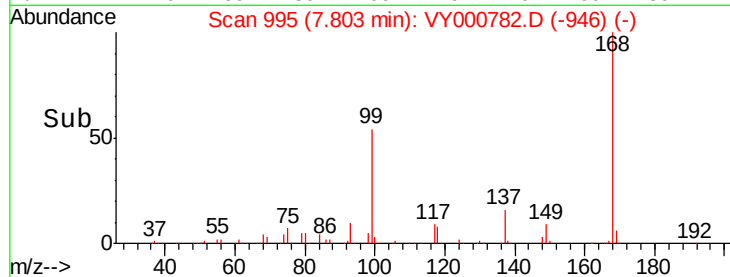
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.475 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000782.D

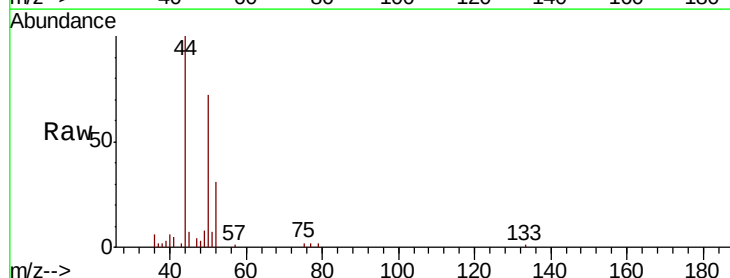
Acq: 22 Nov 2019 10:47

Tgt Ion: 50 Resp: 5593

Ion Ratio Lower Upper

50 100

52 42.3 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

4000

3000

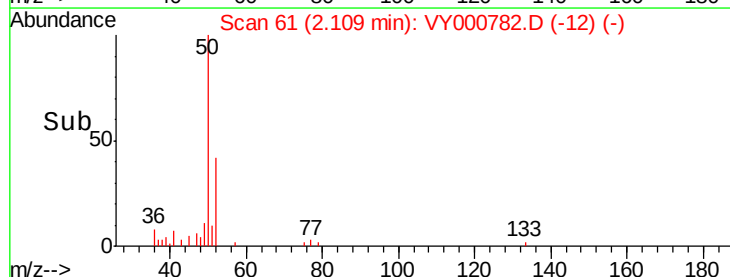
2000

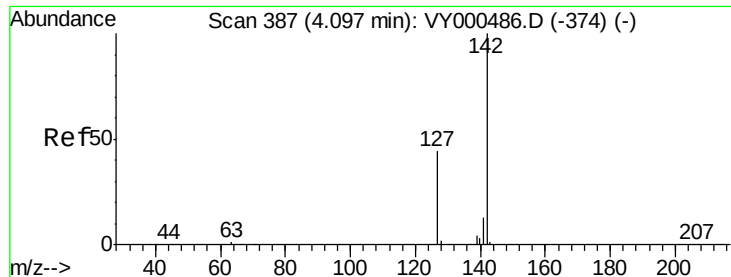
1000

0

2.05 2.10 2.15 2.20

Time-->





#10

Methvl Iodide

Concen: 3.289 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBL01

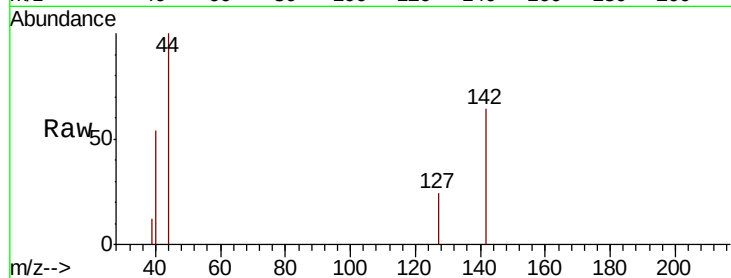
Tot Ion:142 Resp: 363

Ion Ratio Lower Upper

142 100

127 43.5 33.7 50.5

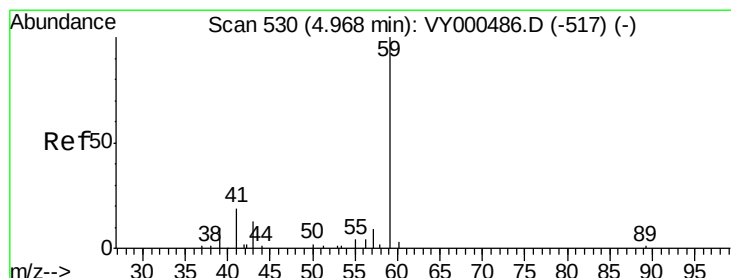
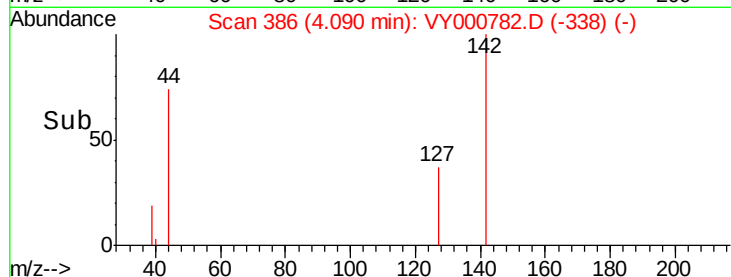
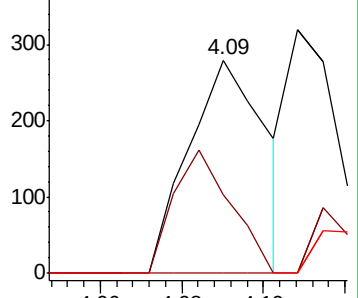
141 0.0 10.9 16.3#



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: 1.161 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000782.D

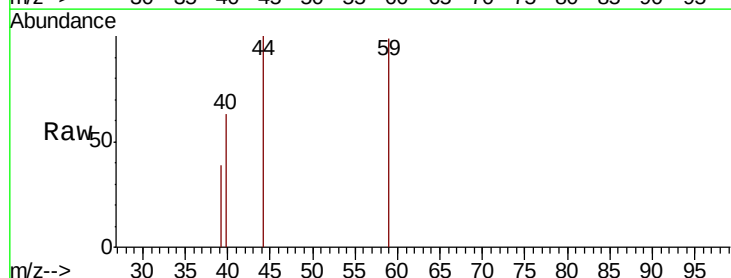
Acq: 22 Nov 2019 10:47

Tgt Ion: 59 Resp: 327

Ion Ratio Lower Upper

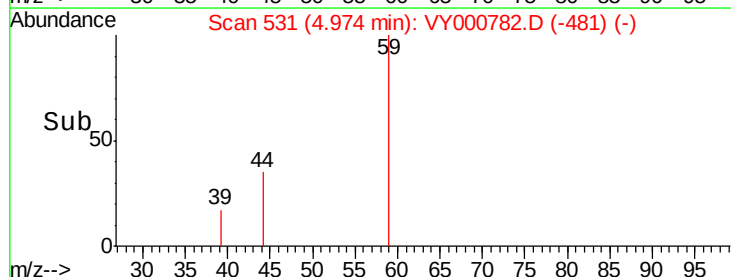
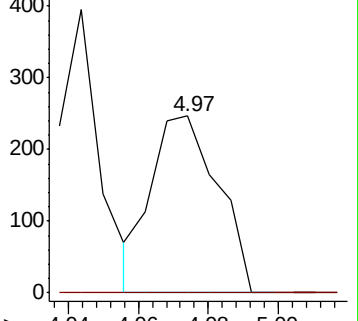
59 100

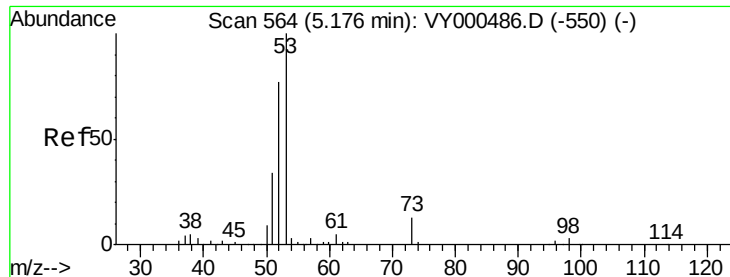
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#15

Acrylonitrile

Concen: 1.129 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBL01

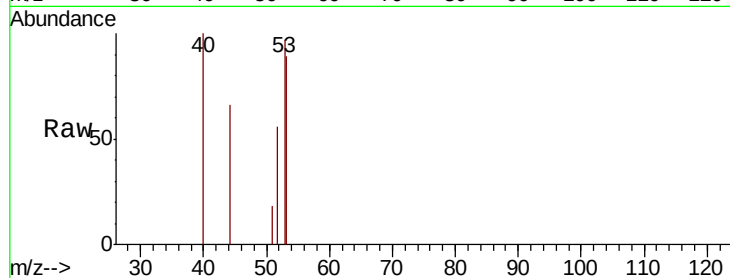
Tot Ion: 53 Resp: 977

Ion Ratio Lower Upper

53 100

52 39.8 64.9 97.3#

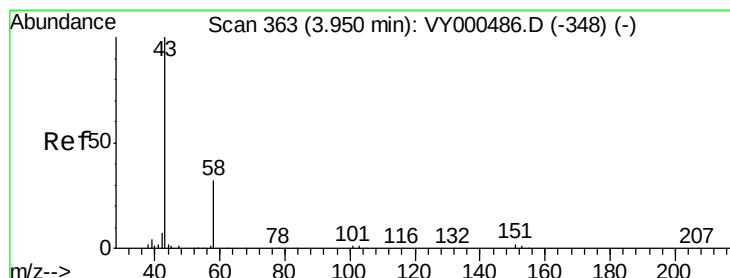
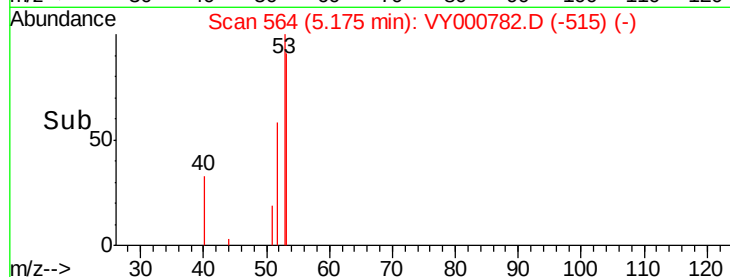
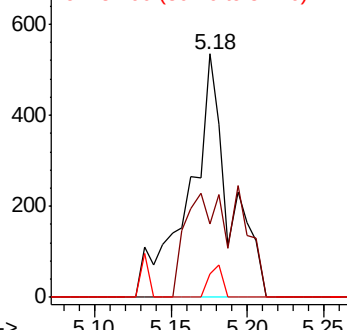
51 4.6 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 3.603 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000782.D

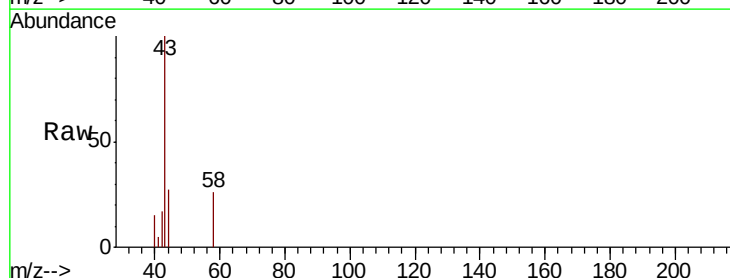
Acq: 22 Nov 2019 10:47

Tgt Ion: 43 Resp: 2873

Ion Ratio Lower Upper

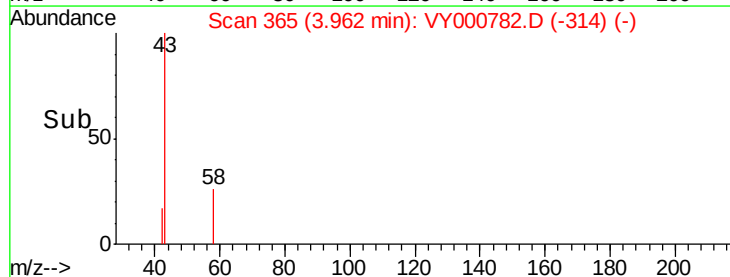
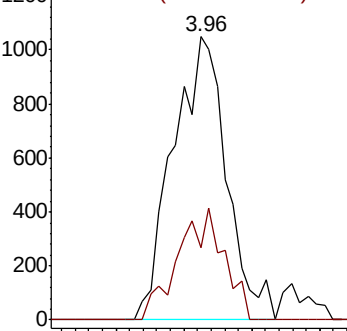
43 100

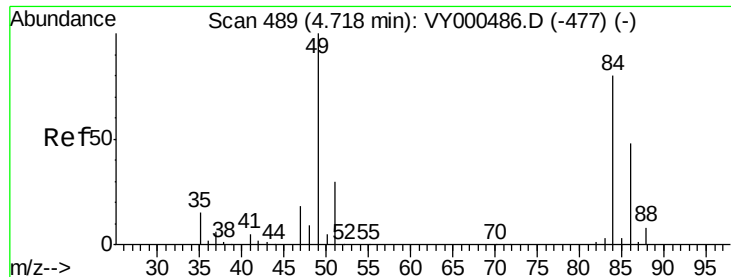
58 25.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

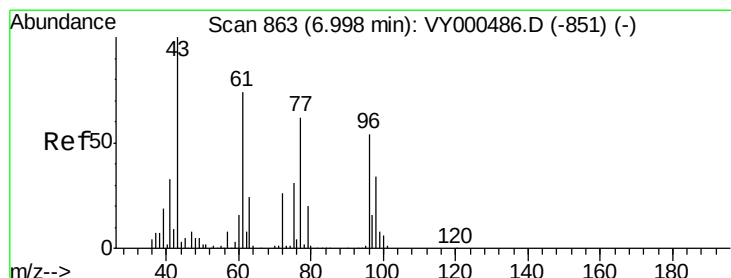
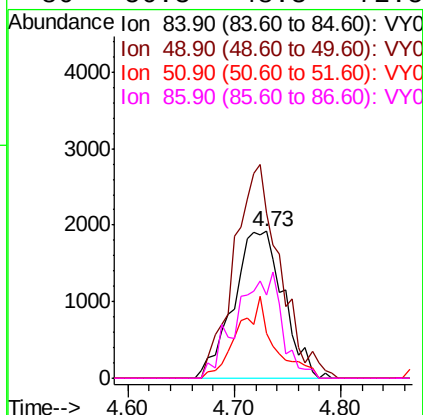
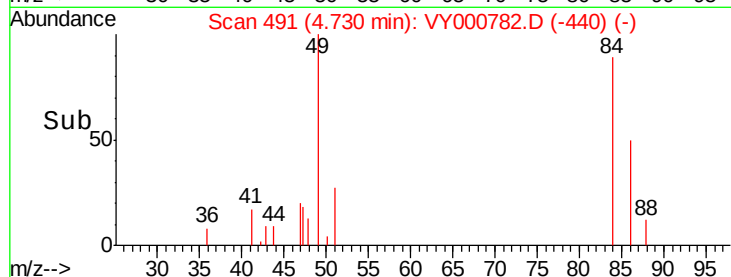
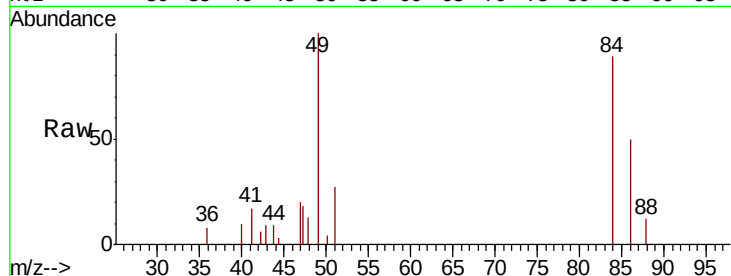




#20
Methylene Chloride
Concen: 1.843 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

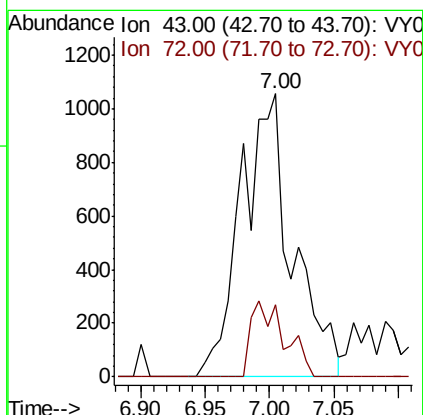
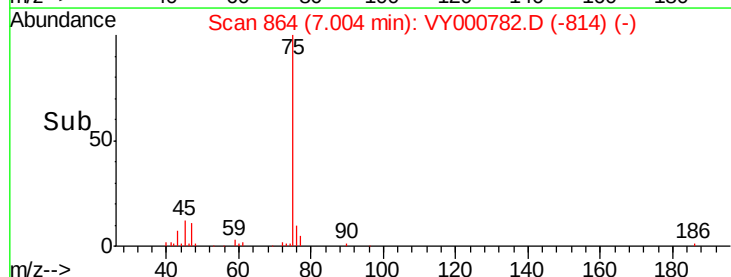
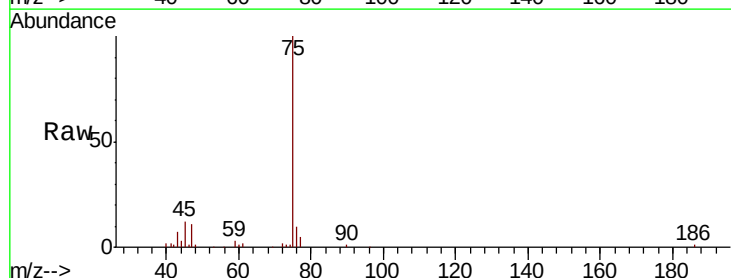
Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

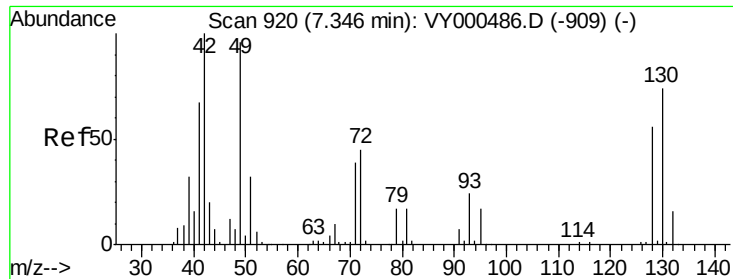
Tot Ion: 84	Resp: 6296
Ion Ratio	Lower Upper
84 100	
49 112.2	100.2 150.4
51 30.5	29.6 44.4
86 56.3	48.3 72.5



#25
2-Butanone
Concen: 2.289 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Tgt Ion: 43	Resp: 2913
Ion Ratio	Lower Upper
43 100	
72 25.3	20.9 31.3





#28

Bromochloromethane

Concen: 4.157 ug/l

RT: 7.52 min Scan# 948

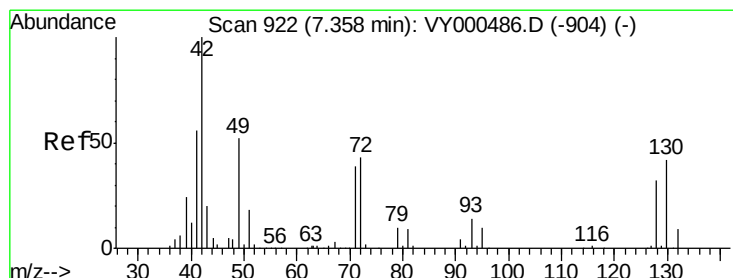
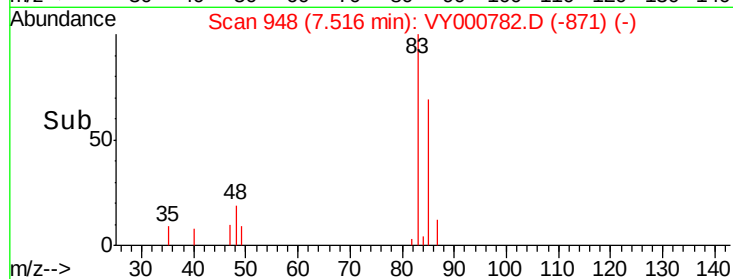
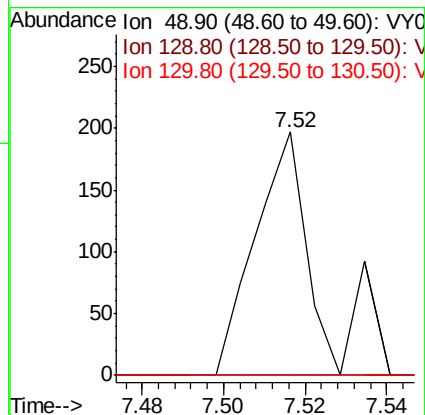
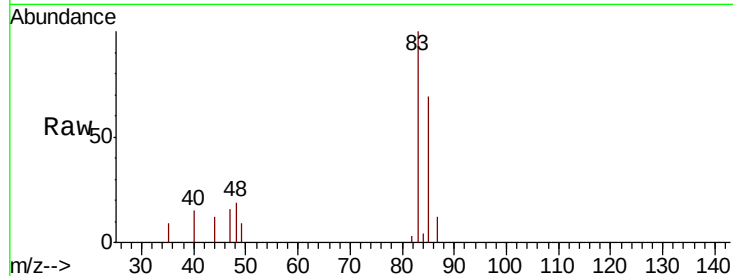
Delta R.T. 0.17 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tot Ion: 49 Resp: 171
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#29

Tetrahydrofuran

Concen: 1.337 ug/l

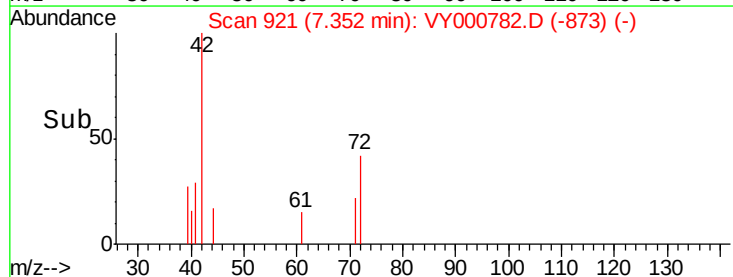
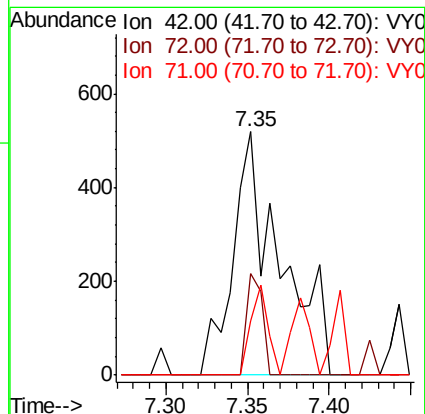
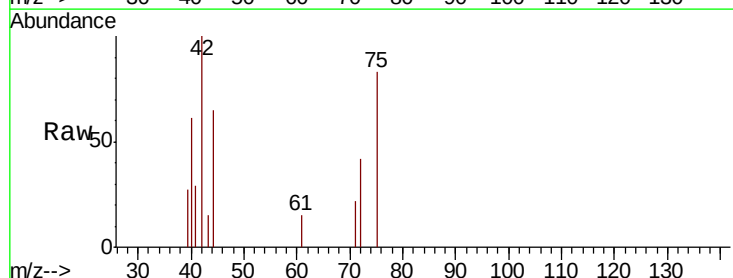
RT: 7.35 min Scan# 921

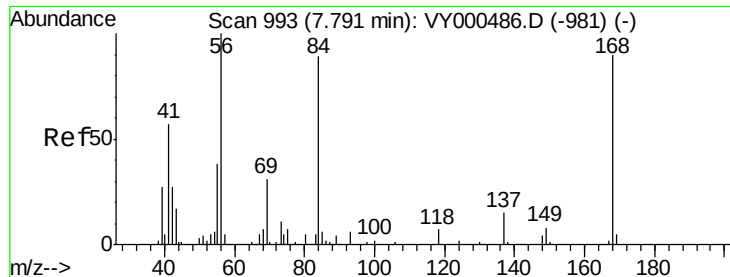
Delta R.T. -0.01 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Tgt Ion: 42 Resp: 1041
Ion Ratio Lower Upper
42 100
72 13.8 34.0 51.0#
71 13.6 30.8 46.2#





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBL01

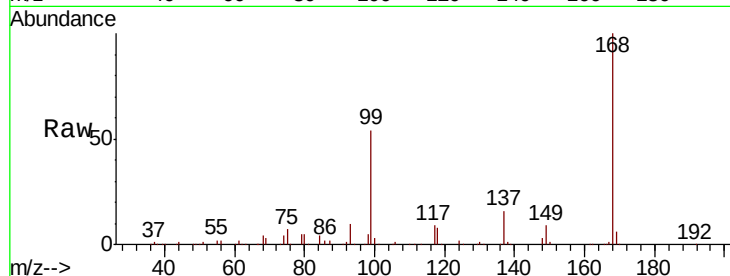
Tot Ion: 56 Resp: 6252

Ion Ratio Lower Upper

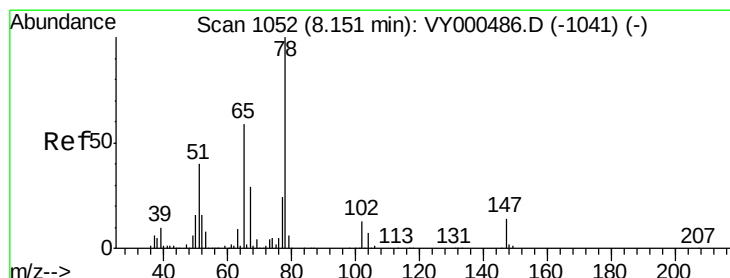
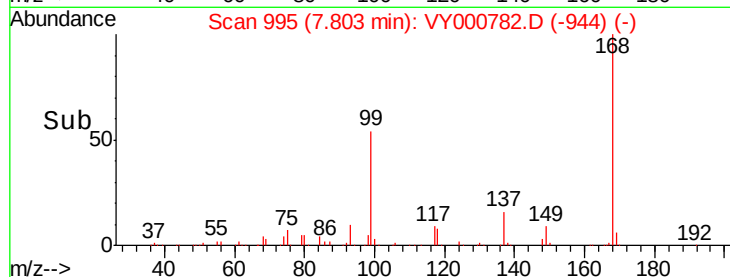
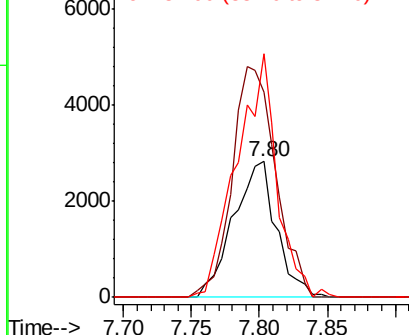
56 100

69 150.7 25.0 37.6#

84 179.3 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: 59.731 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000782.D

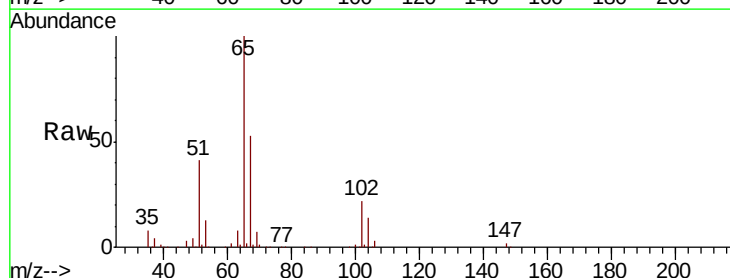
Acq: 22 Nov 2019 10:47

Tgt Ion: 65 Resp: 172822

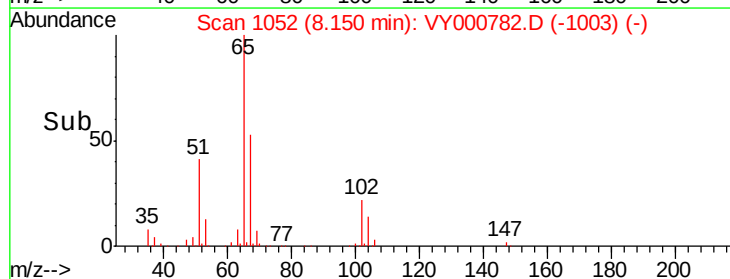
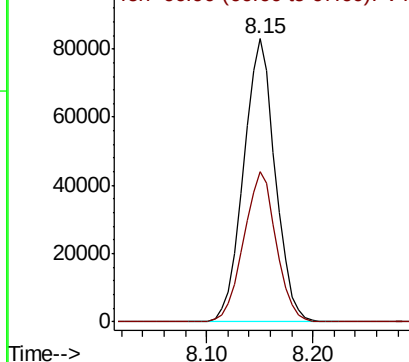
Ion Ratio Lower Upper

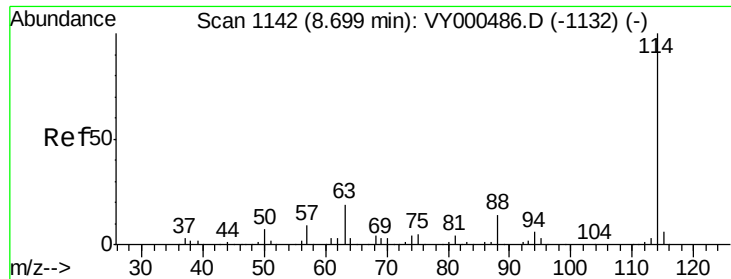
65 100

67 54.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

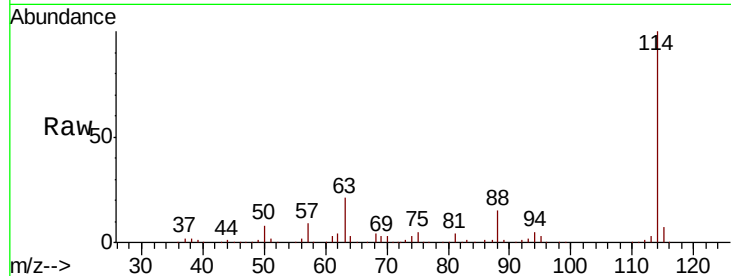




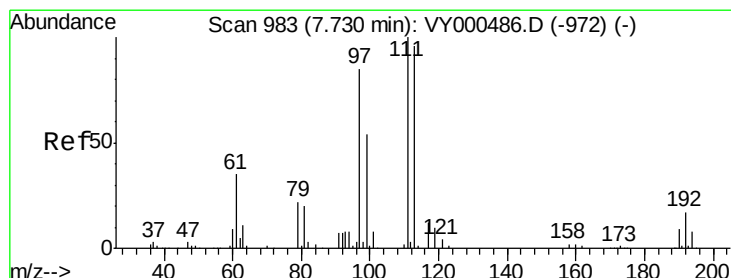
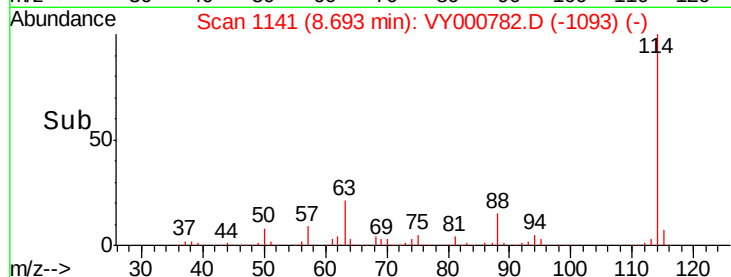
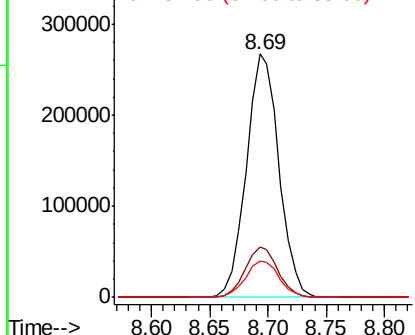
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tot Ion:114 Resp: 518510
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.0
88 14.7 0.0 28.6

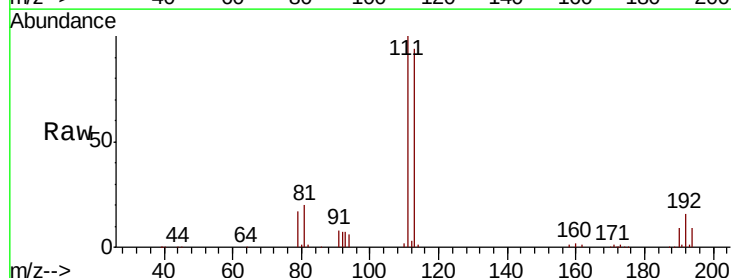


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

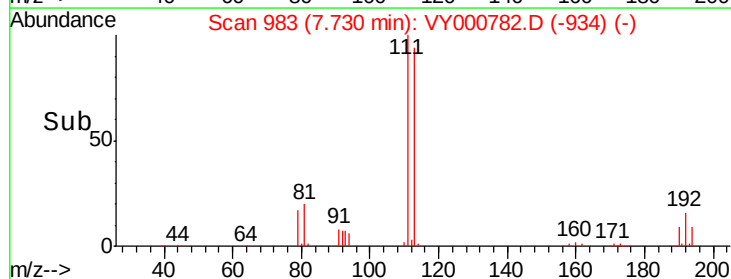
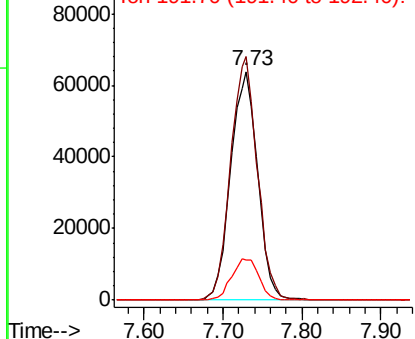


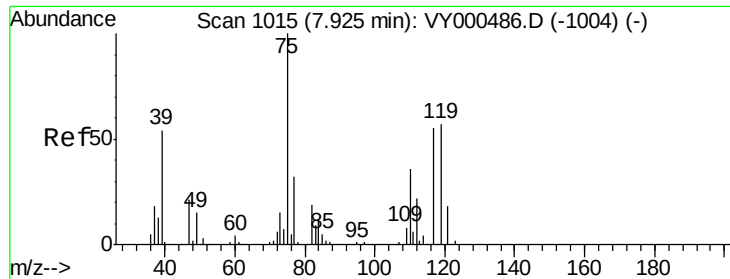
#35
Dibromofluoromethane
Concen: 49.888 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Tgt Ion:113 Resp: 151858
Ion Ratio Lower Upper
113 100
111 105.3 81.7 122.5
192 18.3 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

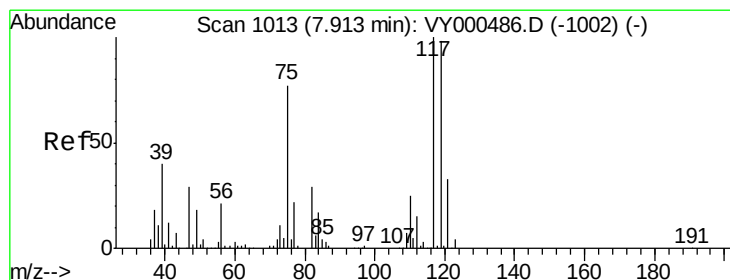
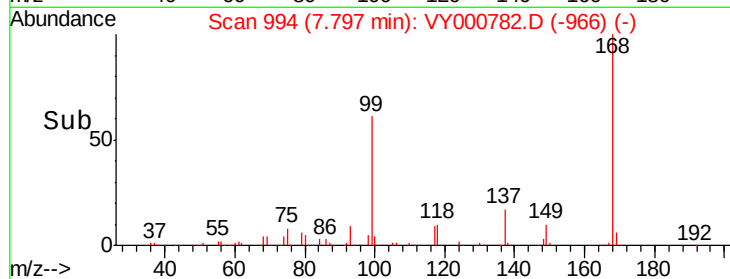
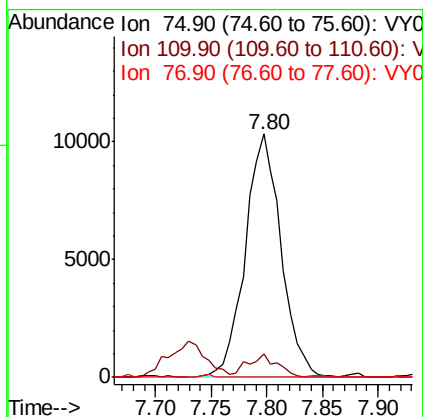
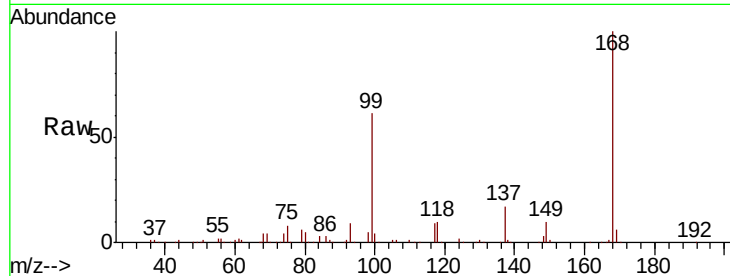




#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000782.D
 Acq: 22 Nov 2019 10:47

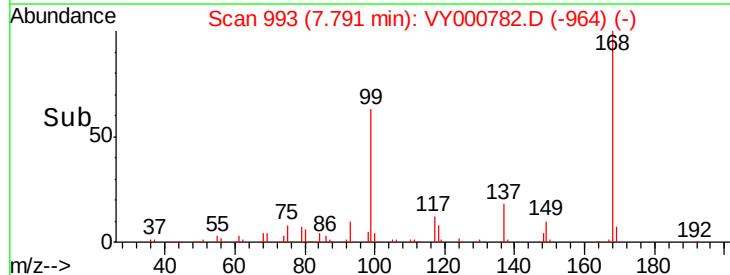
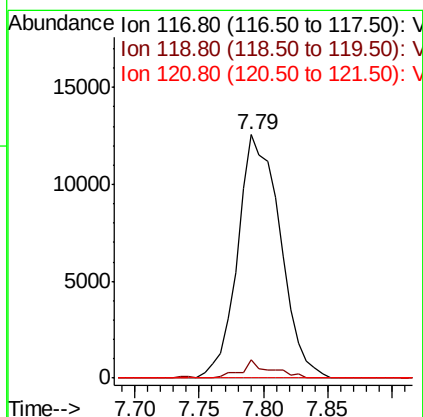
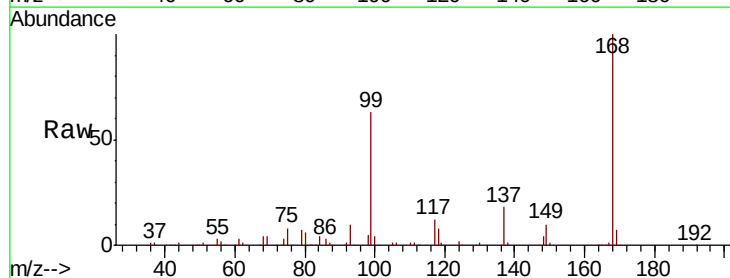
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBL01

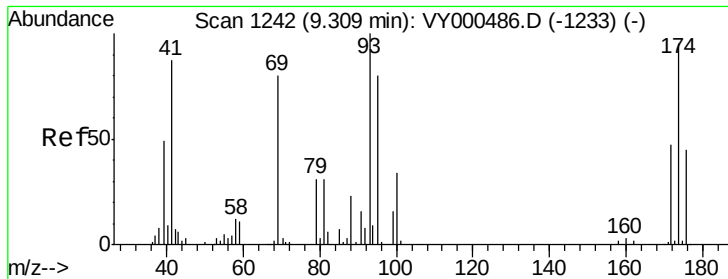
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY000782.D
 Acq: 22 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	78.0	117.0#
121	0.0	26.6	40.0#





#49

1,4-Dioxane

Concen: 1.413 ug/l

RT: 9.33 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBL01

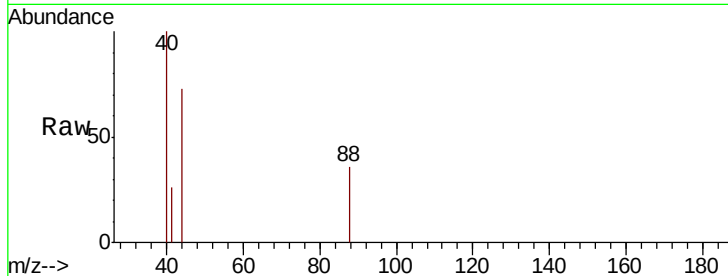
Tot Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

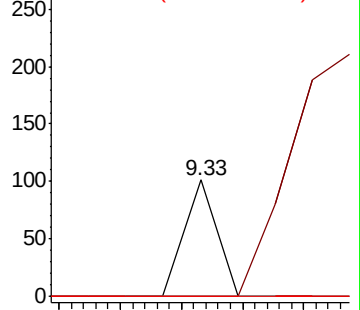
58 0.0 50.6 75.8#



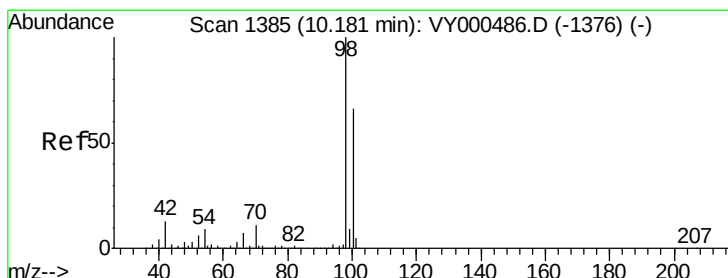
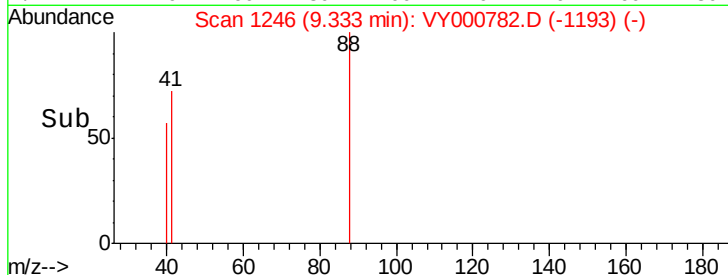
Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 9.31 9.32 9.33 9.34 9.35



#50

Toluene-d8

Concen: 53.093 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000782.D

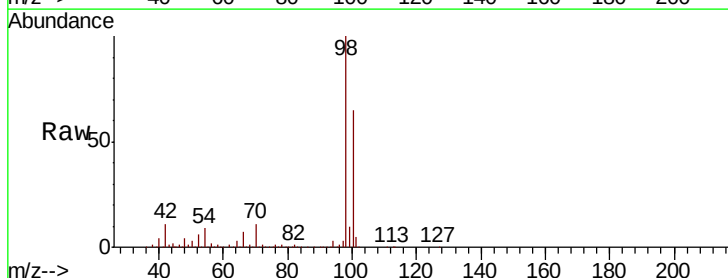
Acq: 22 Nov 2019 10:47

Tgt Ion: 98 Resp: 613246

Ion Ratio Lower Upper

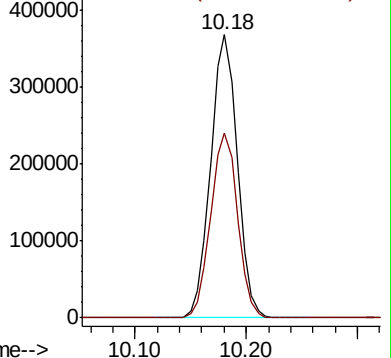
98 100

100 65.9 52.9 79.3

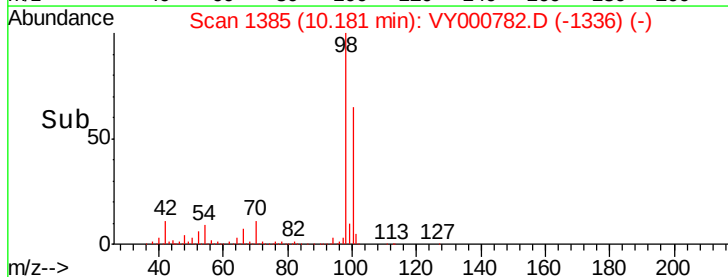


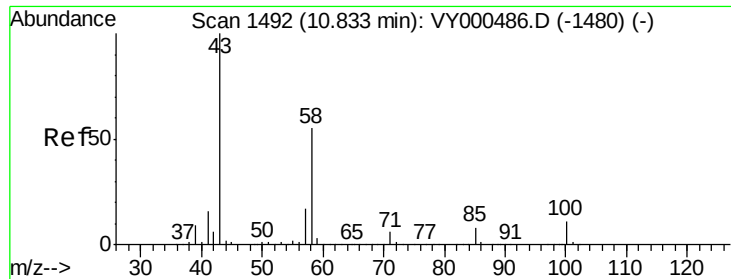
Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time--> 10.10 10.20

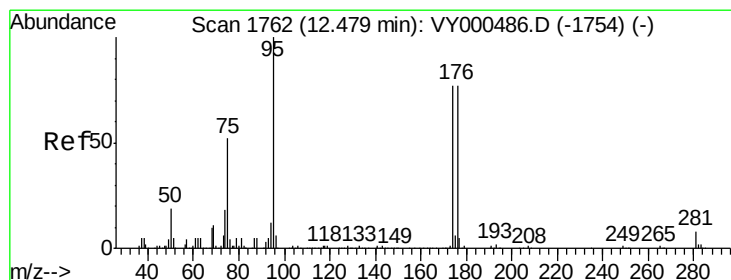
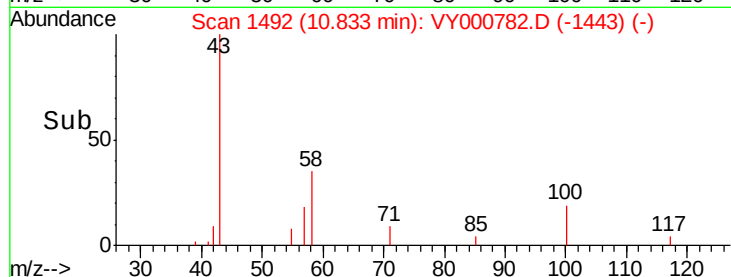
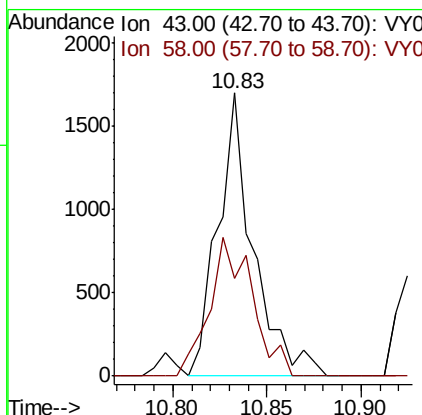
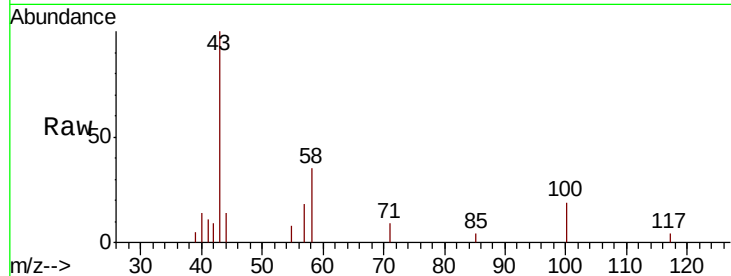




#59
2-Hexanone
Concen: 1.045 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

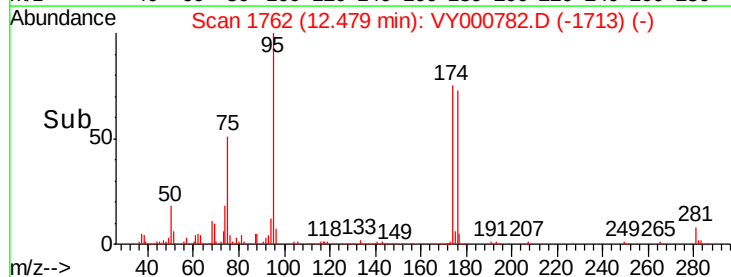
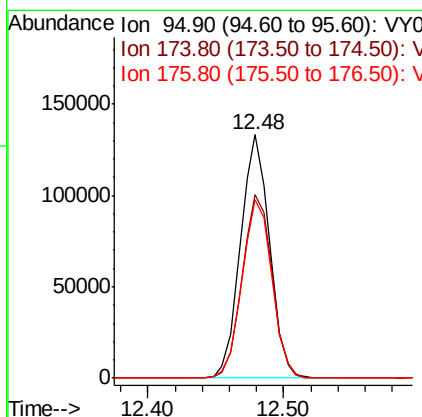
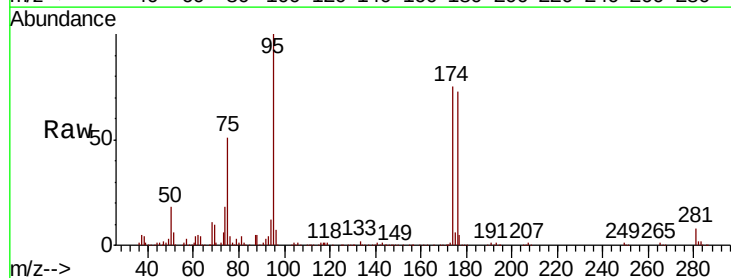
Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

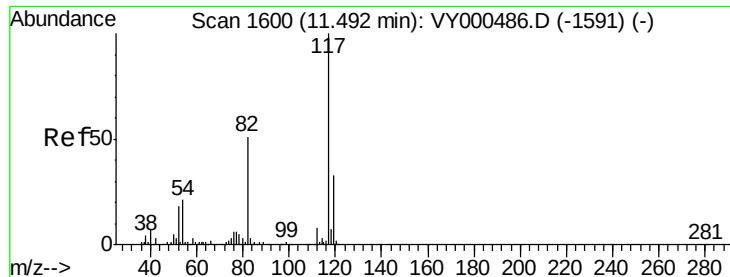
Tot Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 59.0 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 45.147 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Tgt Ion: 95 Resp: 198518
Ion Ratio Lower Upper
95 100
174 77.5 0.0 161.6
176 75.5 0.0 157.8

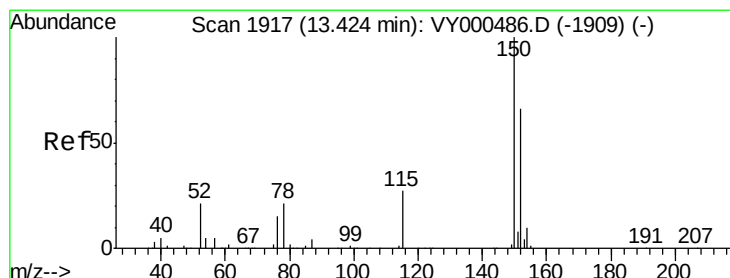
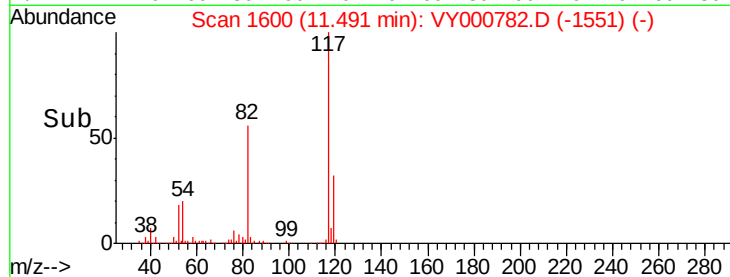
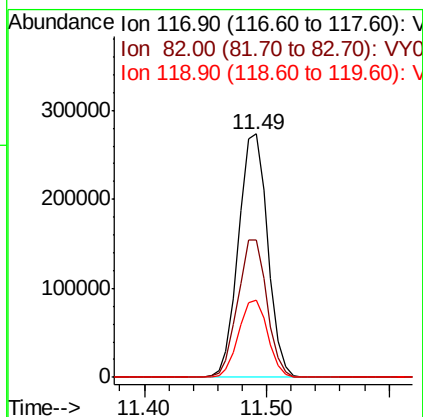
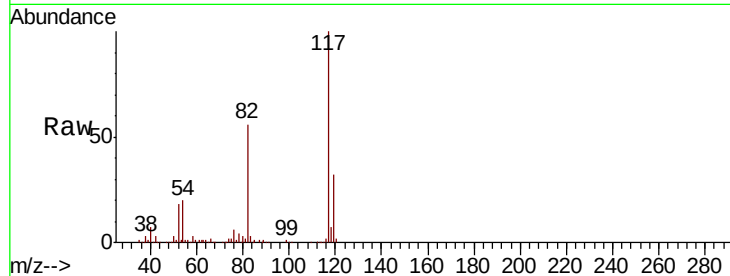




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

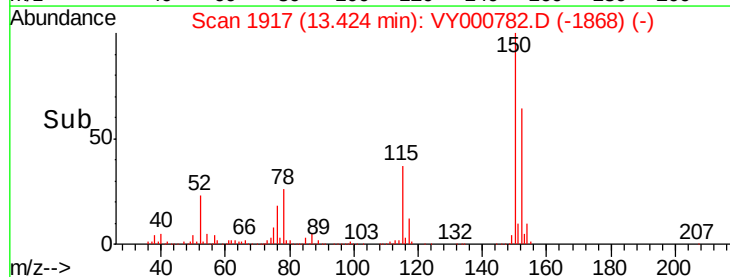
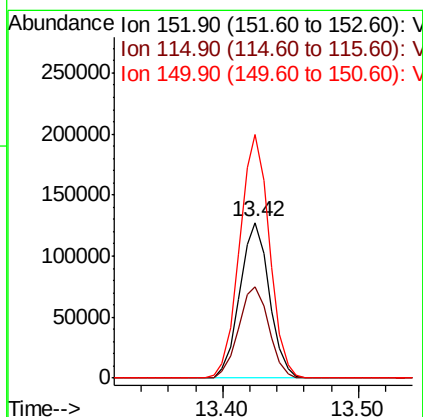
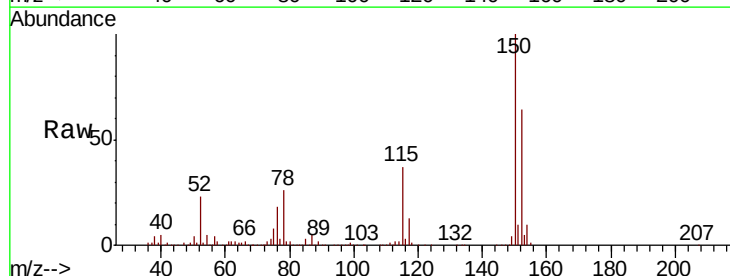
Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

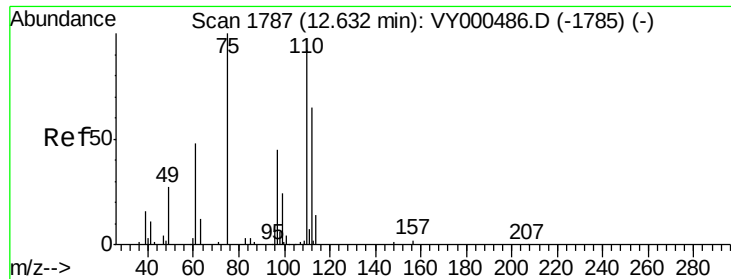
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.8	61.2
119	32.0	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	29.1	87.4
150	158.1	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 47.206 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

Instrument :

MSVOA_Y

ClientSampleId :

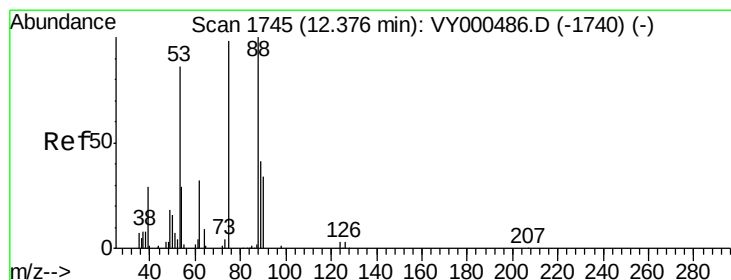
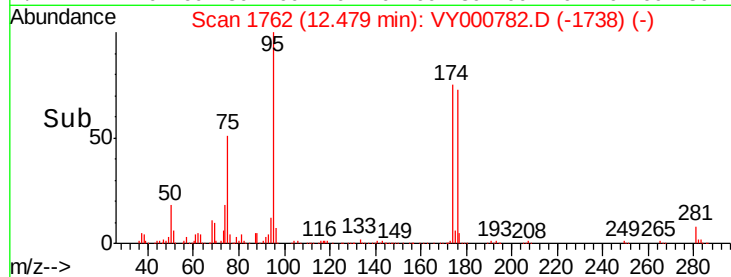
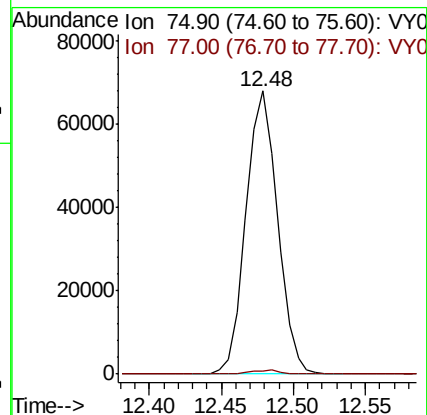
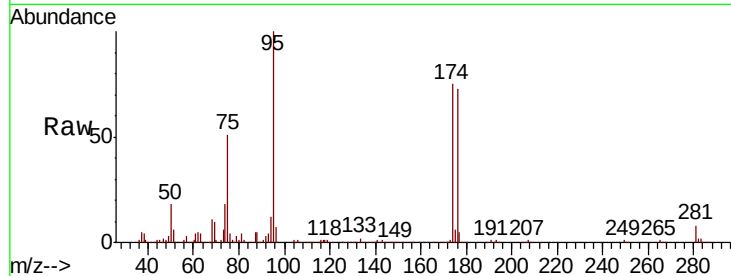
VY1122SBL01

Tot Ion: 75 Resp: 103535

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.843 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000782.D

Acq: 22 Nov 2019 10:47

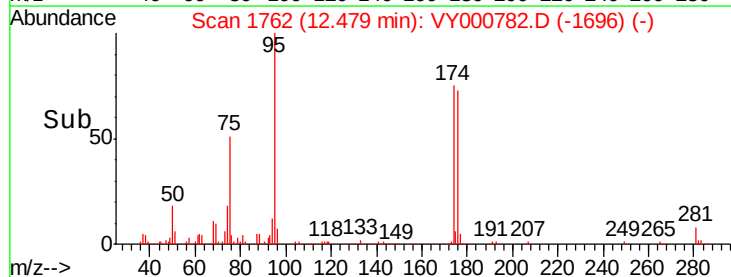
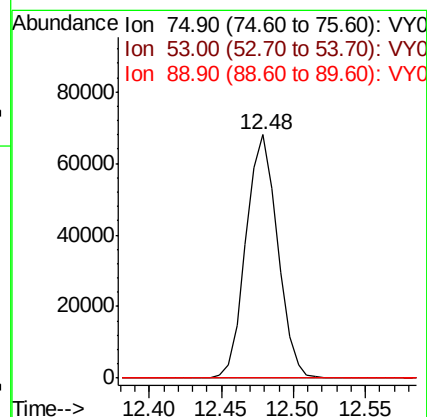
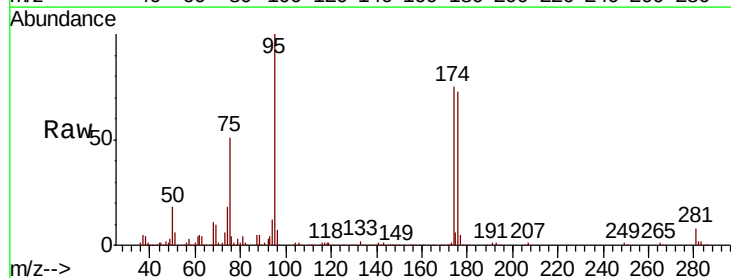
Tgt Ion: 75 Resp: 103535

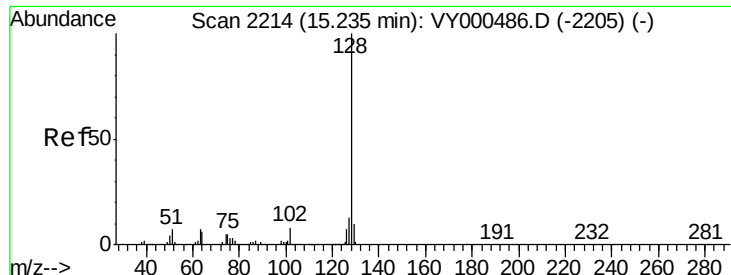
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.3 35.9 53.9#

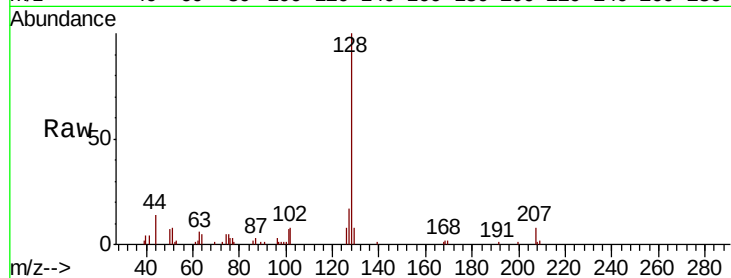




#95
Naphthalene
Concen: 1.525 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000782.D
Acq: 22 Nov 2019 10:47

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	9.8	14.6
129	10.9	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

