

Data File : VU025890.D
Acq On : 06 Aug 2018 16:54
Operator : MD/SY
Sample : J4164-10
Misc : 8.91g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SB-2(8-10)

Quant Time: Aug 07 00:55:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	174839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281082	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144094	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	117863	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	7.57	98	419699	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	10.31	95	173466	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

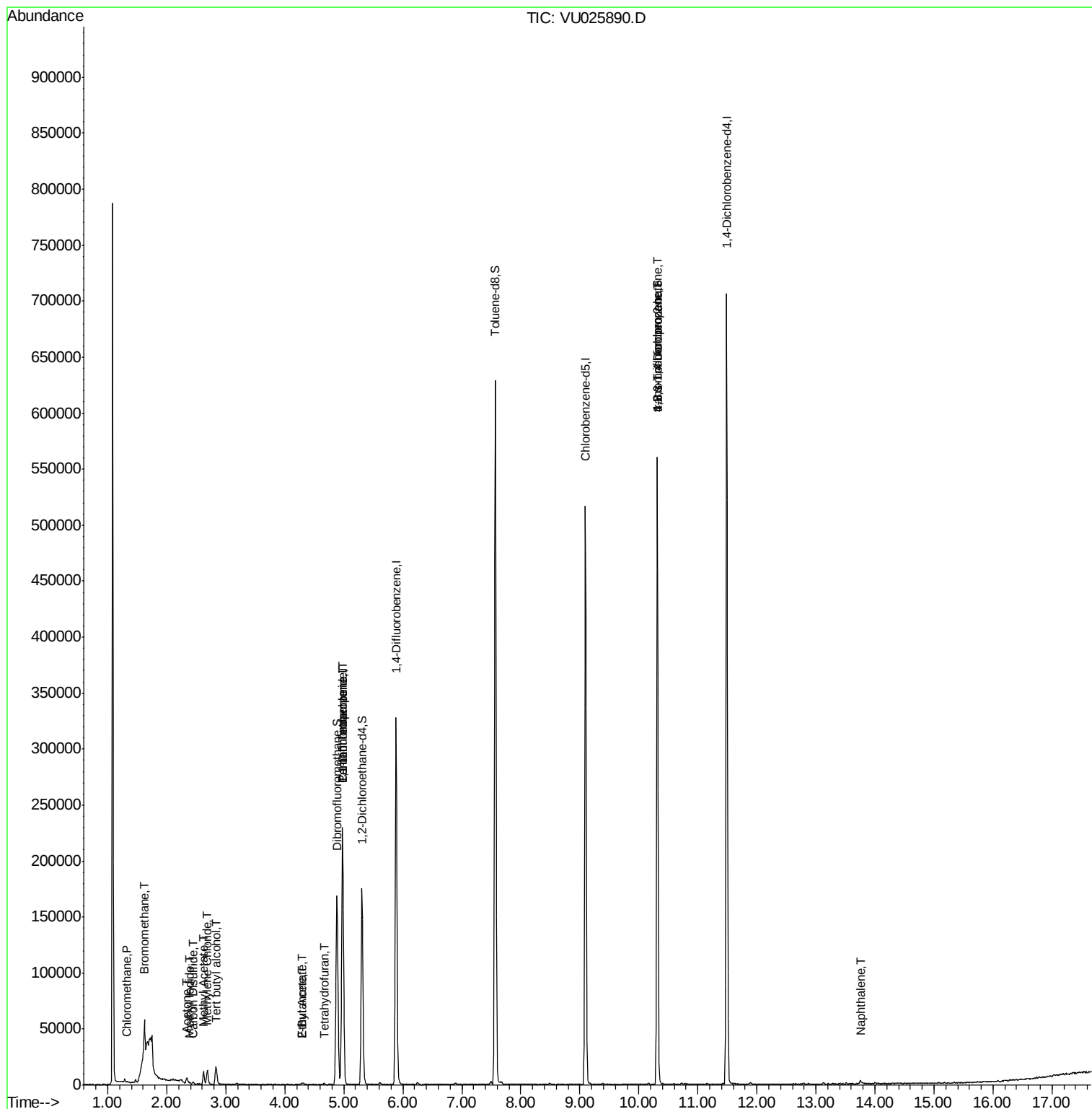
						Qvalue
3) Chloromethane	1.32	50	617	0.244	ug/l	89
5) Bromomethane	1.63	94	426	0.367	ug/l #	63
10) Methyl Iodide	2.39	142	340	8.747	ug/l #	79
11) Tert butyl alcohol	2.83	59	10521	17.640	ug/l #	73
13) Acrolein	2.18	56	81	Below Cal	#	1
16) Acetone	2.35	43	4562	3.435	ug/l	91
17) Carbon Disulfide	2.45	76	1738	0.286	ug/l #	84
18) Methyl Acetate	2.62	43	13914	4.353	ug/l	99
20) Methylene Chloride	2.69	84	5784	2.457	ug/l	96
25) 2-Butanone	4.28	43	3039	1.681	ug/l #	80
29) Tetrahydrofuran	4.67	42	751	0.693	ug/l #	84
31) Cyclohexane	4.98	56	3324	Below Cal	#	12
36) 1,1-Dichloropropene	4.98	75	14290	4.350	ug/l #	49
37) Ethyl Acetate	4.28	43	3039	0.892	ug/l #	69
38) Carbon Tetrachloride	4.98	117	16867	4.533	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	90392	22.074	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	90392	55.351	ug/l #	100
95) Naphthalene	13.76	128	4844	1.593	ug/l #	87

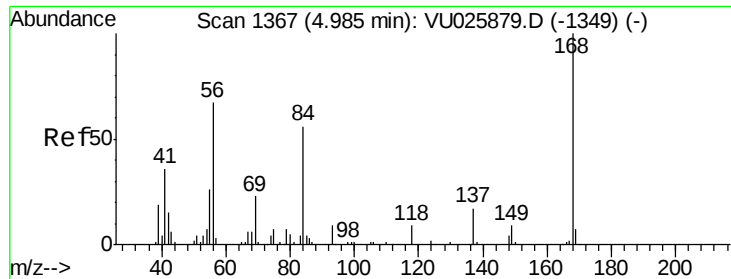
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

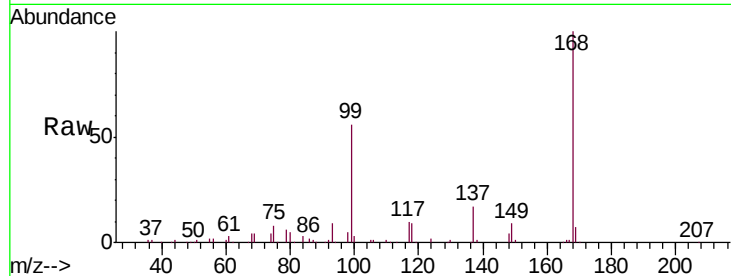
SB-2(8-10)

Tgt Ion:168 Resp: 174839

Ion Ratio Lower Upper

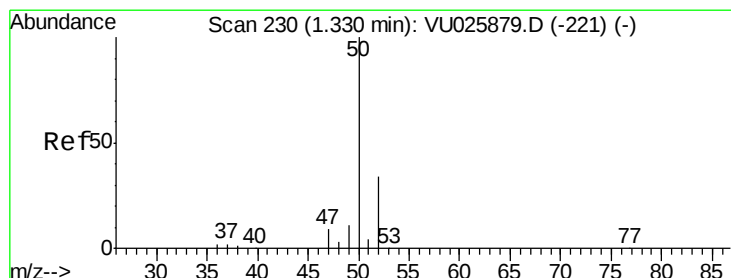
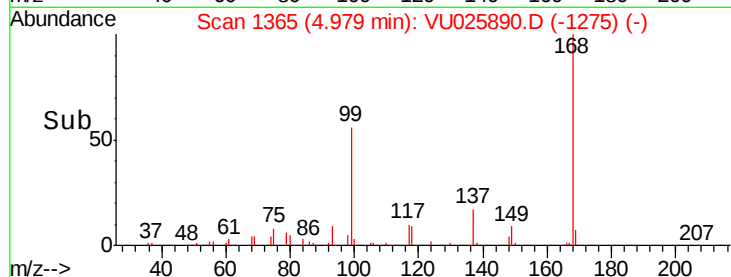
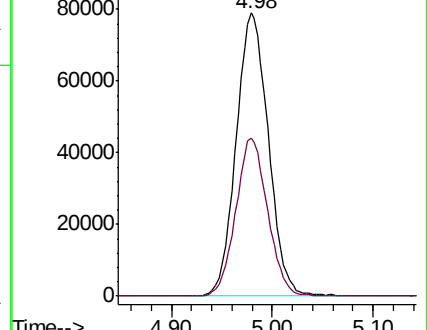
168 100

99 56.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025890.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025890.D (-1349) (-)



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025890.D

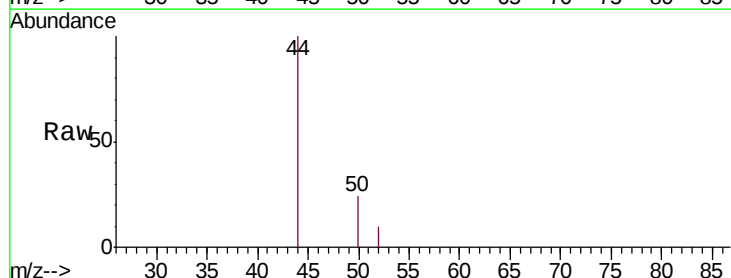
Acq: 06 Aug 2018 16:54

Tgt Ion: 50 Resp: 617

Ion Ratio Lower Upper

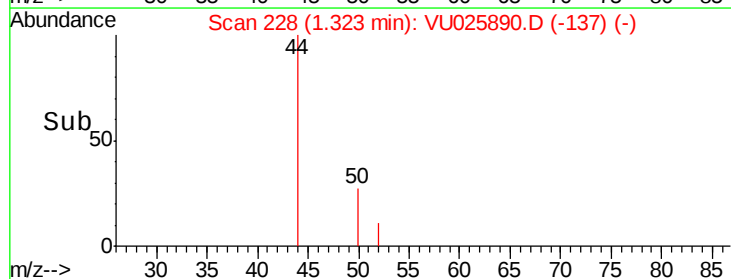
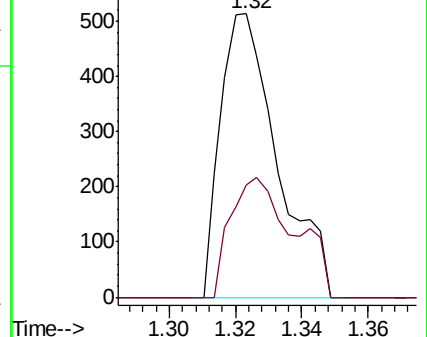
50 100

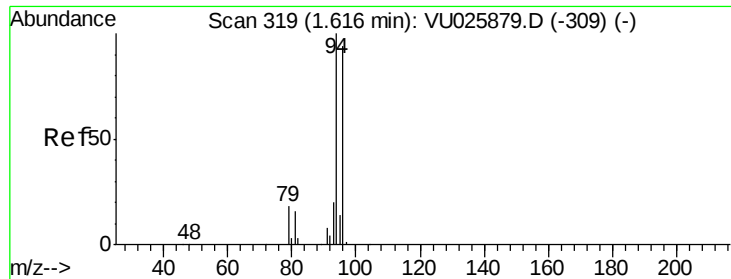
52 39.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025890.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025890.D (-137) (-)





#5

Bromomethane

Concen: 0.367 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

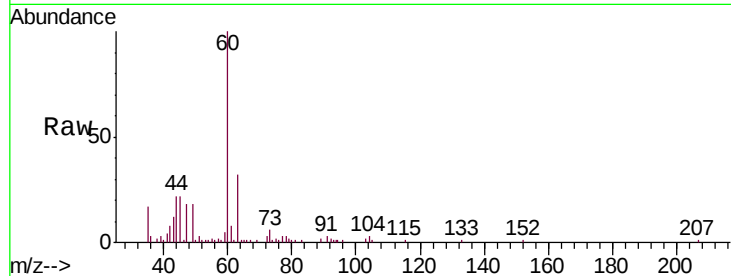
SB-2(8-10)

Tgt Ion: 94 Resp: 426

Ion Ratio Lower Upper

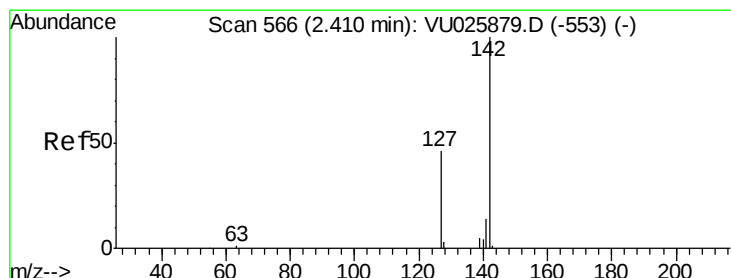
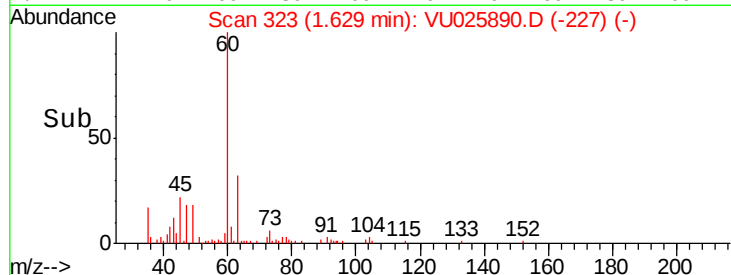
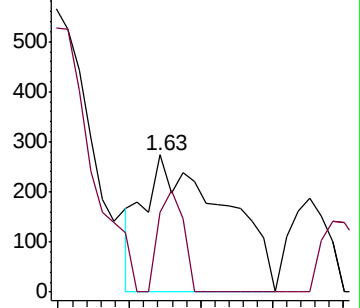
94 100

96 58.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU025879.D (-309) (-)

Ion 95.90 (95.60 to 96.60): VU025879.D (-309) (-)



#10

Methyl Iodide

Concen: 8.747 ug/l

RT: 2.39 min Scan# 560

Delta R.T. -0.02 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

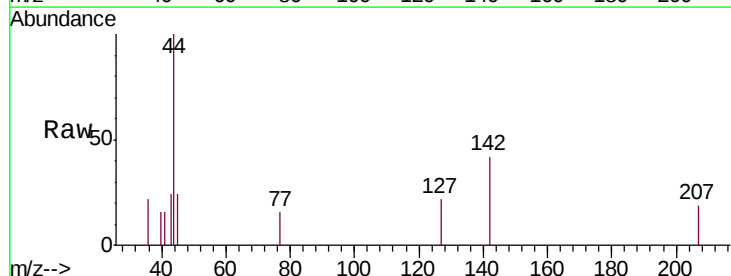
Tgt Ion: 142 Resp: 340

Ion Ratio Lower Upper

142 100

127 56.8 36.5 54.7#

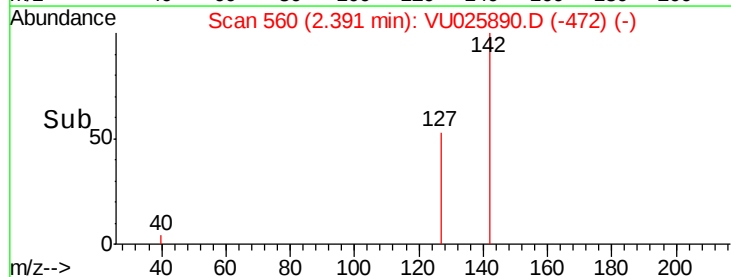
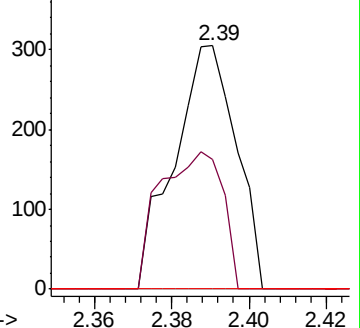
141 0.0 11.4 17.2#

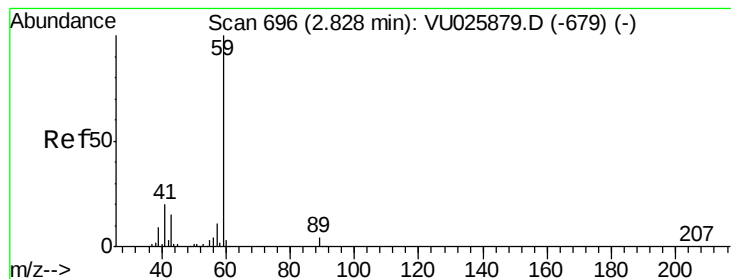


Abundance Ion 141.80 (141.50 to 142.50): VU025879.D (-553) (-)

Ion 126.80 (126.50 to 127.50): VU025879.D (-553) (-)

Ion 140.80 (140.50 to 141.50): VU025879.D (-553) (-)



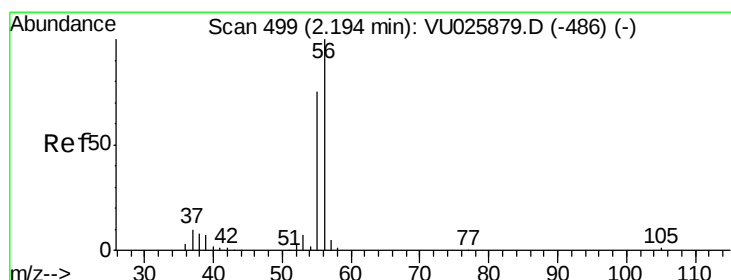
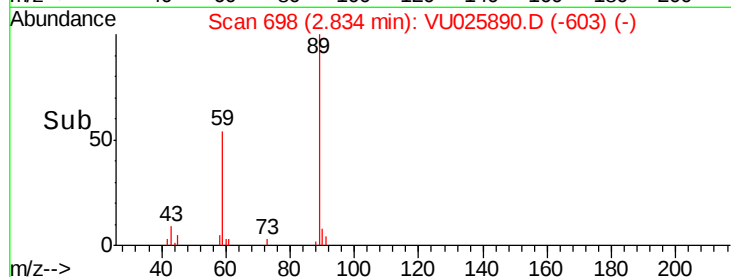
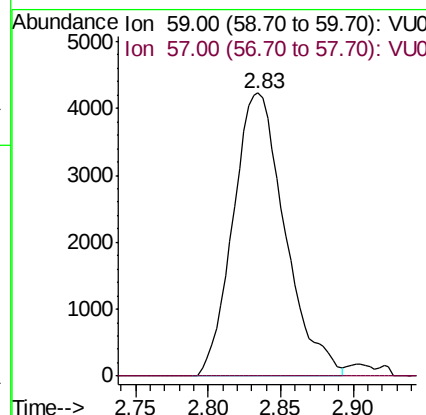
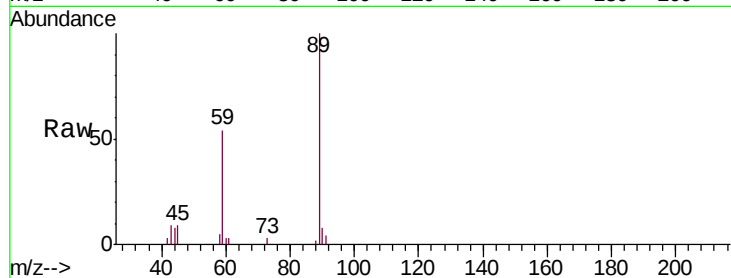


#11

Tert butyl alcohol
 Concen: 17.640 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025890.D
 Acq: 06 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-2(8-10)

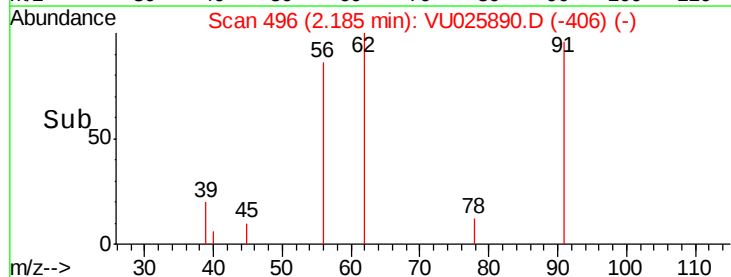
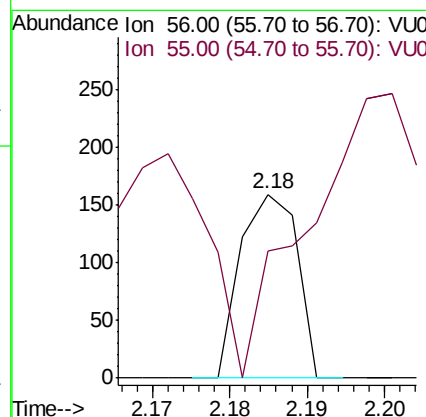
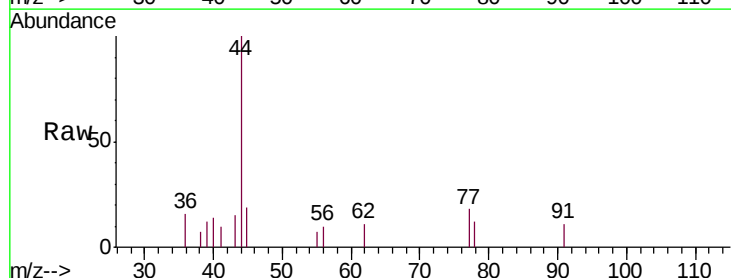
Tgt Ion: 59 Resp: 10521
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

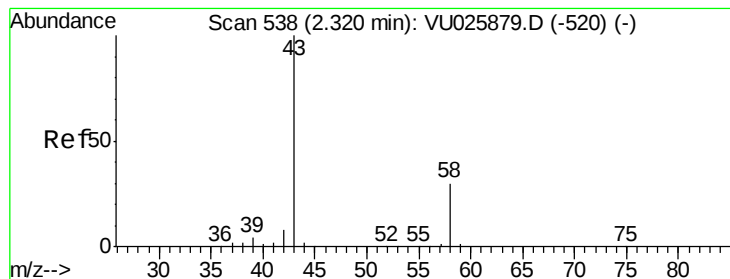


#13

Acrolein
 Concen: Below Cal
 RT: 2.18 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VU025890.D
 Acq: 06 Aug 2018 16:54

Tgt Ion: 56 Resp: 81
 Ion Ratio Lower Upper
 56 100
 55 186.4 57.2 85.8#





#16

Acetone

Concen: 3.435 ug/l

RT: 2.35 min Scan# 546

Delta R.T. 0.02 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

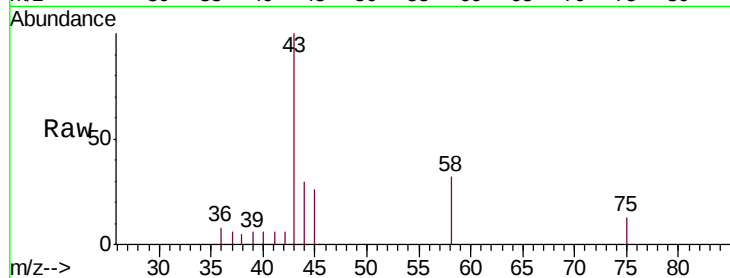
SB-2(8-10)

Tgt Ion: 43 Resp: 4562

Ion Ratio Lower Upper

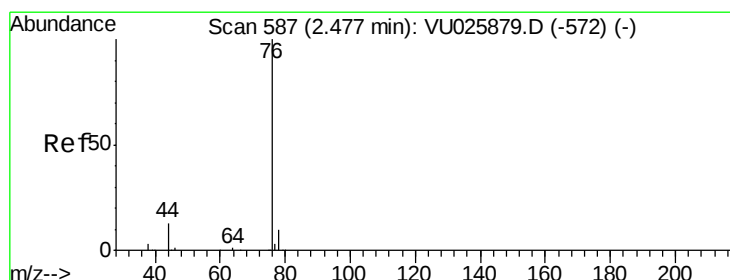
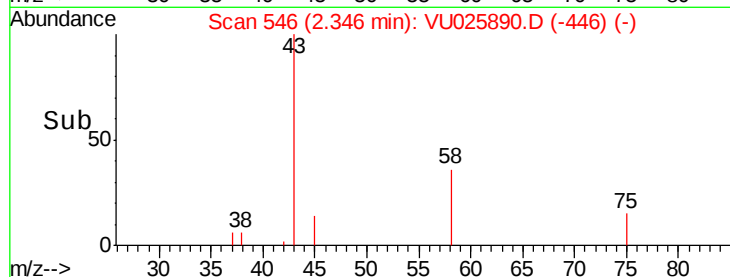
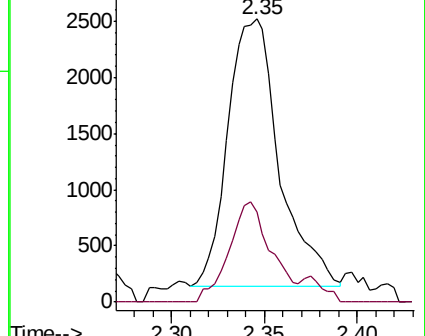
43 100

58 33.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025890.D (-520) (-)

Ion 58.00 (57.70 to 58.70): VU025890.D (-520) (-)



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.03 min

Lab File: VU025890.D

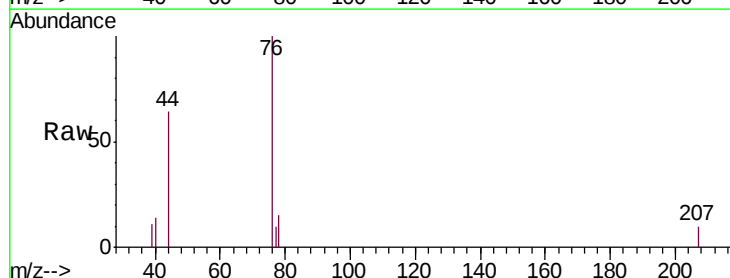
Acq: 06 Aug 2018 16:54

Tgt Ion: 76 Resp: 1738

Ion Ratio Lower Upper

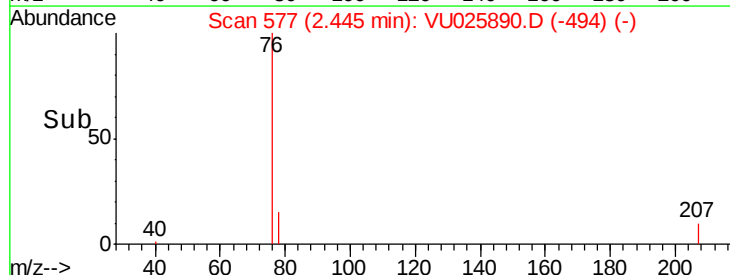
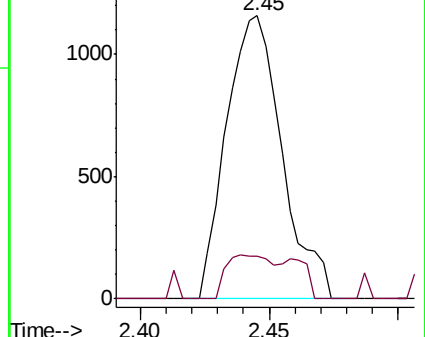
76 100

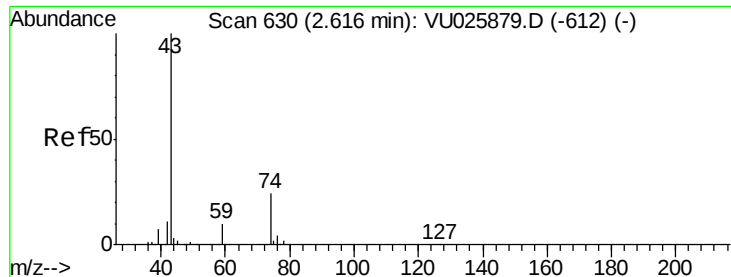
78 15.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU025890.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025890.D (-494) (-)

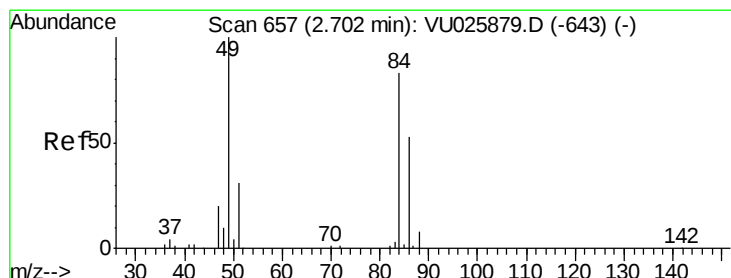
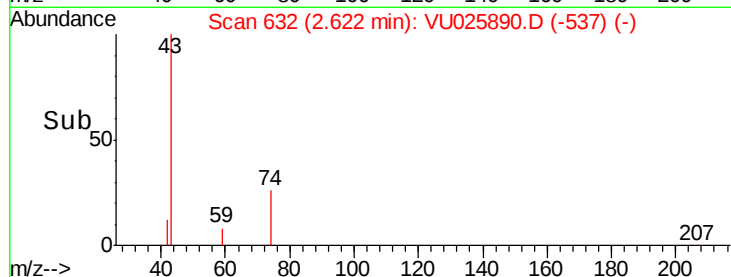
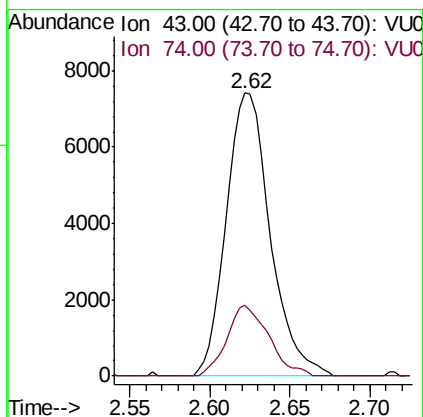
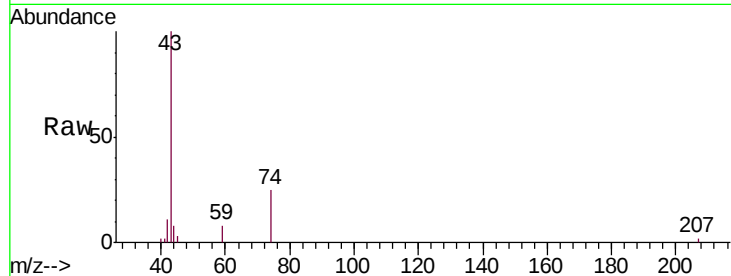




#18
Methyl Acetate
Concen: 4.353 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

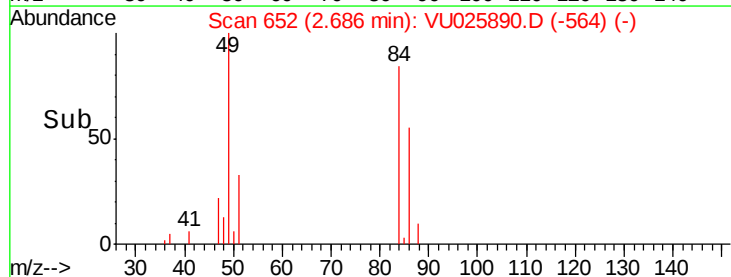
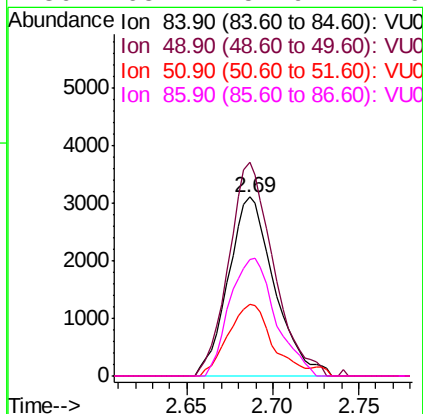
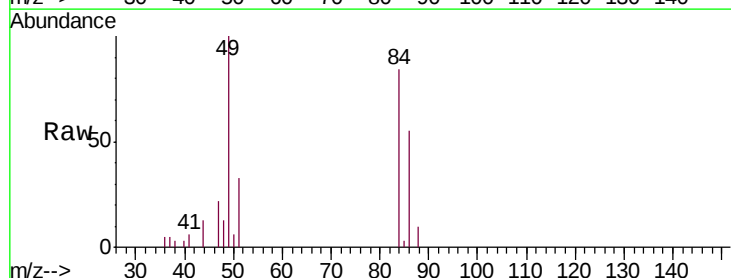
Instrument :
MSVOA_U
ClientSampleId :
SB-2(8-10)

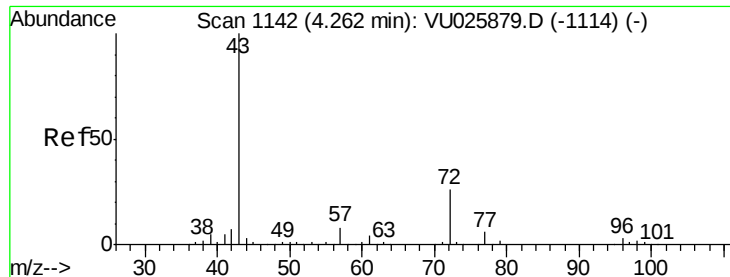
Tgt Ion: 43 Resp: 13914
Ion Ratio Lower Upper
43 100
74 23.8 18.5 27.7



#20
Methylene Chloride
Concen: 2.457 ug/l
RT: 2.69 min Scan# 652
Delta R.T. -0.02 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Tgt Ion: 84 Resp: 5784
Ion Ratio Lower Upper
84 100
49 119.5 101.8 152.6
51 39.8 30.8 46.2
86 65.2 51.9 77.9

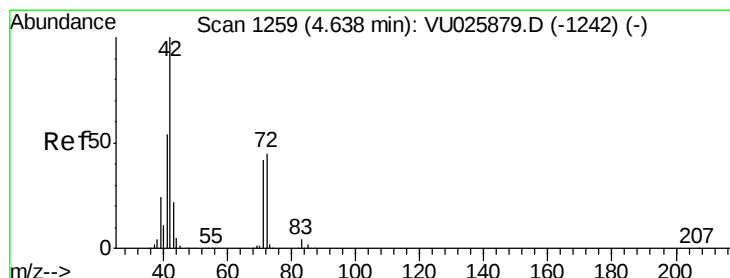
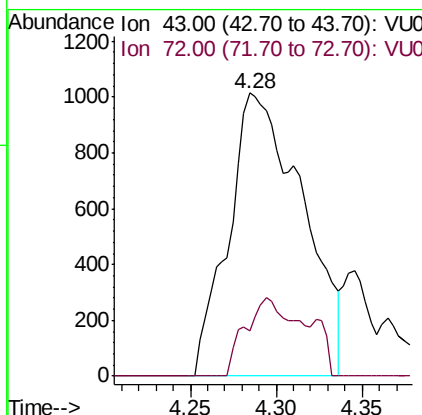
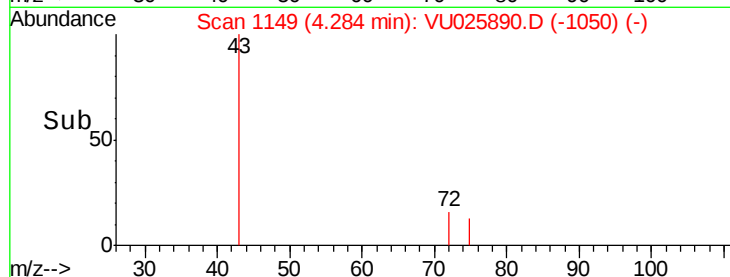
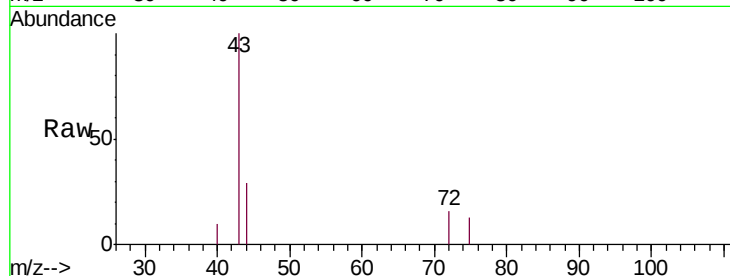




#25
2-Butanone
Concen: 1.681 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

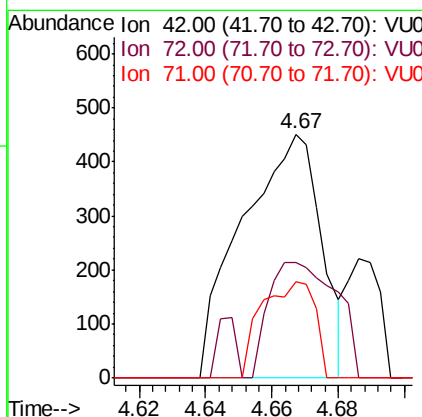
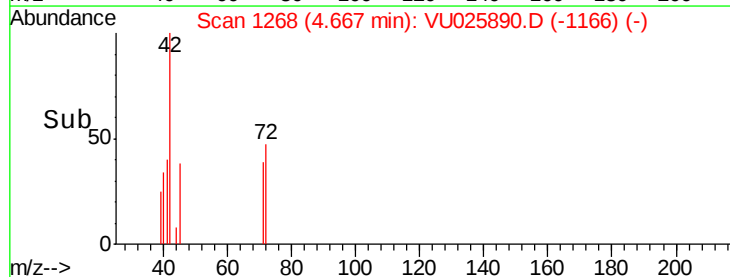
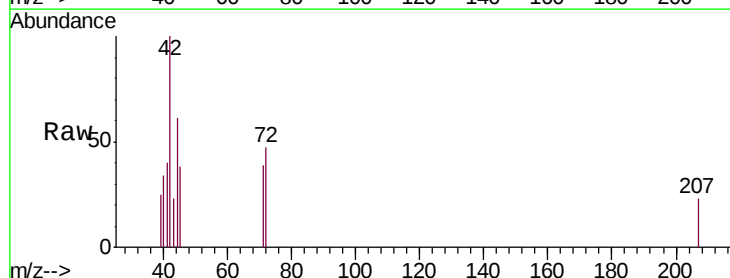
Instrument :
MSVOA_U
ClientSampleId :
SB-2(8-10)

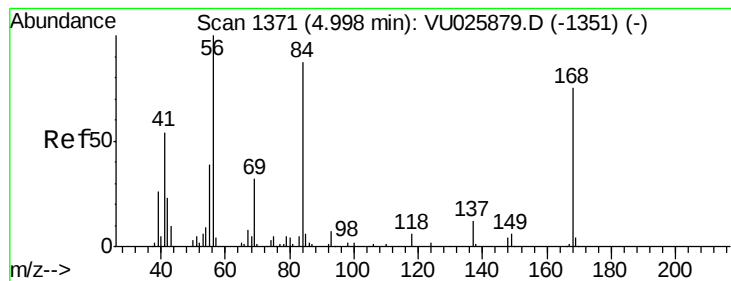
Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
72 16.0 21.0 31.4#



#29
Tetrahydrofuran
Concen: 0.693 ug/l
RT: 4.67 min Scan# 1268
Delta R.T. 0.03 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Tgt Ion: 42 Resp: 751
Ion Ratio Lower Upper
42 100
72 40.7 36.7 55.1
71 26.5 33.9 50.9#





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

SB-2(8-10)

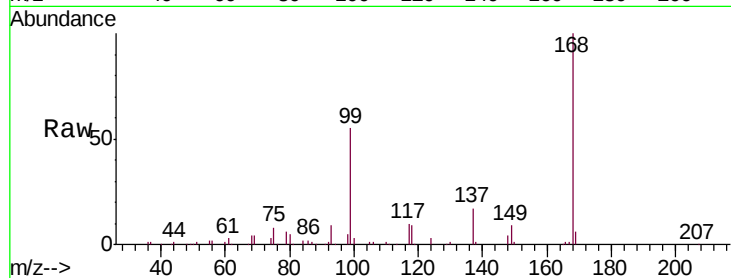
Tgt Ion: 56 Resp: 3324

Ion Ratio Lower Upper

56 100

69 165.6 26.8 40.2#

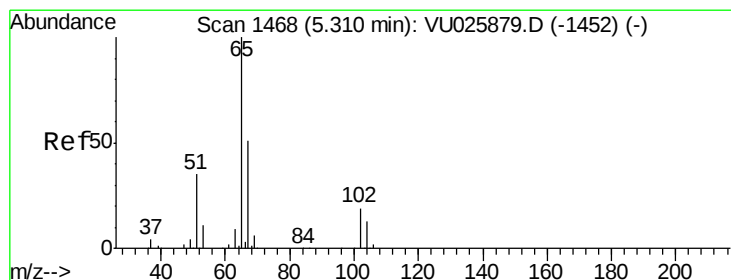
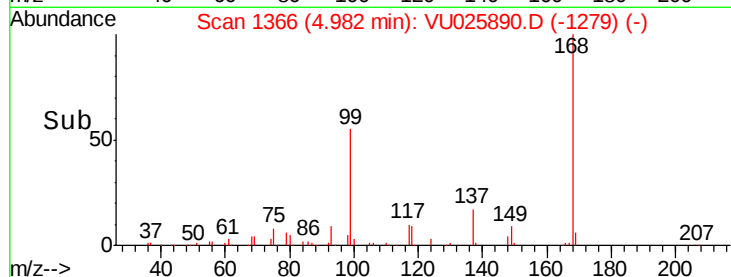
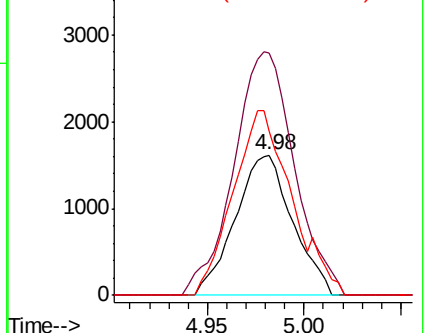
84 117.4 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 52.894 ug/l

RT: 5.31 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VU025890.D

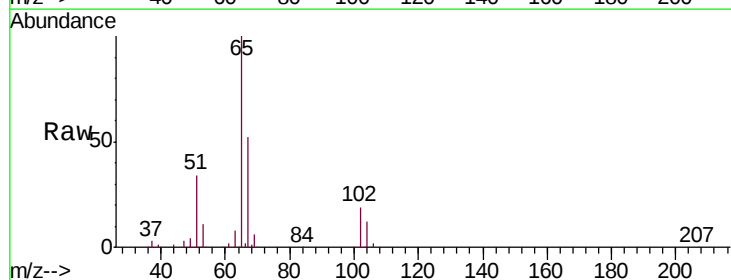
Acq: 06 Aug 2018 16:54

Tgt Ion: 65 Resp: 144094

Ion Ratio Lower Upper

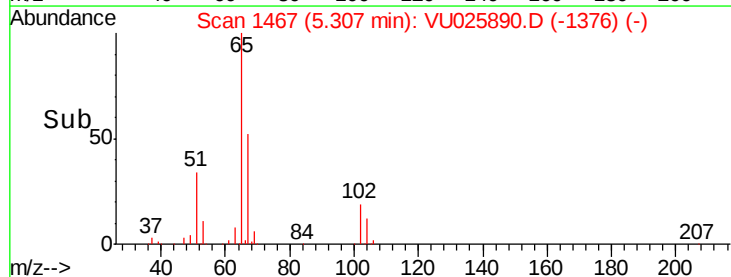
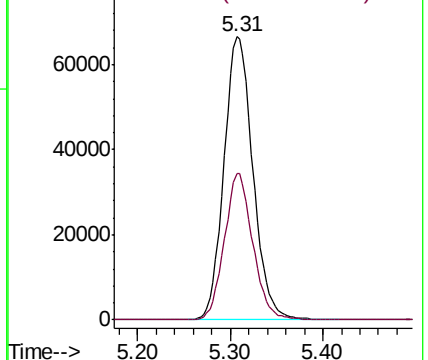
65 100

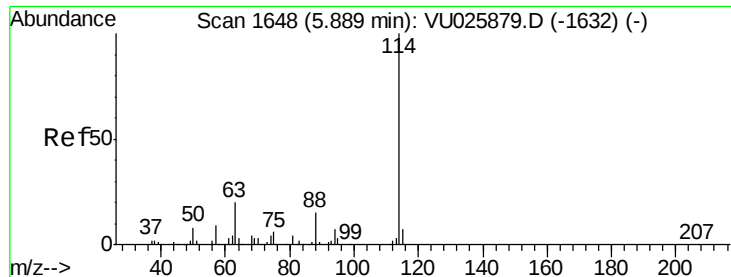
67 50.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

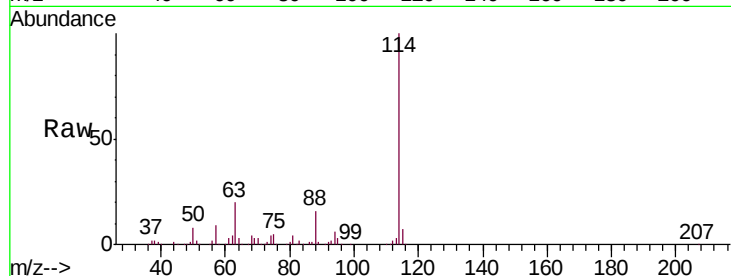




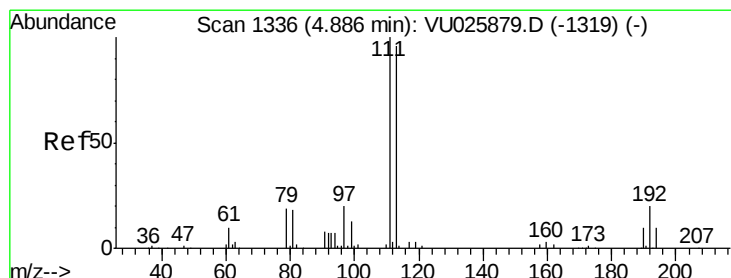
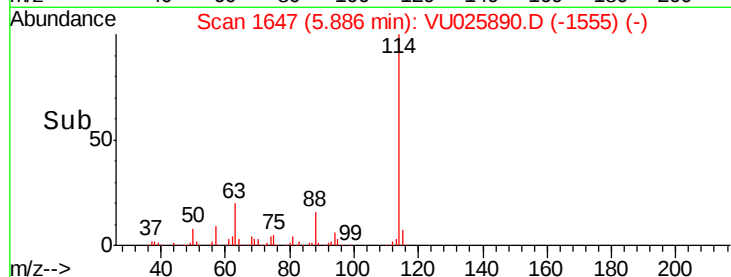
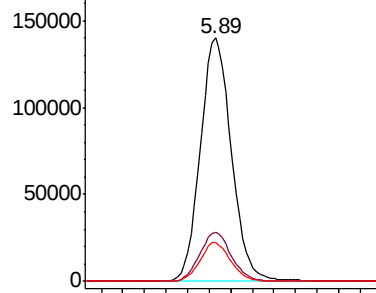
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.00 min
 Lab File: VU025890.D
 Acq: 06 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-2(8-10)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.6
88	16.0	0.0	32.4

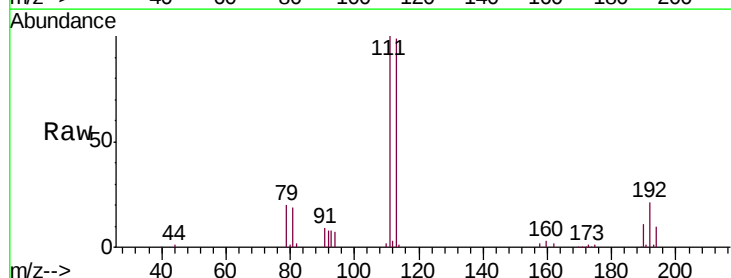


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

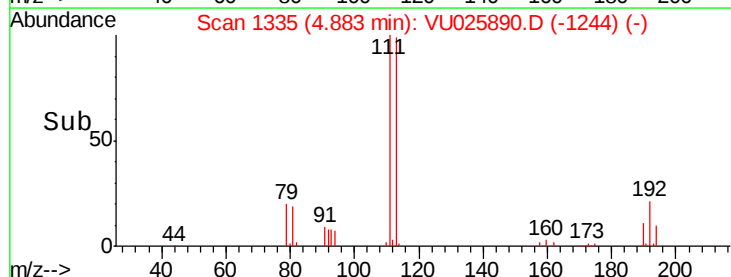
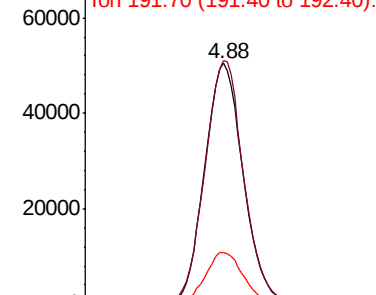


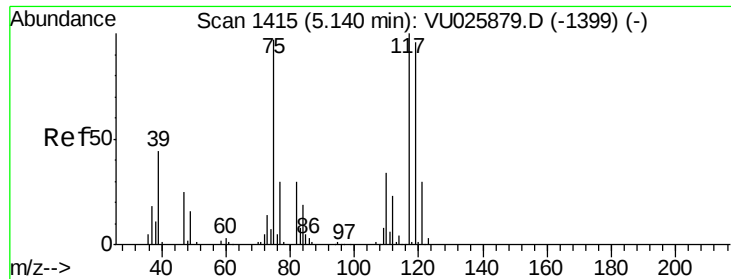
#35
 Dibromofluoromethane
 Concen: 48.211 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025890.D
 Acq: 06 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.7	122.5
192	21.3	17.1	25.7



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: 4.350 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

SB-2(8-10)

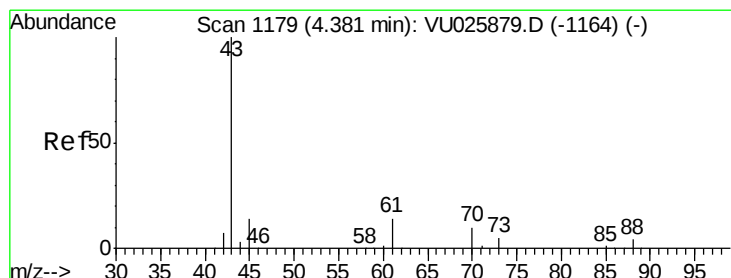
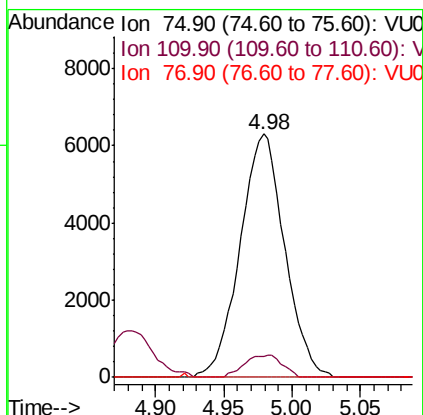
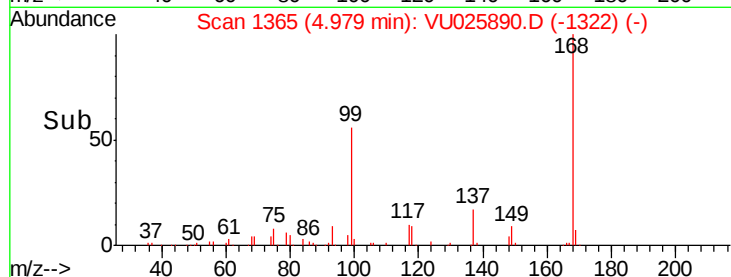
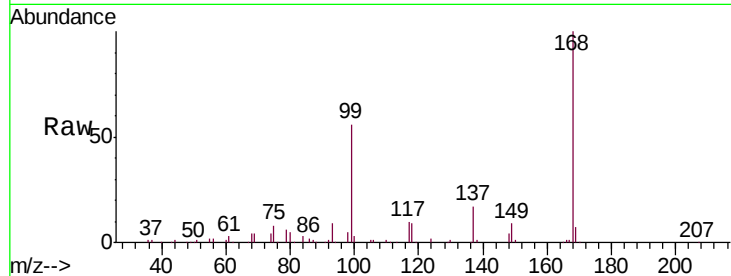
Tgt Ion: 75 Resp: 14290

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.892 ug/l

RT: 4.28 min Scan# 1149

Delta R.T. -0.10 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

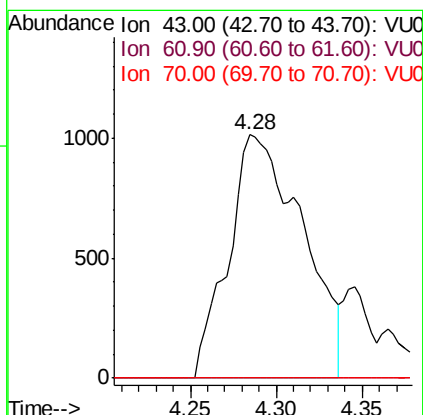
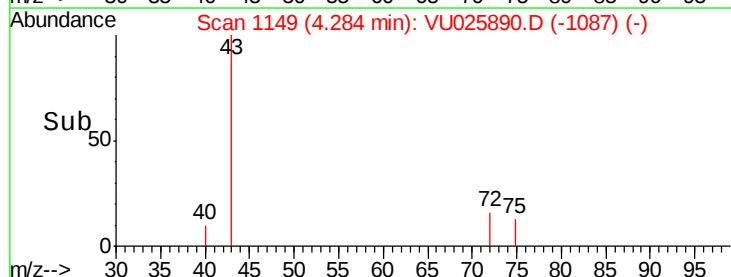
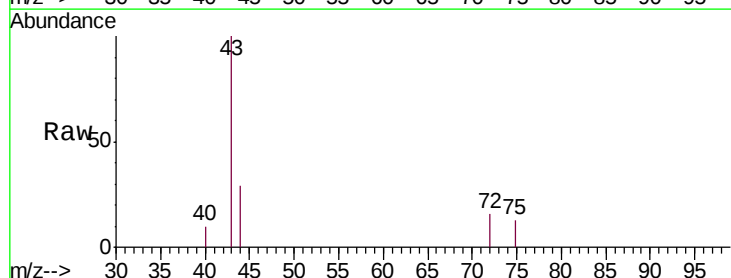
Tgt Ion: 43 Resp: 3039

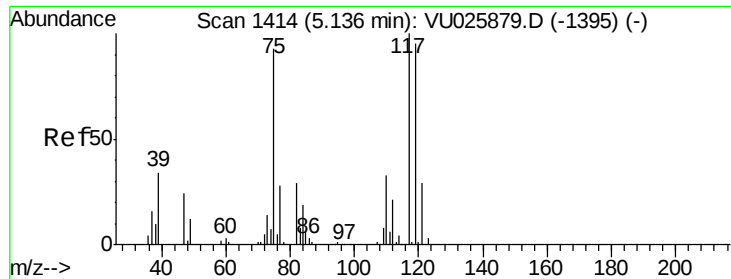
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.4 12.6#

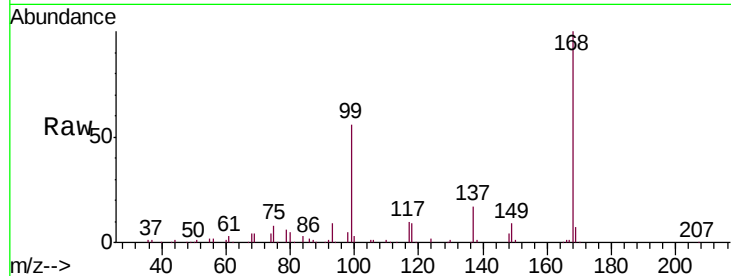




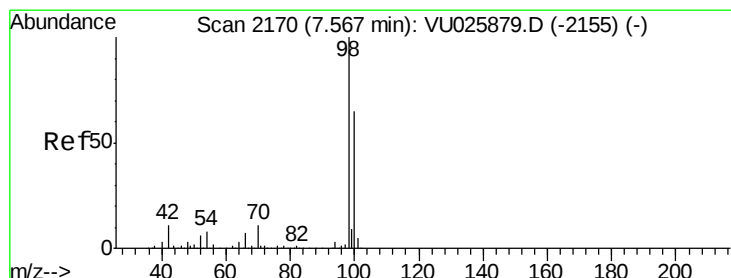
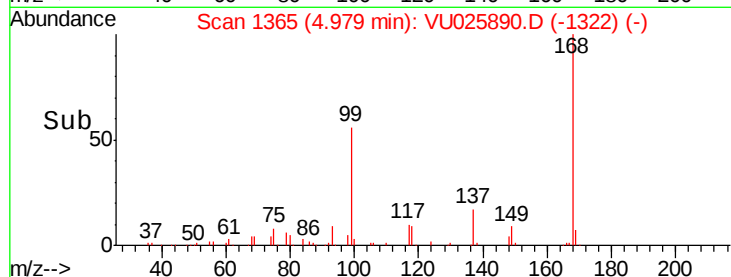
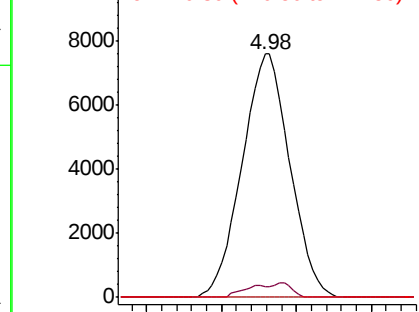
#38
Carbon Tetrachloride
Concen: 4.533 ug/l
RT: 4.98 min Scan# 1365
Delta R.T. -0.16 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
SB-2(8-10)

Tgt Ion:117 Resp: 16867
Ion Ratio Lower Upper
117 100
119 4.4 75.7 113.5#
121 0.0 24.6 36.8#

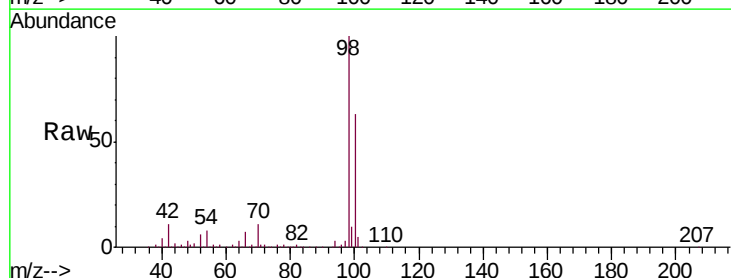


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

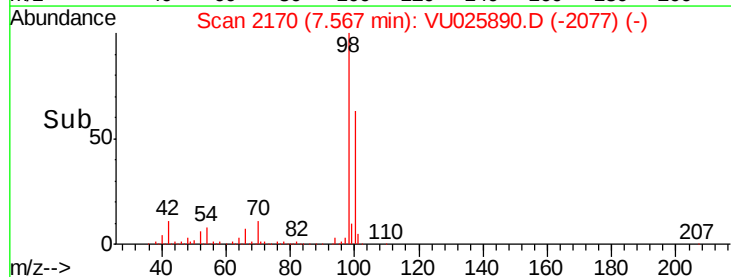
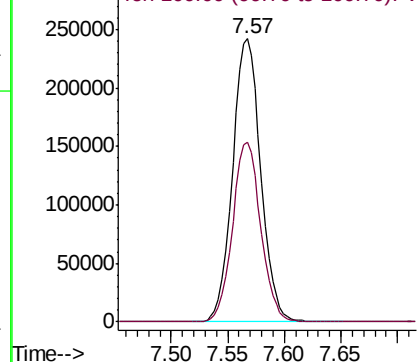


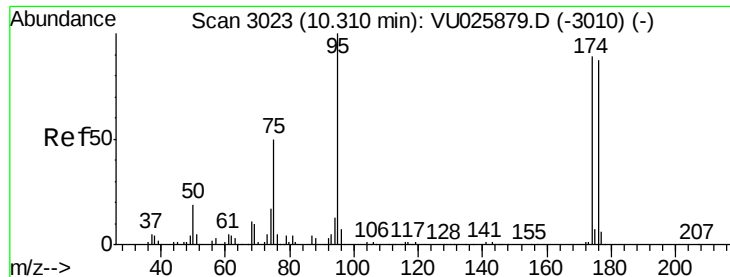
#50
Toluene-d8
Concen: 49.059 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Tgt Ion: 98 Resp: 419699
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 52.241 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

SB-2(8-10)

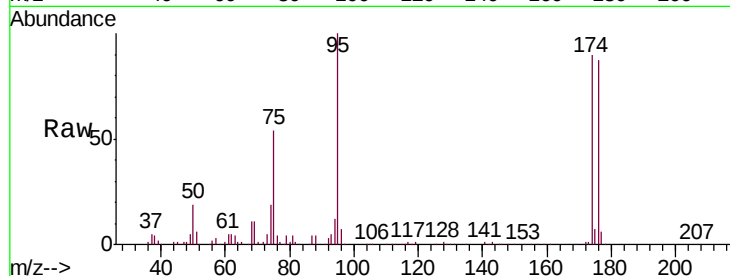
Tgt Ion: 95 Resp: 173466

Ion Ratio Lower Upper

95 100

174 89.1 0.0 172.2

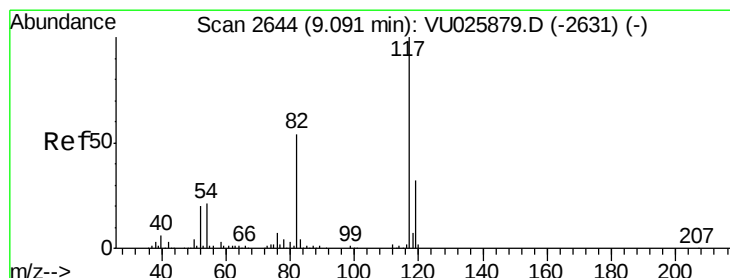
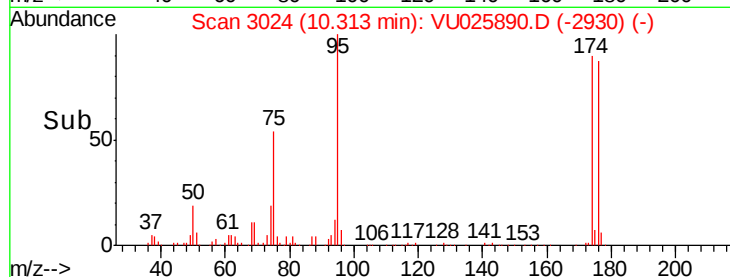
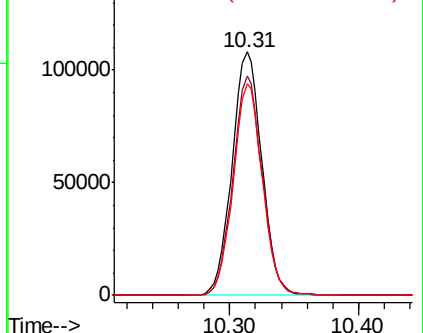
176 85.2 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025879.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025879.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

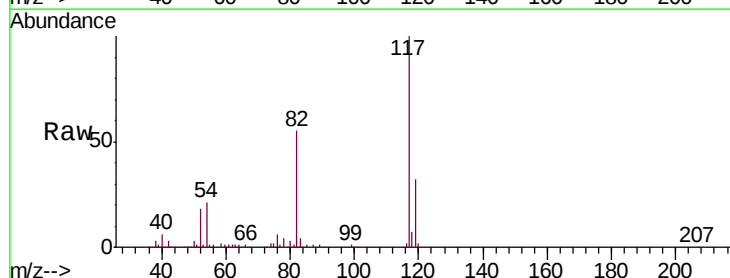
Tgt Ion: 117 Resp: 292703

Ion Ratio Lower Upper

117 100

82 54.6 46.0 69.0

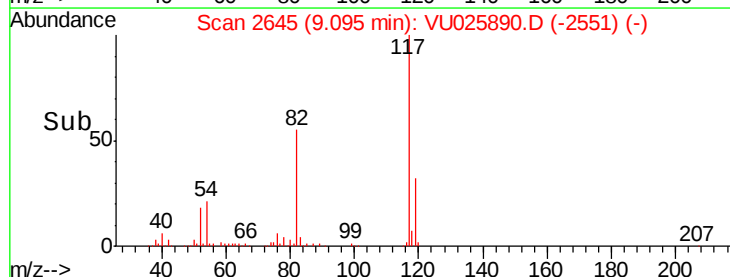
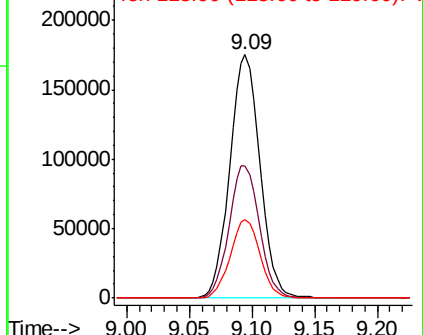
119 32.4 26.0 39.0

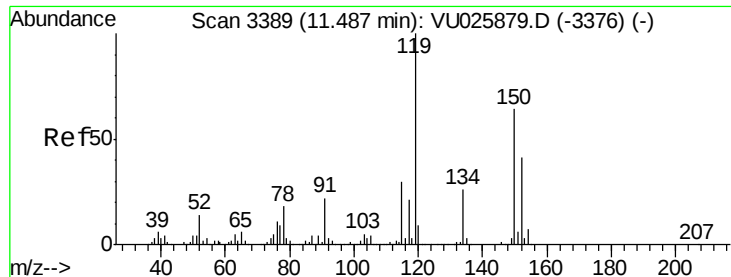


Abundance Ion 116.90 (116.60 to 117.60): VU025879.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025879.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025879.D (-2631) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025890.D

Acq: 06 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

SB-2(8-10)

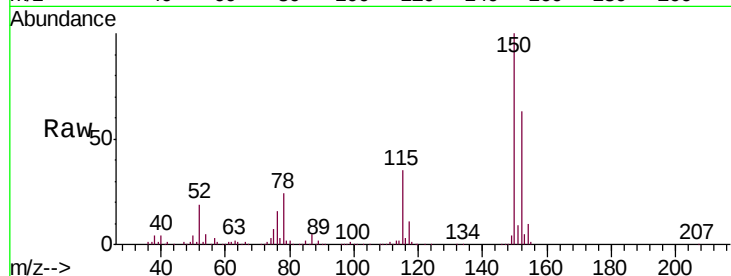
Tgt Ion:152 Resp: 185851

Ion Ratio Lower Upper

152 100

115 57.0 40.1 120.3

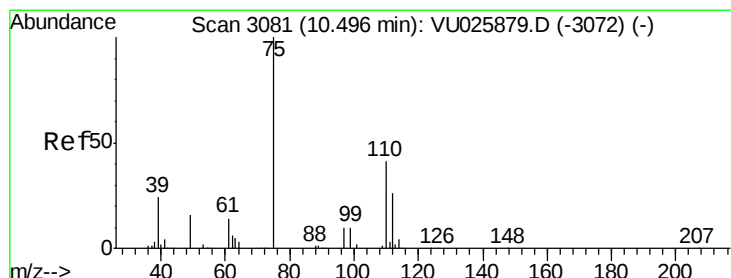
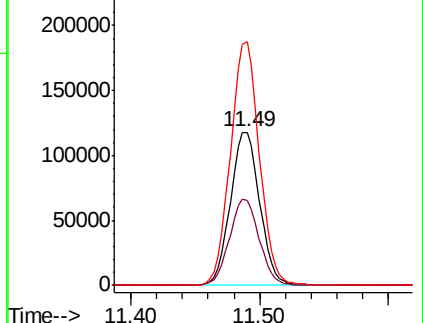
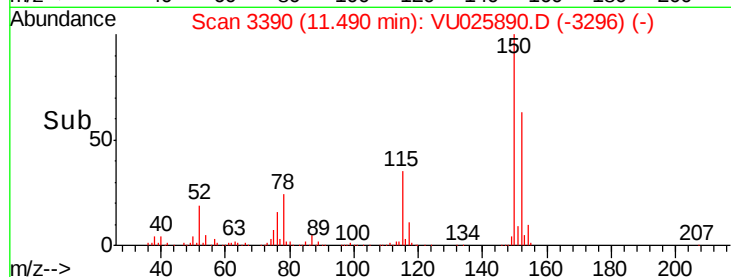
150 157.2 0.0 351.4



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: 22.074 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025890.D

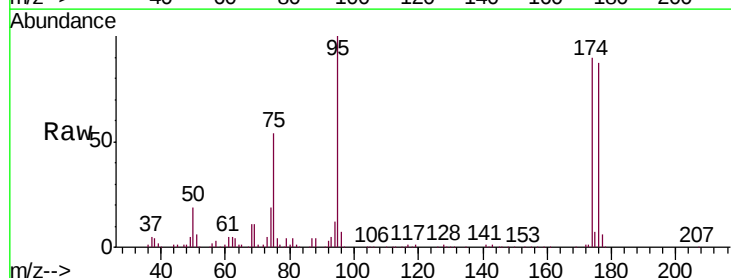
Acq: 06 Aug 2018 16:54

Tgt Ion: 75 Resp: 90392

Ion Ratio Lower Upper

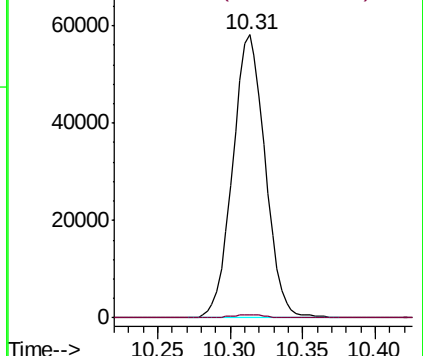
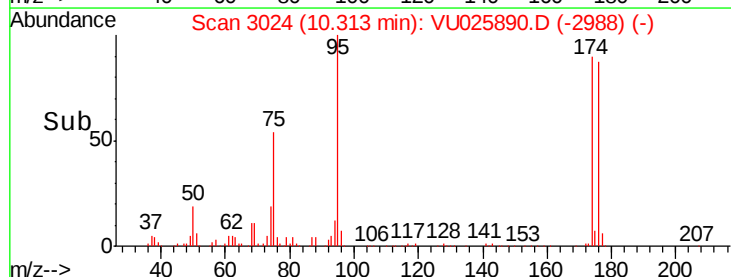
75 100

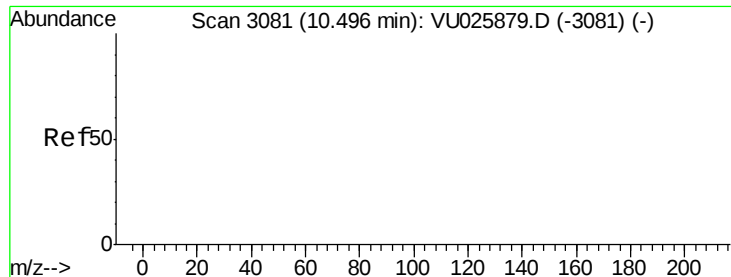
77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

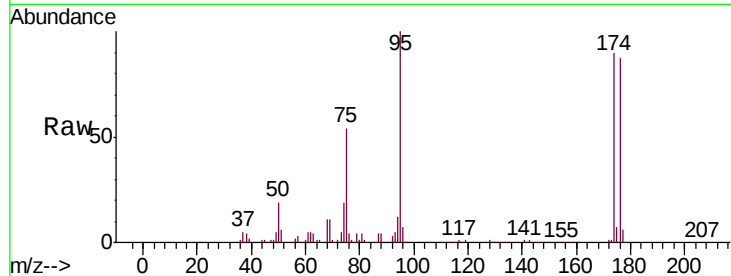




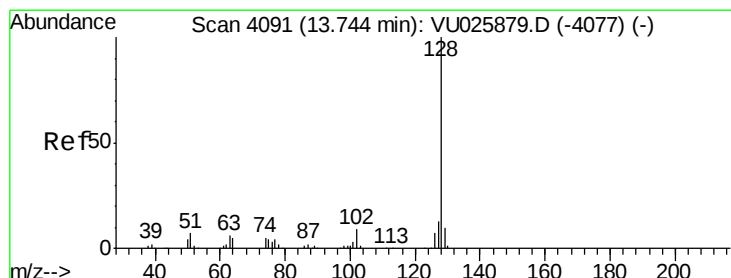
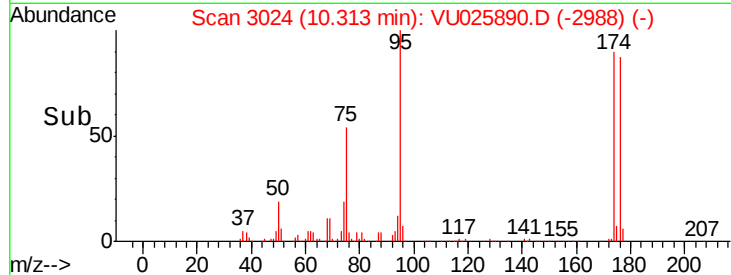
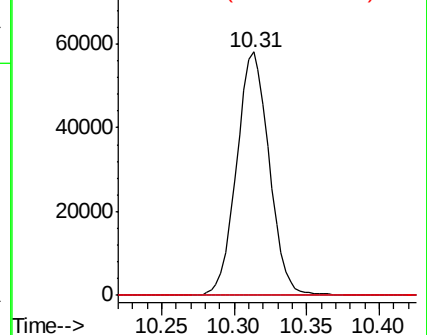
#81
trans-1,4-Dichloro-2-butene
Concen: 55.351 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.18 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
SB-2(8-10)

Tgt Ion: 75 Resp: 90392
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

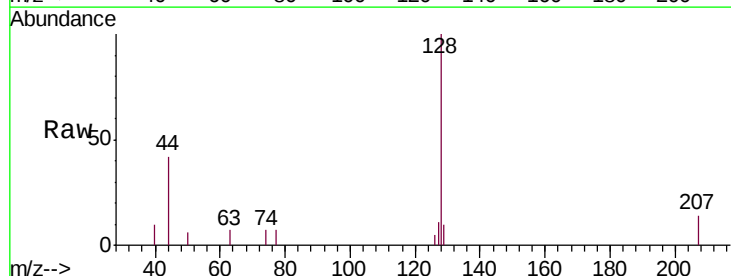


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 1.593 ug/l
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU025890.D
Acq: 06 Aug 2018 16:54

Tgt Ion: 128 Resp: 4844
Ion Ratio Lower Upper
128 100
127 9.5 10.5 15.7#
129 3.7 8.3 12.5#



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

