

Data File : VU025886.D
Acq On : 06 Aug 2018 15:20
Operator : MD/SY
Sample : J4164-08
Misc : 9.02g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SB-4(7-9)

Quant Time: Aug 07 00:52:01 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	171801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178895	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	142269	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	4.88	113	116766	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	7.57	98	408609	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	10.31	95	168894	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

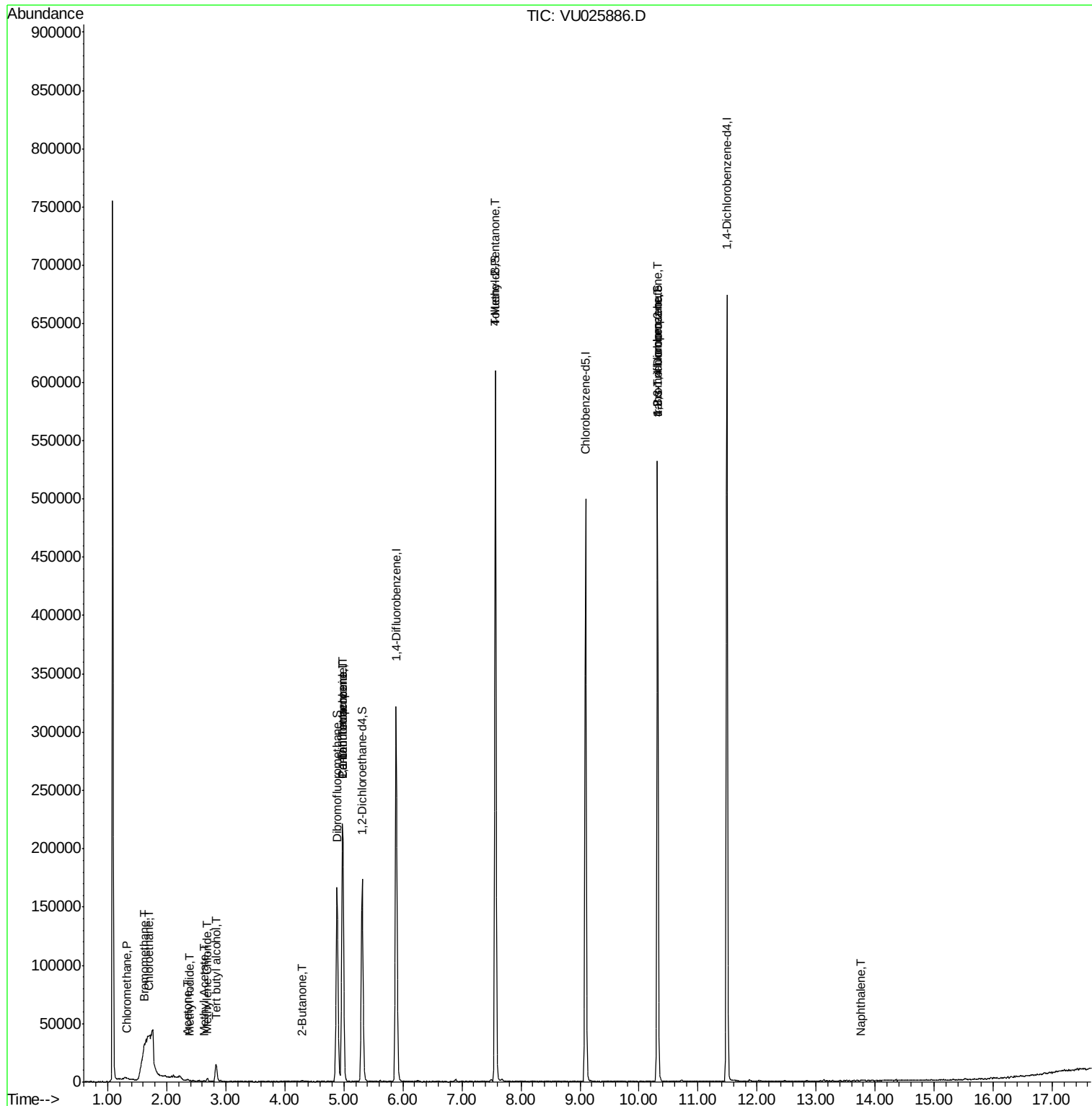
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	856	0.345	ug/l	100
5) Bromomethane	1.60	94	705	0.618	ug/l	91
6) Chloroethane	1.70	64	778	0.570	ug/l #	63
10) Methyl Iodide	2.40	142	60	8.623	ug/l #	39
11) Tert butyl alcohol	2.83	59	9798	16.718	ug/l #	73
13) Acrolein	2.14	56	123	Below Cal	#	55
16) Acetone	2.34	43	853	0.654	ug/l #	87
18) Methyl Acetate	2.63	43	978	0.311	ug/l #	52
20) Methylene Chloride	2.69	84	1253	0.542	ug/l #	82
25) 2-Butanone	4.28	43	646	0.364	ug/l #	88
31) Cyclohexane	4.98	56	3225	Below Cal	#	31
36) 1,1-Dichloropropene	4.98	75	13636	4.238	ug/l #	48
38) Carbon Tetrachloride	4.98	117	16761	4.599	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	1760	0.510	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	87586	22.221	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	87586	55.718	ug/l #	100
95) Naphthalene	13.75	128	805	1.310	ug/l #	69

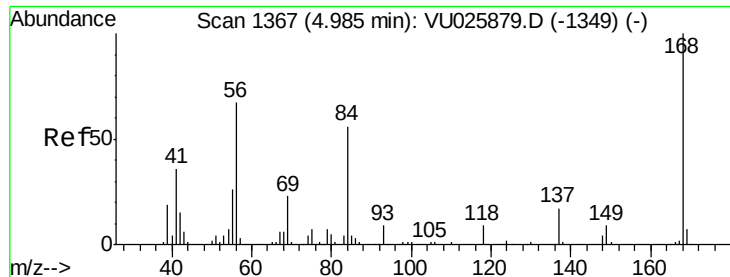
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025886.D

Acq: 06 Aug 2018 15:20

Instrument :

MSVOA_U

ClientSampleId :

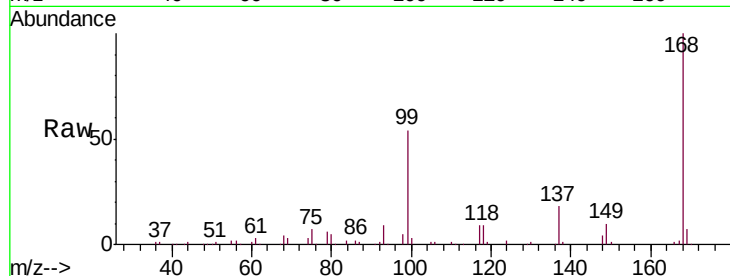
SB-4(7-9)

Tgt Ion:168 Resp: 171801

Ion Ratio Lower Upper

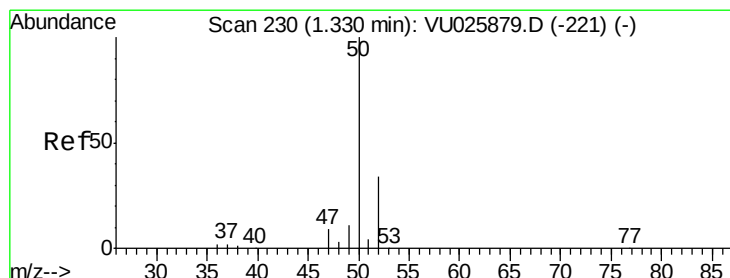
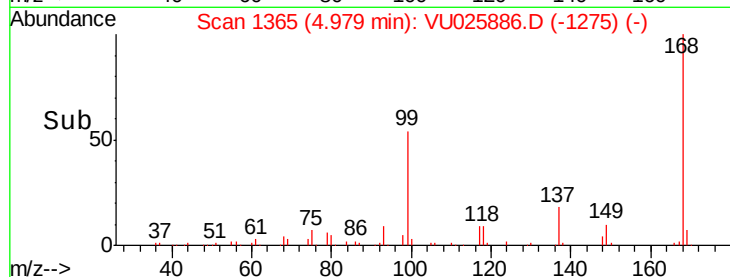
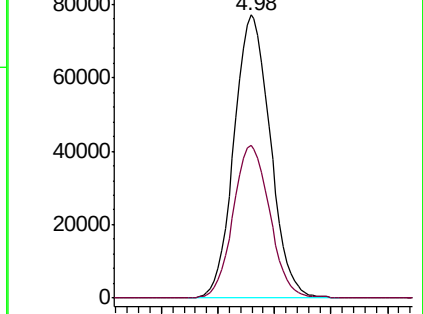
168 100

99 54.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#3

Chloromethane

Concen: 0.345 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025886.D

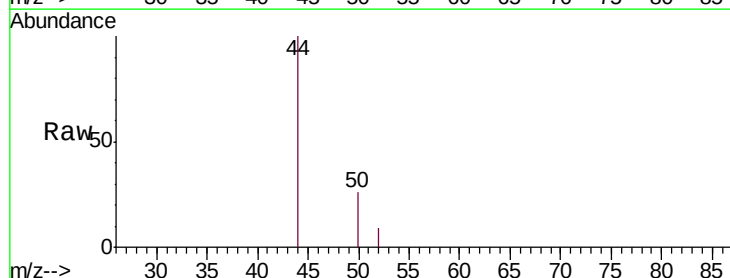
Acq: 06 Aug 2018 15:20

Tgt Ion: 50 Resp: 856

Ion Ratio Lower Upper

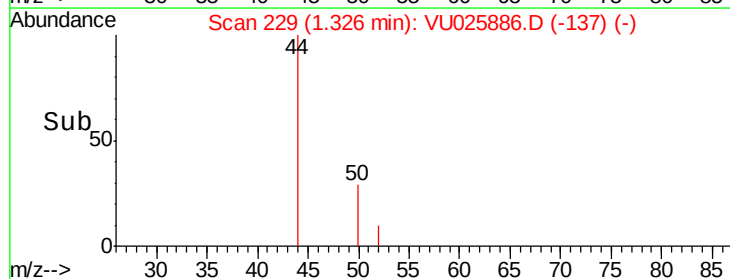
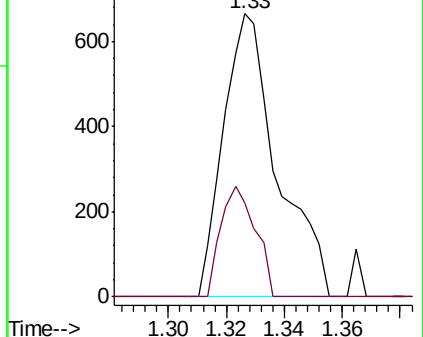
50 100

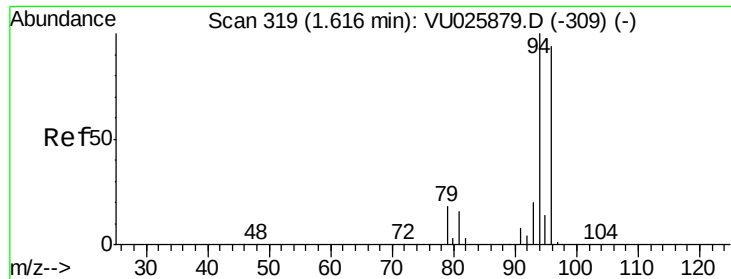
52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025879.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025879.D (-221) (-)





#5

Bromomethane

Concen: 0.618 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU025886.D

Acq: 06 Aug 2018 15:20

Instrument :

MSVOA_U

ClientSampleId :

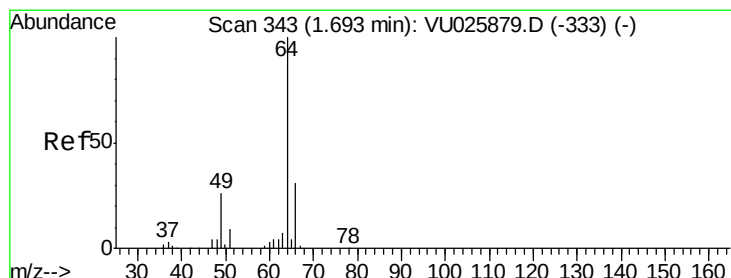
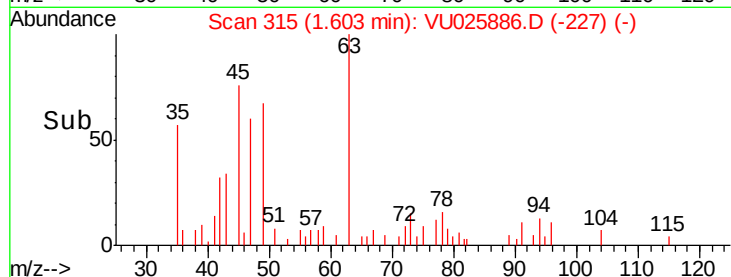
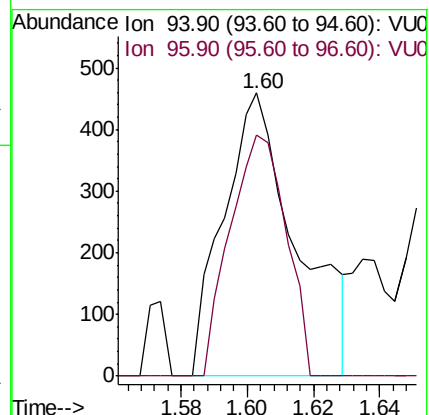
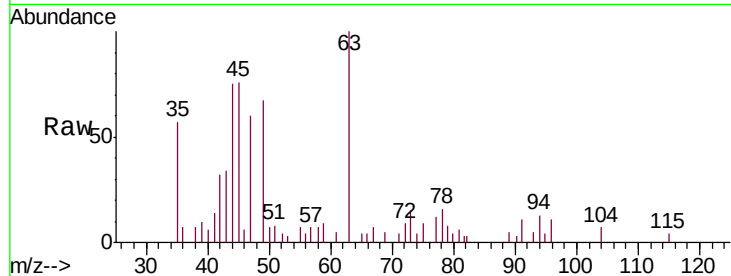
SB-4(7-9)

Tgt Ion: 94 Resp: 705

Ion Ratio Lower Upper

94 100

96 85.4 75.0 112.4



#6

Chloroethane

Concen: 0.570 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025886.D

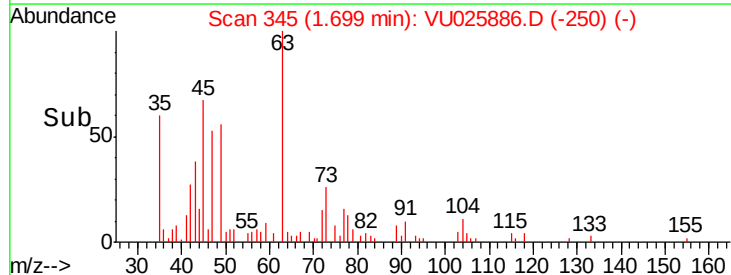
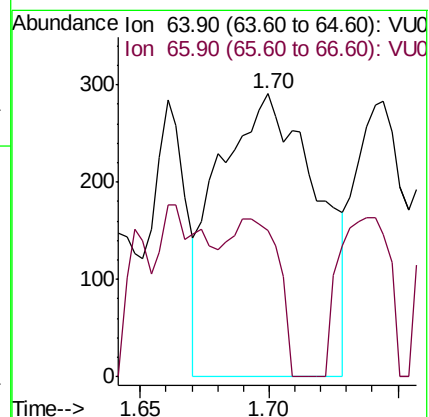
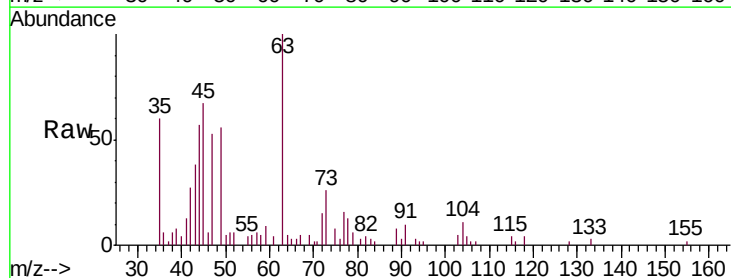
Acq: 06 Aug 2018 15:20

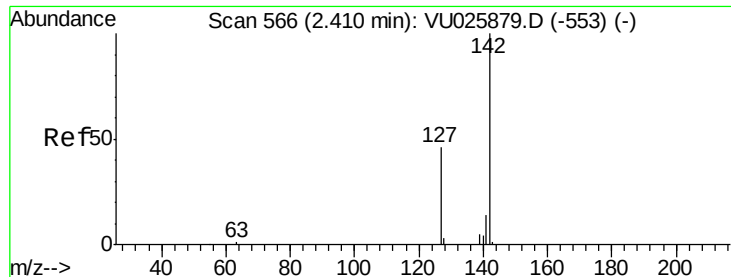
Tgt Ion: 64 Resp: 778

Ion Ratio Lower Upper

64 100

66 10.7 25.0 37.4#

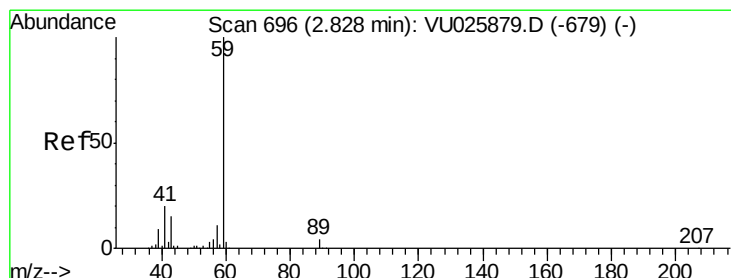
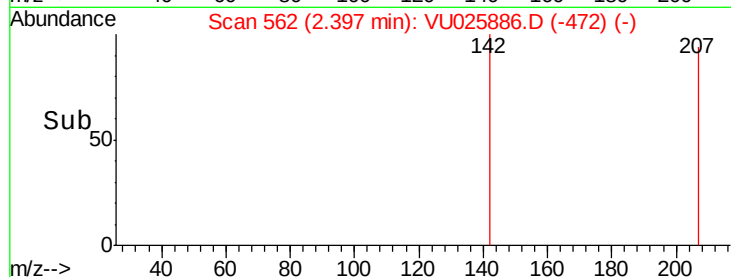
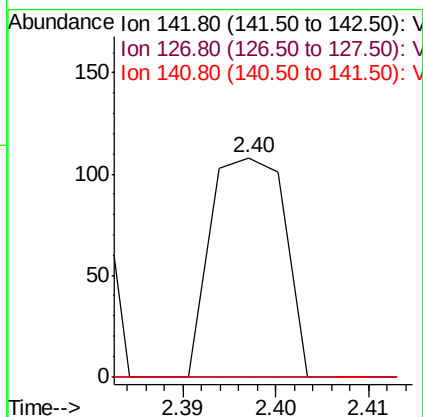
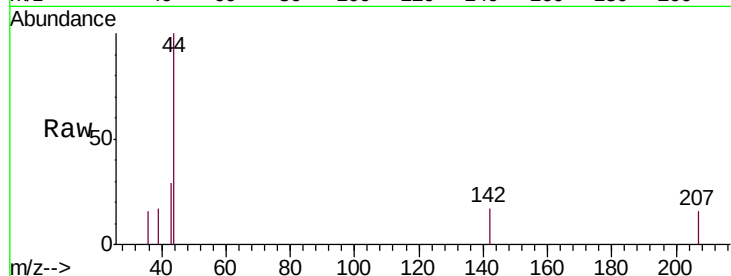




#10
Methyl Iodide
Concen: 8.623 ug/l
RT: 2.40 min Scan# 562
Delta R.T. -0.01 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

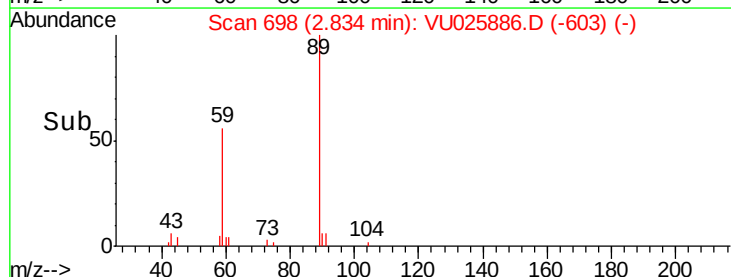
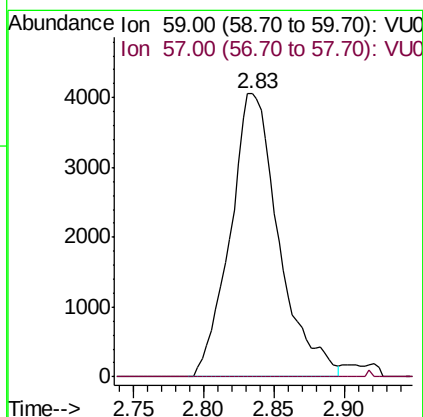
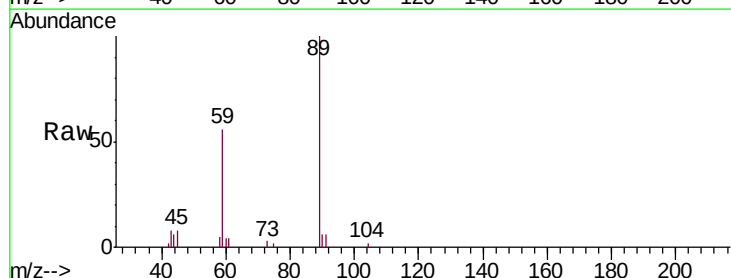
Instrument :
MSVOA_U
ClientSampleId :
SB-4(7-9)

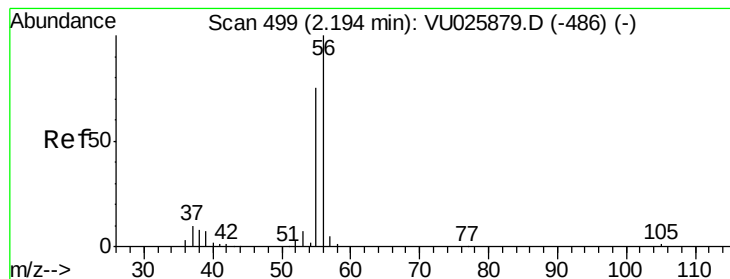
Tgt Ion: 142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 16.718 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

Tgt Ion: 59 Resp: 9798
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 483

Delta R.T. -0.05 min

Lab File: VU025886.D

Acq: 06 Aug 2018 15:20

Instrument :

MSVOA_U

ClientSampleId :

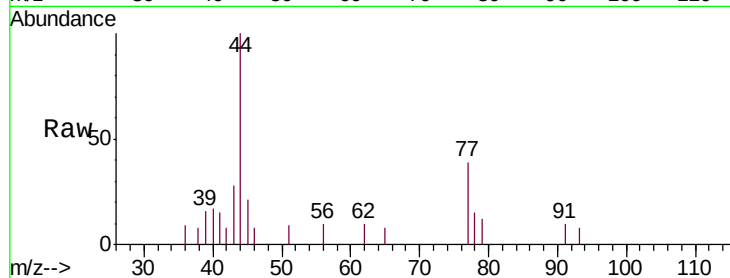
SB-4(7-9)

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

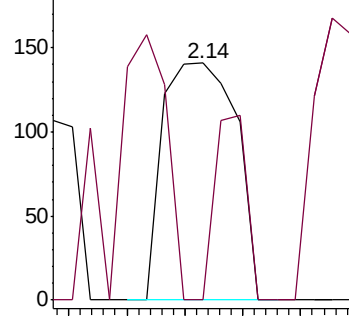
56 100

55 34.1 57.2 85.8#

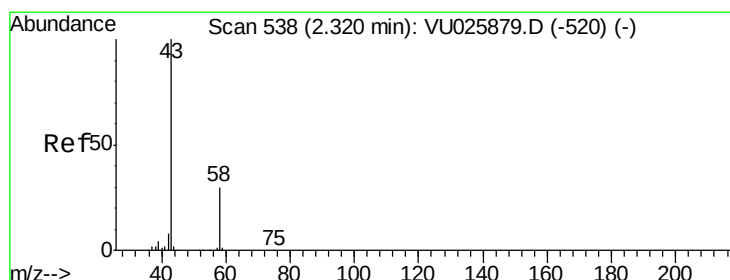
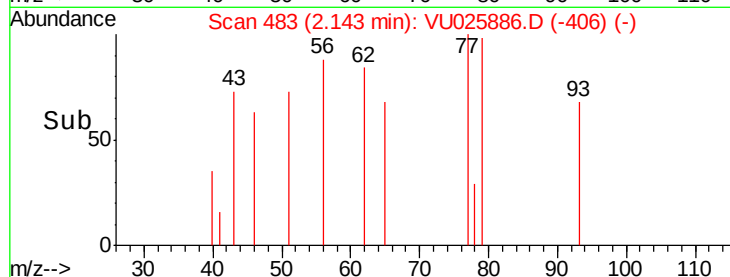


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.654 ug/l

RT: 2.34 min Scan# 545

Delta R.T. 0.02 min

Lab File: VU025886.D

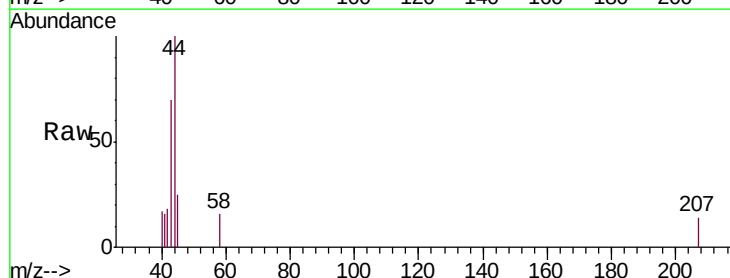
Acq: 06 Aug 2018 15:20

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

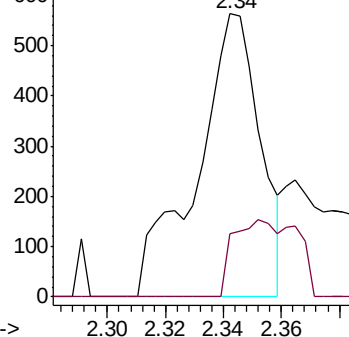
43 100

58 22.2 23.1 34.7#

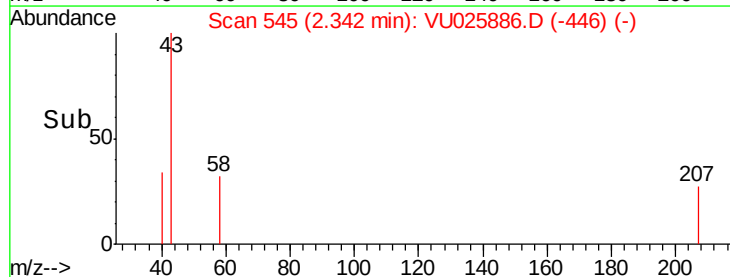


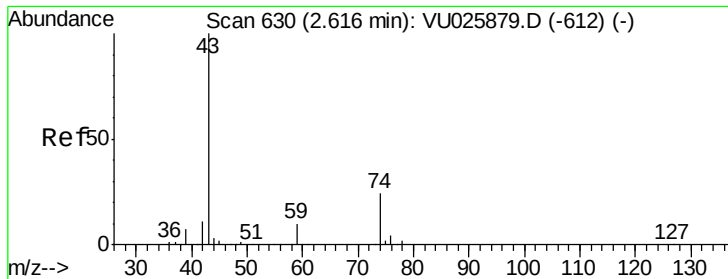
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

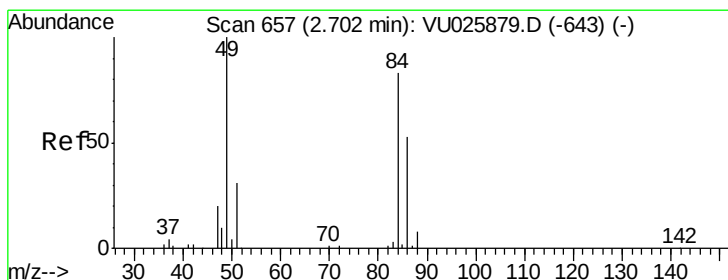
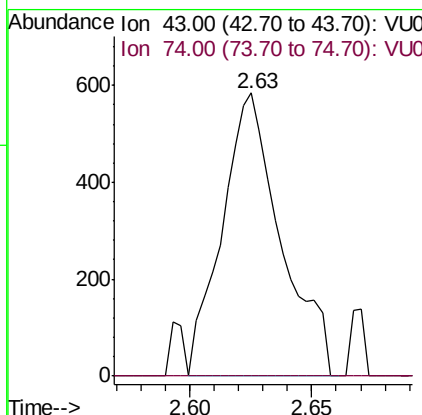
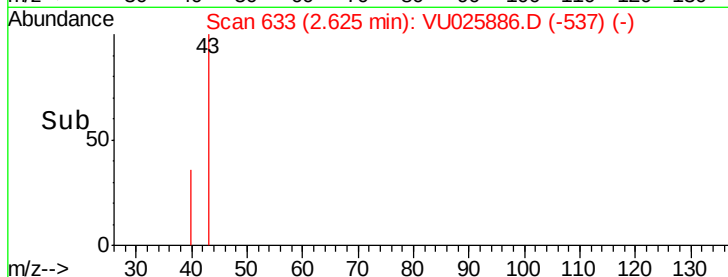
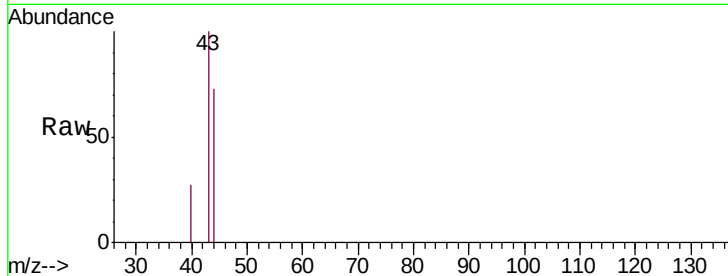




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.63 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

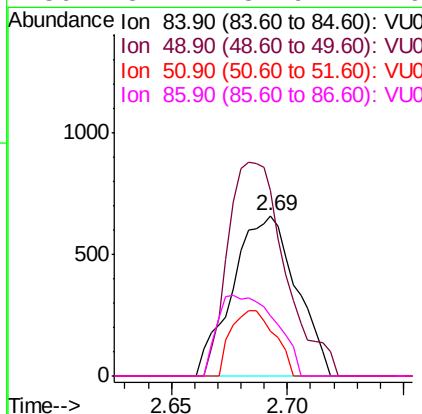
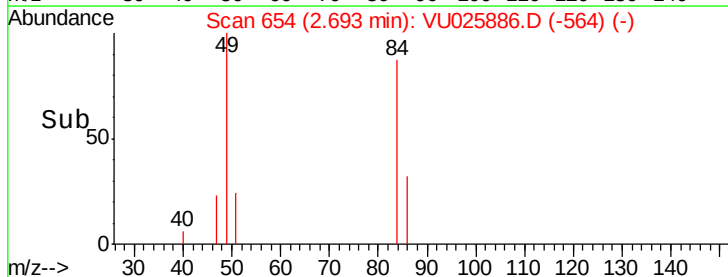
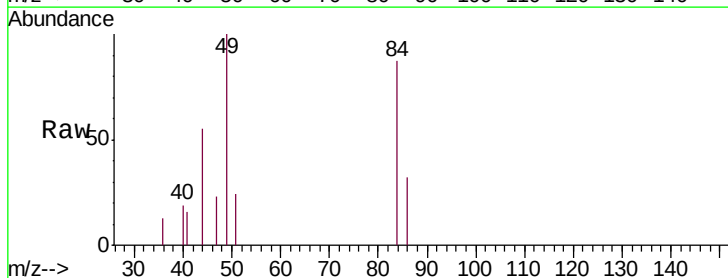
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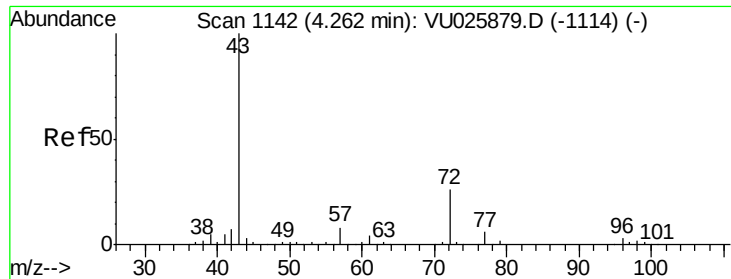
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.542 ug/l
RT: 2.69 min Scan# 654
Delta R.T. -0.01 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

Tgt Ion: 84 Resp: 1253
Ion Ratio Lower Upper
84 100
49 115.6 101.8 152.6
51 27.7 30.8 46.2#
86 37.2 51.9 77.9#

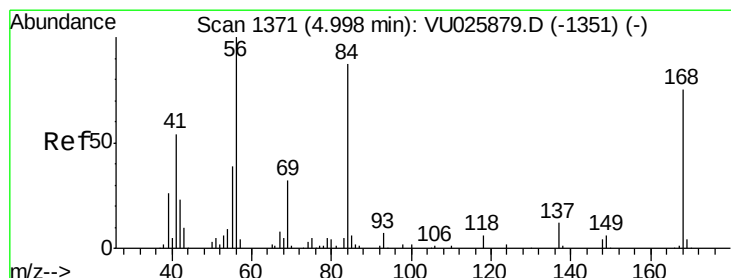
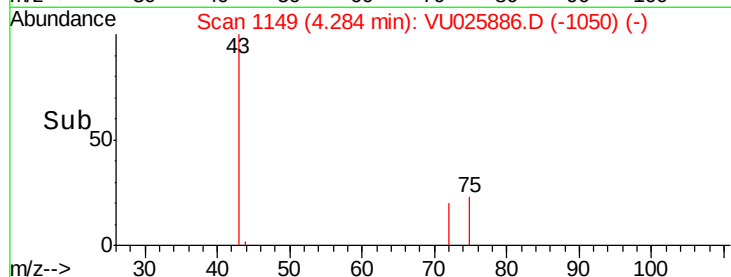
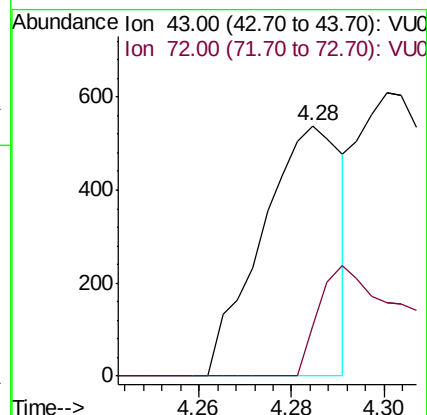
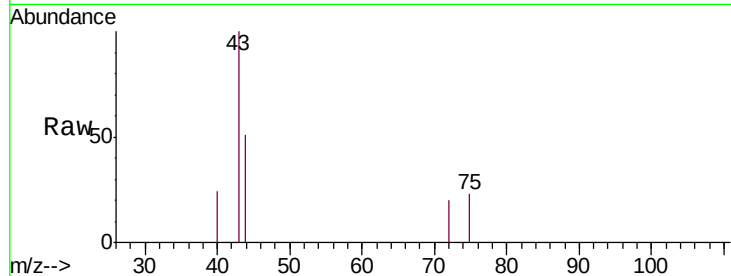




#25
2-Butanone
Concen: 0.364 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

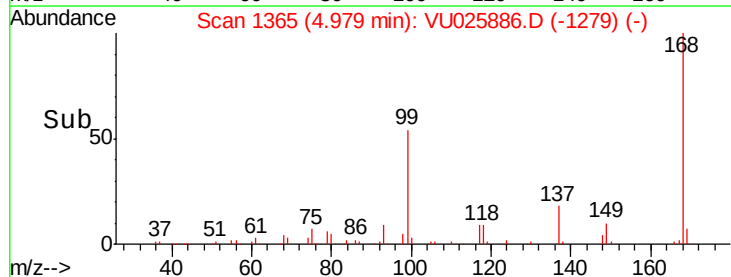
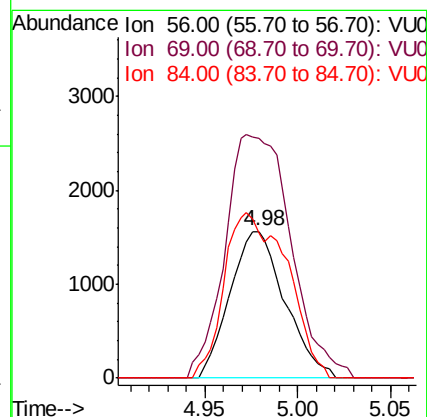
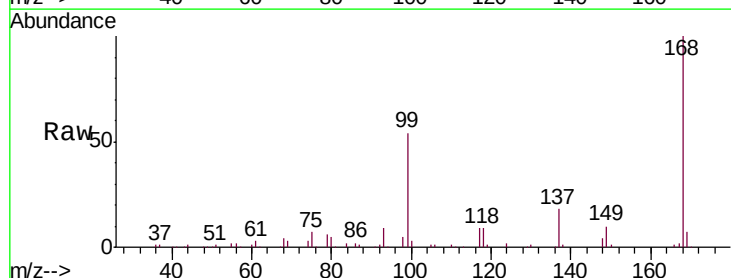
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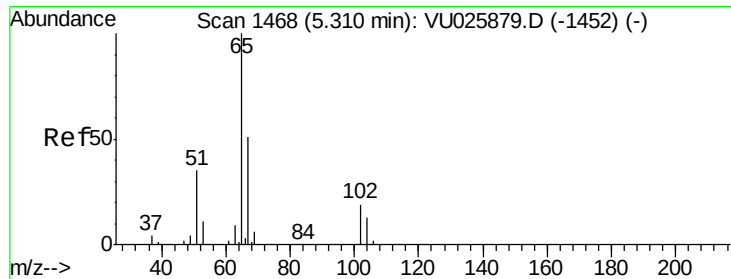
Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
72 20.3 21.0 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

Tgt Ion: 56 Resp: 3225
Ion Ratio Lower Upper
56 100
69 155.1 26.8 40.2#
84 99.0 69.7 104.5

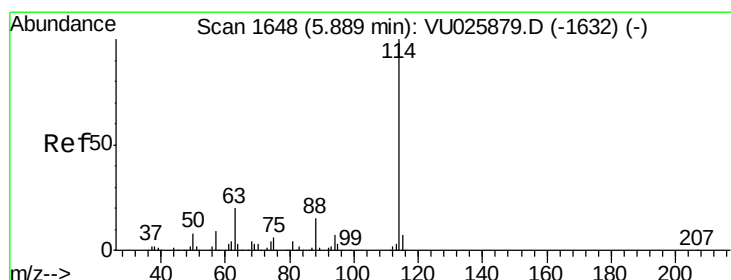
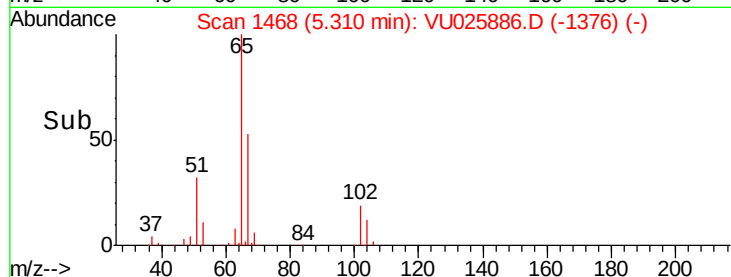
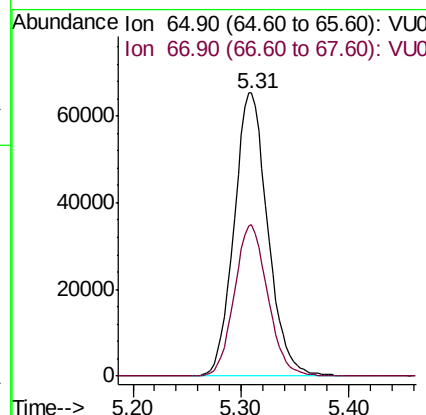
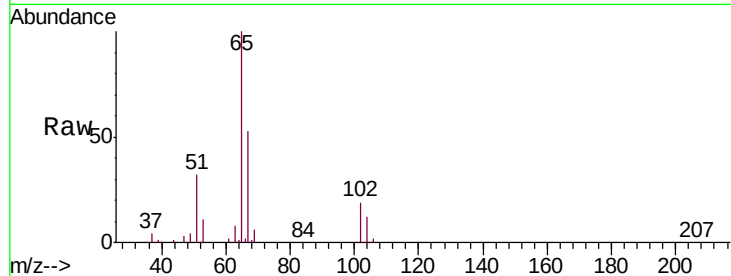




#33
 1,2-Dichloroethane-d4
 Concen: 53.148 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

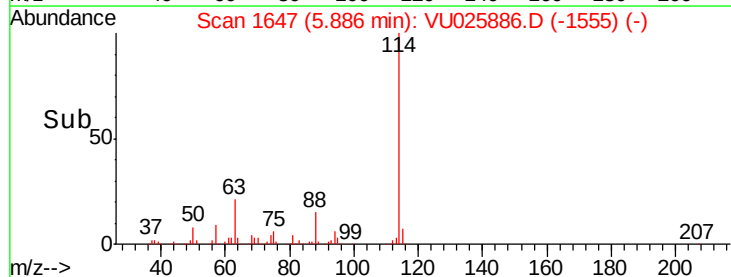
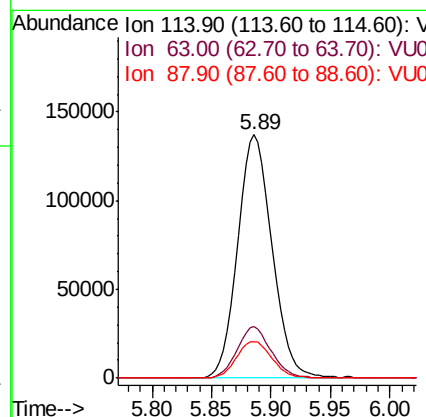
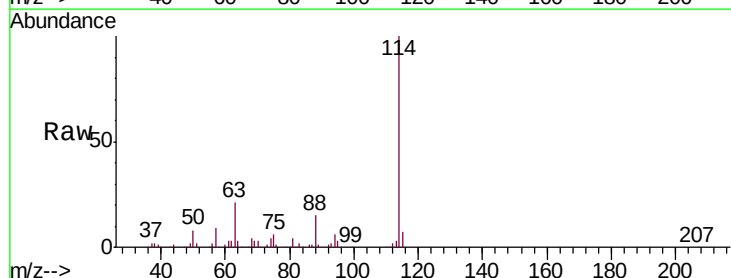
Instrument :
 MSVOA_U
 ClientSampleId :
 SB-4(7-9)

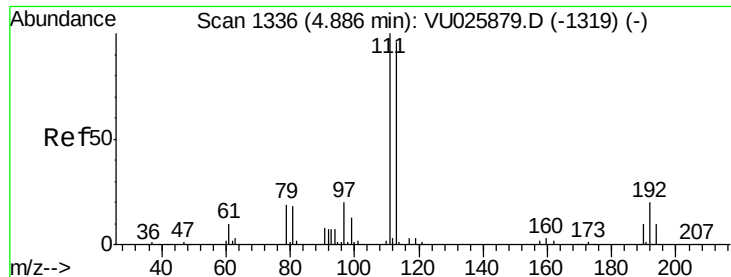
Tgt Ion: 65 Resp: 142269
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.00 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

Tgt Ion: 114 Resp: 275305
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 15.2 0.0 32.4

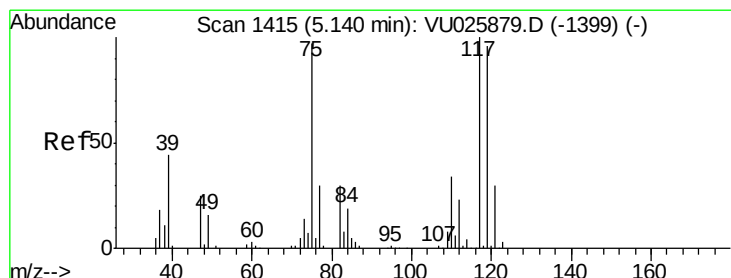
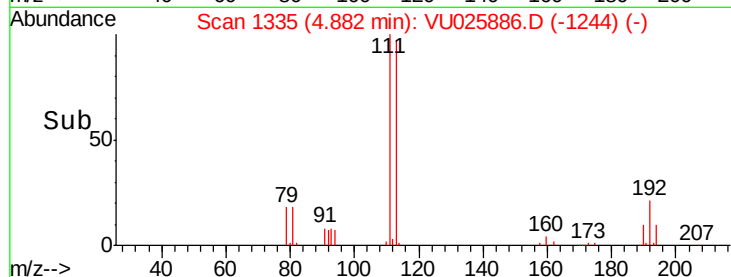
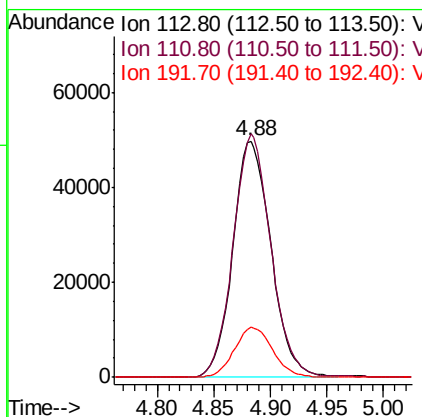
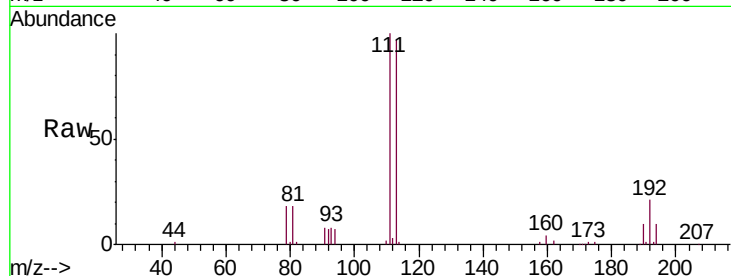




#35
 Dibromofluoromethane
 Concen: 48.765 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

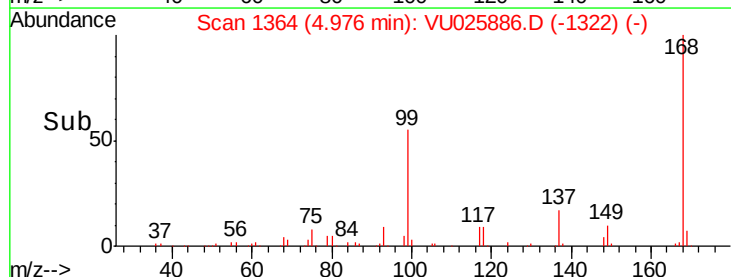
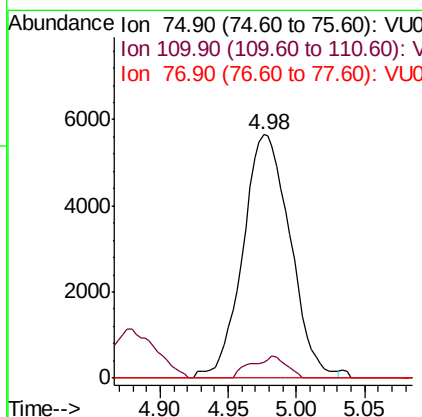
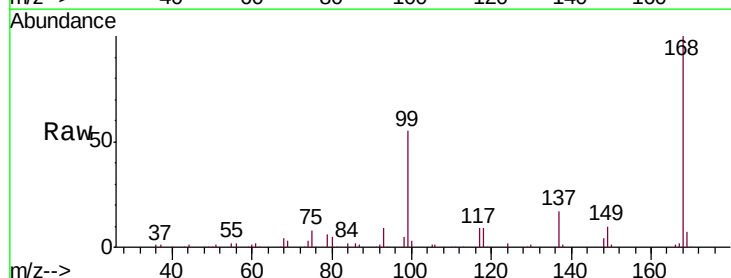
Instrument :
 MSVOA_U
 ClientSampleId :
 SB-4(7-9)

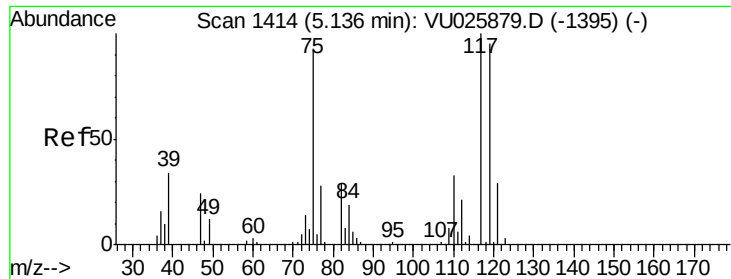
Tgt Ion:113 Resp: 116766
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.238 ug/l
 RT: 4.98 min Scan# 1364
 Delta R.T. -0.16 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

Tgt Ion: 75 Resp: 13636
 Ion Ratio Lower Upper
 75 100
 110 6.7 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.599 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025886.D

Acq: 06 Aug 2018 15:20

Instrument :

MSVOA_U

ClientSampleId :

SB-4(7-9)

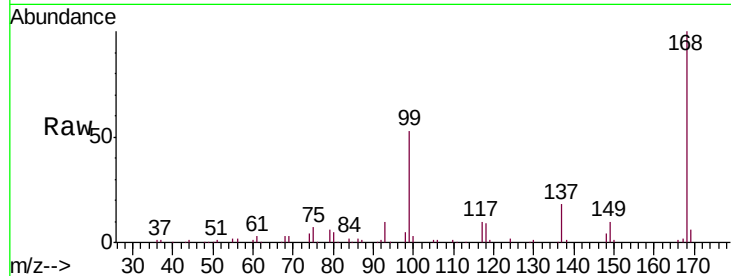
Tgt Ion:117 Resp: 16761

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

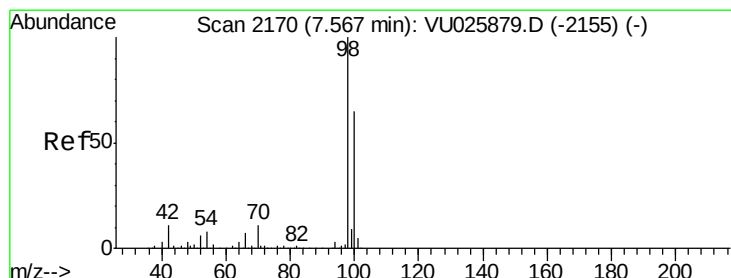
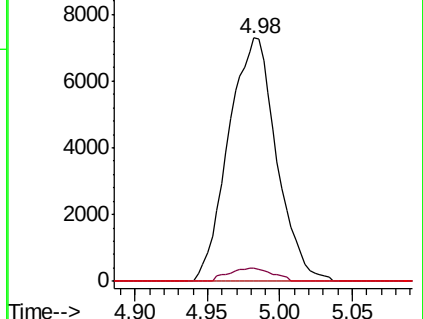
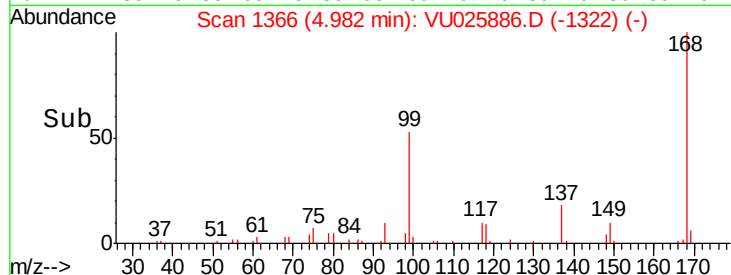
121 0.0 24.6 36.8#



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: 48.765 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025886.D

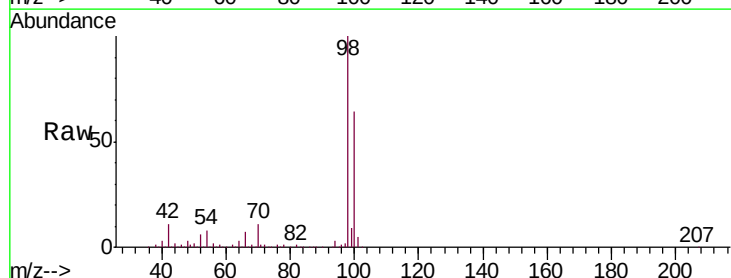
Acq: 06 Aug 2018 15:20

Tgt Ion: 98 Resp: 408609

Ion Ratio Lower Upper

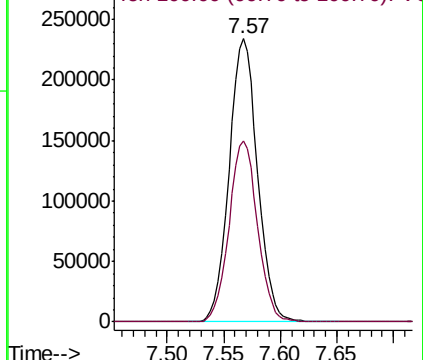
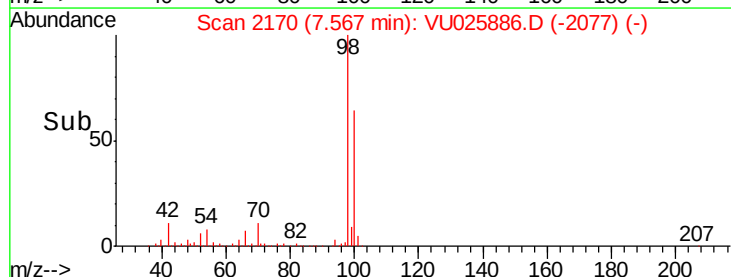
98 100

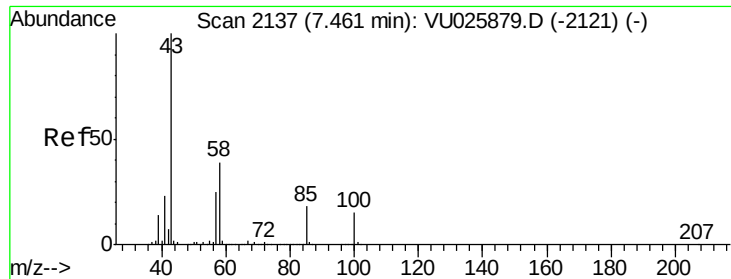
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

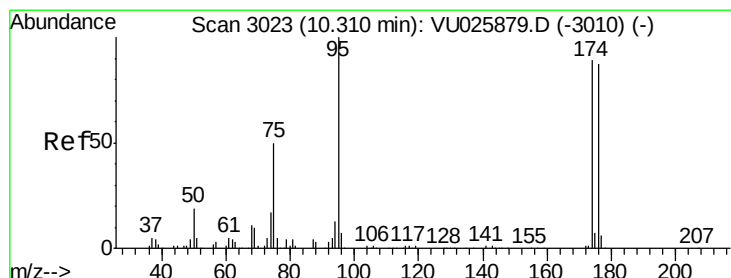
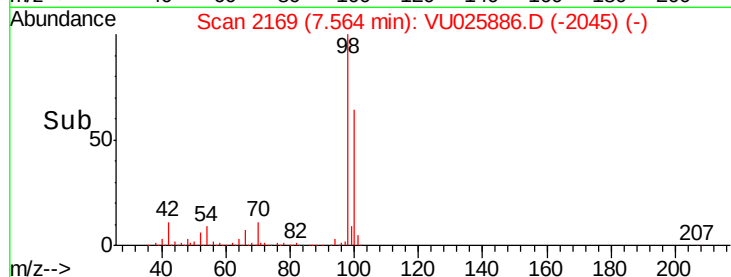
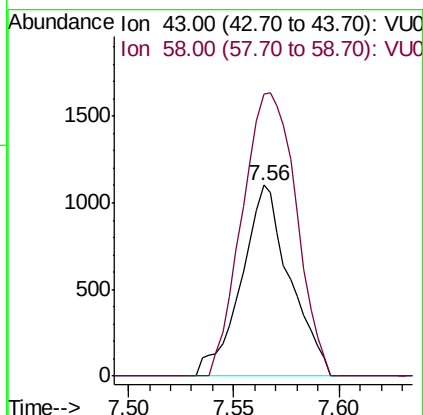
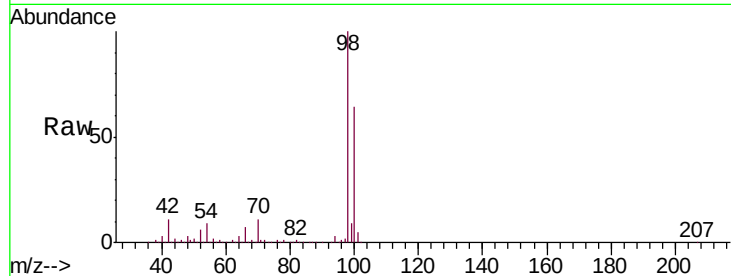




#51
 4-Methyl-2-Pentanone
 Concen: 0.510 ug/l
 RT: 7.56 min Scan# 2169
 Delta R.T. 0.10 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

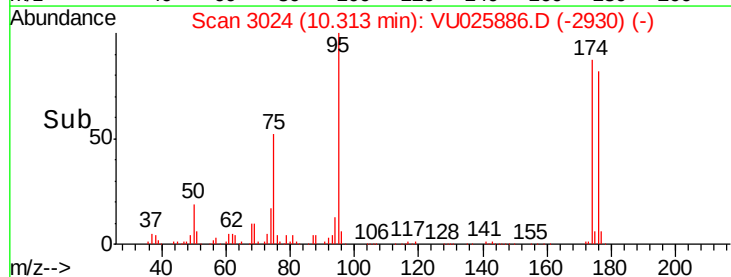
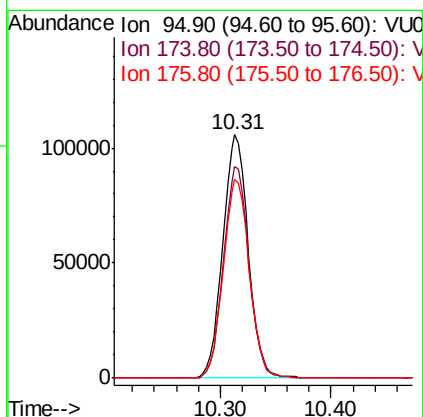
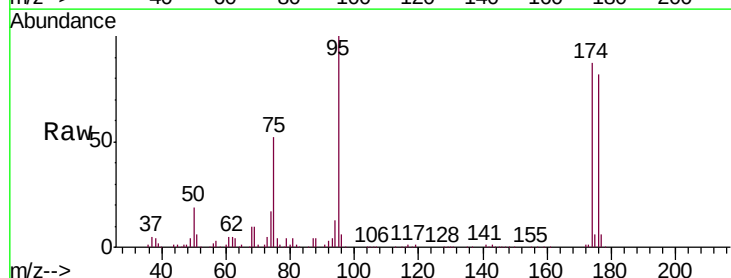
Instrument :
 MSVOA_U
 ClientSampleId :
 SB-4(7-9)

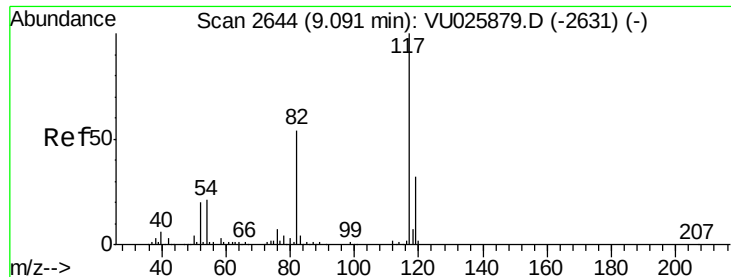
Tgt Ion: 43 Resp: 1760
 Ion Ratio Lower Upper
 43 100
 58 165.2 31.0 46.4#



#62
 4-Bromofluorobenzene
 Concen: 51.931 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

Tgt Ion: 95 Resp: 168894
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 172.2
 176 83.7 0.0 162.6

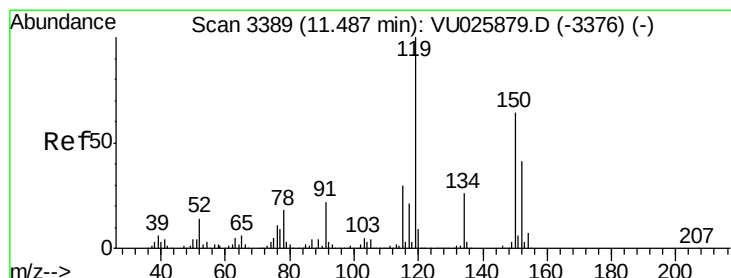
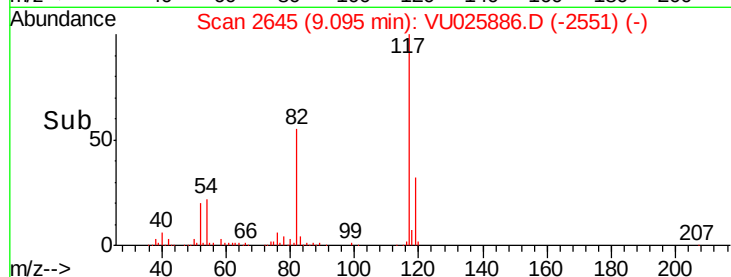
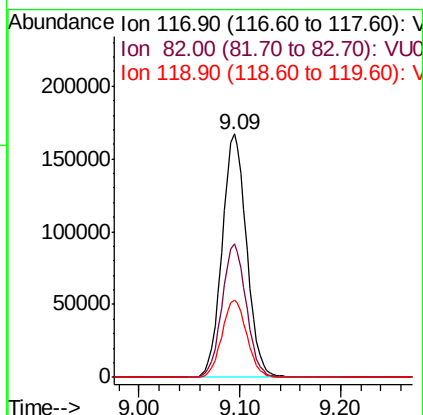
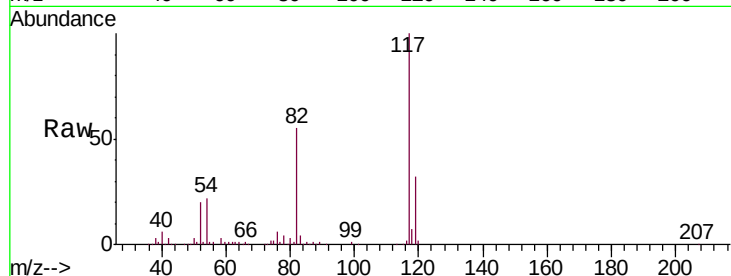




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

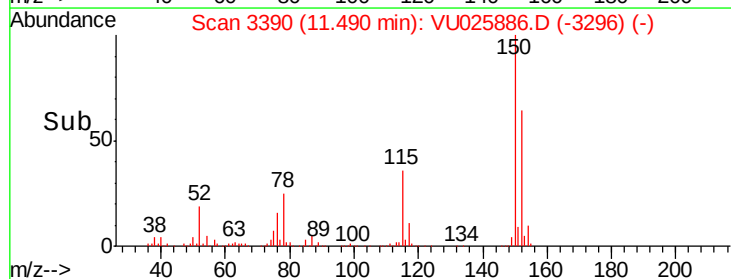
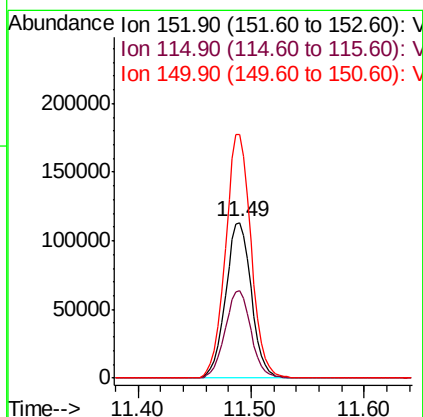
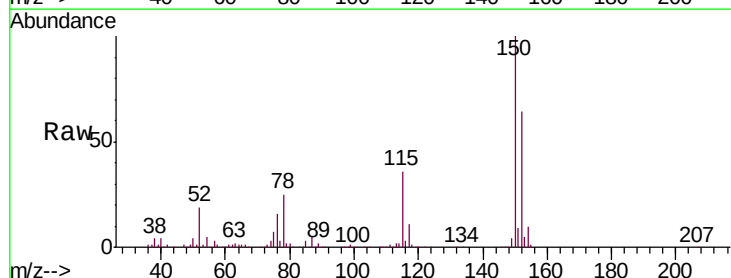
Instrument :
MSVOA_U
ClientSampleId :
SB-4(7-9)

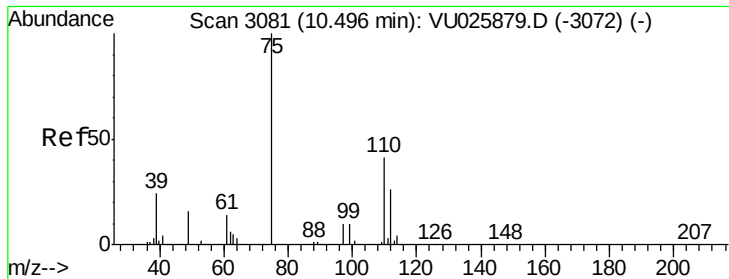
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	283992		
82	54.7	46.0	69.0	
119	32.0	26.0	39.0	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025886.D
Acq: 06 Aug 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	178895		
115	56.6	40.1	120.3	
150	156.2	0.0	351.4	





#76

1,2,3-Trichloropropane

Concen: 22.221 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025886.D

Acq: 06 Aug 2018 15:20

Instrument :

MSVOA_U

ClientSampleId :

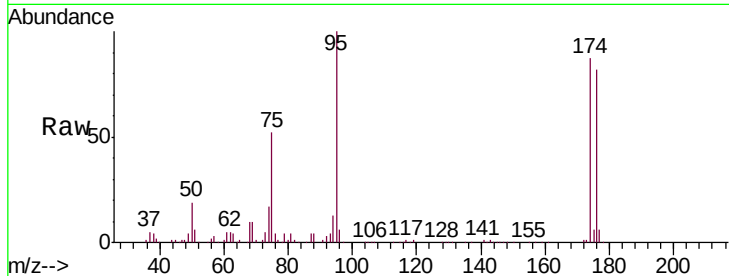
SB-4(7-9)

Tgt Ion: 75 Resp: 87586

Ion Ratio Lower Upper

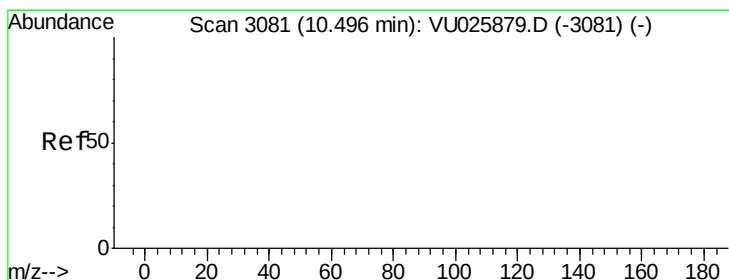
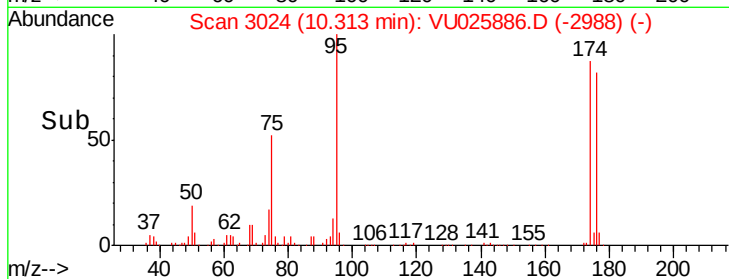
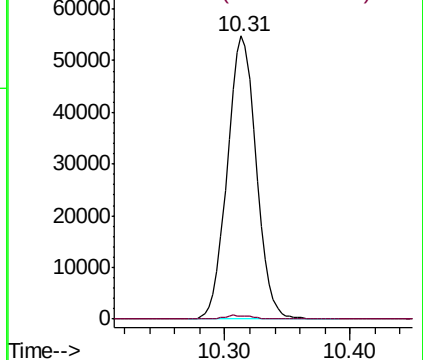
75 100

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: 55.718 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025886.D

Acq: 06 Aug 2018 15:20

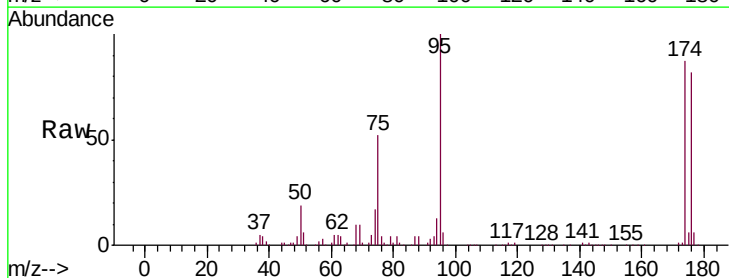
Tgt Ion: 75 Resp: 87586

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

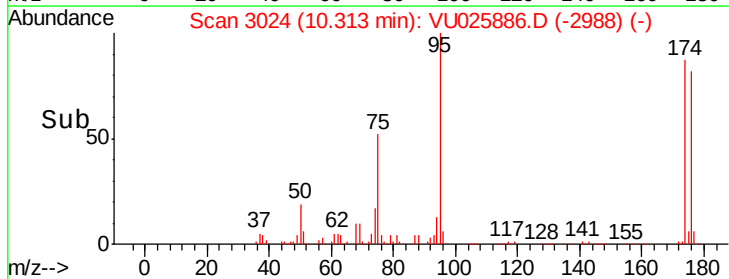
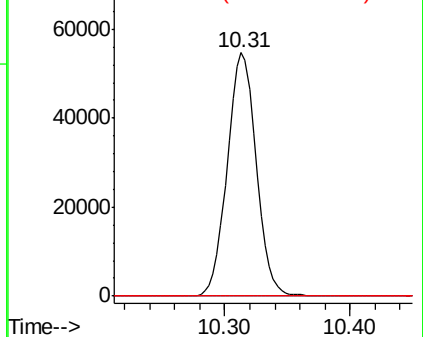
89 0.0 0.0 0.0

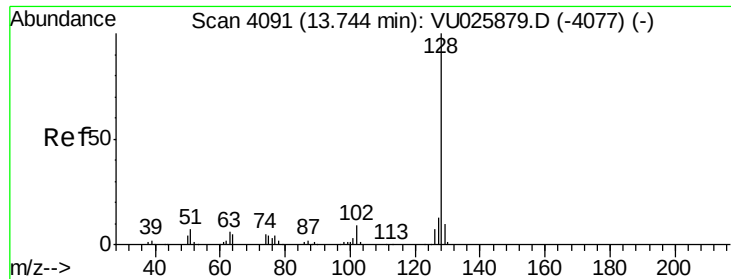


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
 Naphthalene
 Concen: 1.310 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025886.D
 Acq: 06 Aug 2018 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-4(7-9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.3	12.5#

