

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027958.D
 Acq On : 05 Nov 2018 15:32
 Operator : MD/SY
 Sample : PB114473ZHE#13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#13

Quant Time: Nov 06 03:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	352274	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	320185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	155670	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	4.89	113	114042	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	7.57	98	452257	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	10.31	95	155115	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

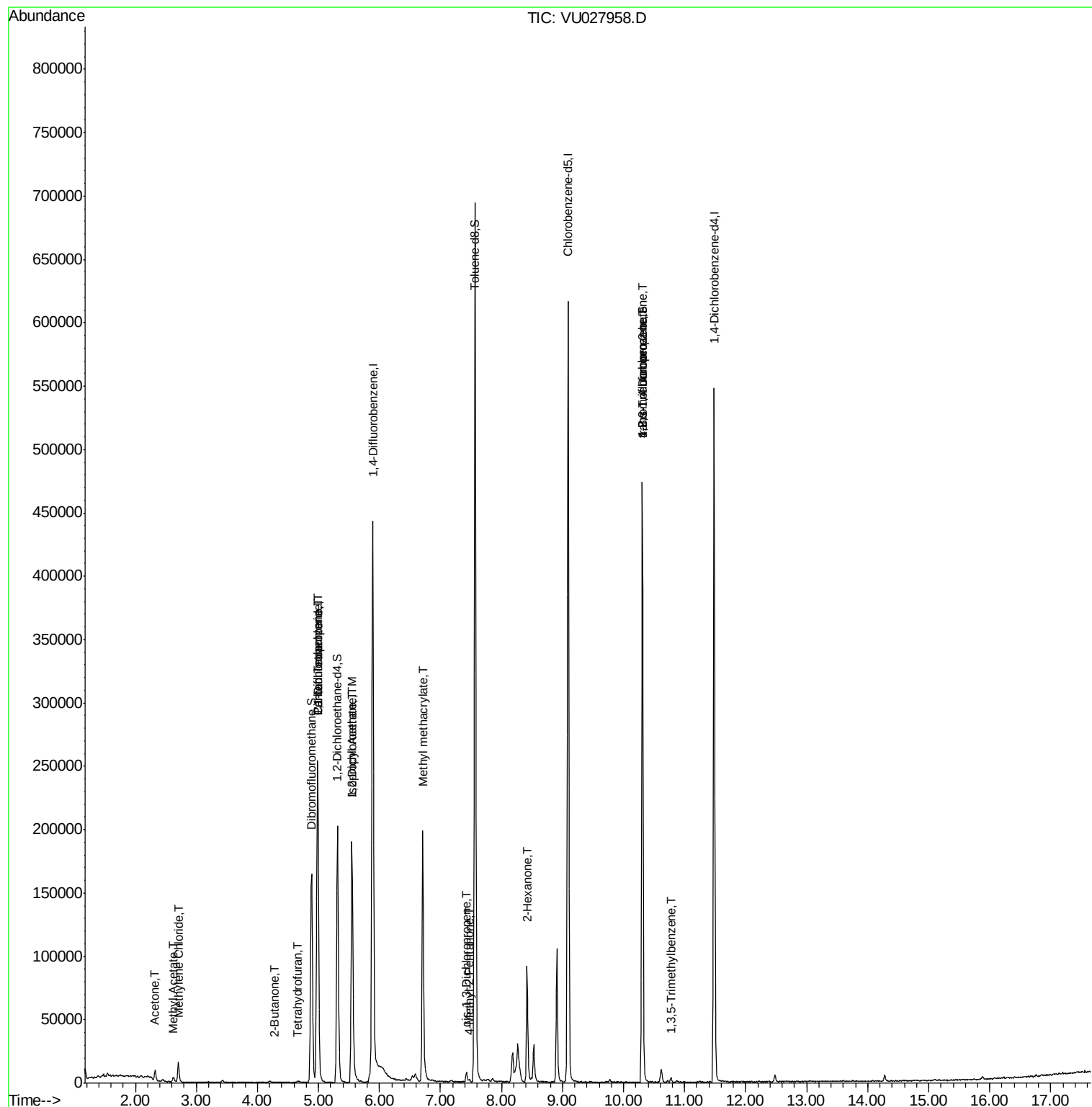
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.17	56	48	Below Cal	#	68
16) Acetone	2.32	43	9170	5.197	ug/l	93
18) Methyl Acetate	2.62	43	4957	1.021	ug/l	94
20) Methylene Chloride	2.70	84	6368	2.472	ug/l	93
25) 2-Butanone	4.29	43	614	0.219	ug/l #	54
29) Tetrahydrofuran	4.65	42	724	0.386	ug/l #	59
31) Cyclohexane	4.99	56	4101	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16182	4.386	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19251	5.888	ug/l #	17
42) 1,2-Dichloroethane	5.56	62	948	0.236	ug/l #	76
43) Isopropyl Acetate	5.55	43	228383	26.965	ug/l	99
48) Methyl methacrylate	6.71	41	18497	4.457	ug/l #	46
51) 4-Methyl-2-Pentanone	7.47	43	1198	0.212	ug/l	95
54) cis-1,3-Dichloropropene	7.42	75	1472	0.331	ug/l #	50
59) 2-Hexanone	8.42	43	14038	3.209	ug/l #	53
76) 1,2,3-Trichloropropane	10.31	75	80389	21.101	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2102	0.235	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	80389	52.670	ug/l #	100

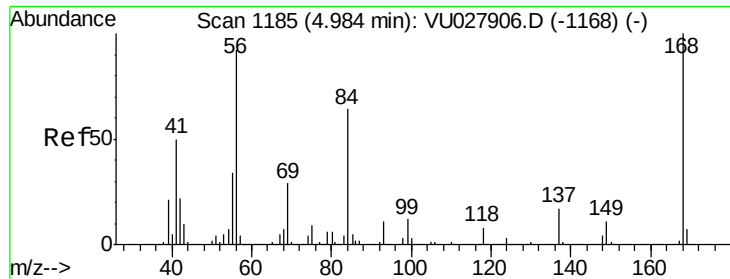
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 02 02:28:20 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

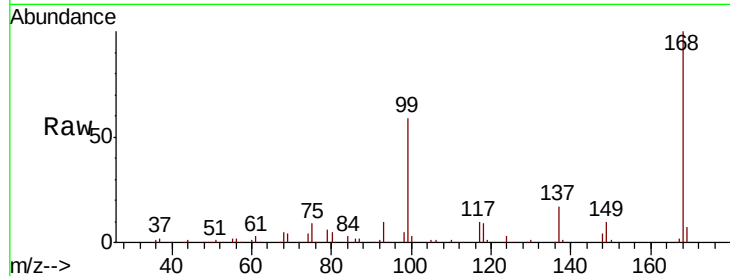
PB114473ZHE#13

Tot Ion:168 Resp: 191273

Ion Ratio Lower Upper

168 100

99 58.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

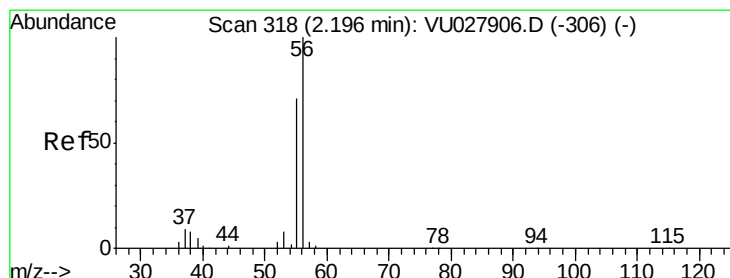
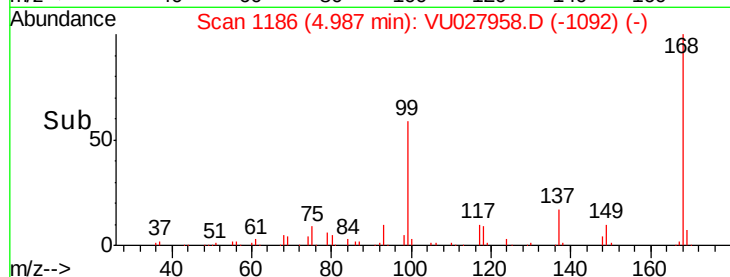
40000

20000

0

Time-->

4.90 5.00 5.10



#13

Acrolein

Concen: Below Cal

RT: 2.17 min Scan# 309

Delta R.T. -0.03 min

Lab File: VU027958.D

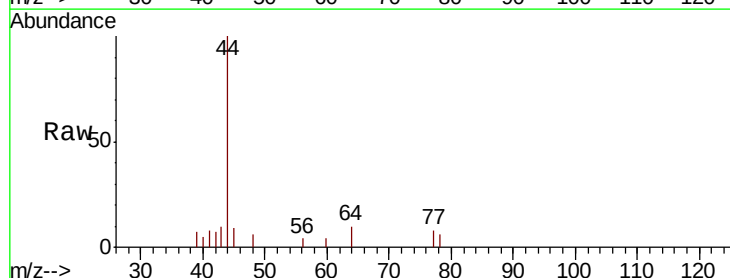
Acq: 05 Nov 2018 15:32

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 43.8 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.17

200

150

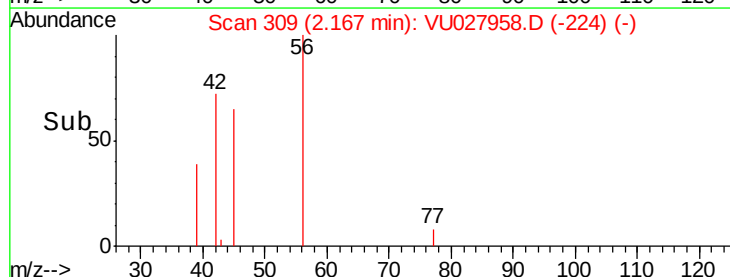
100

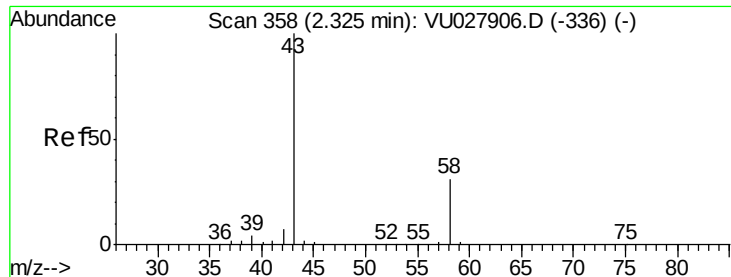
50

0

Time-->

2.16 2.17 2.18





#16

Acetone

Concen: 5.197 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

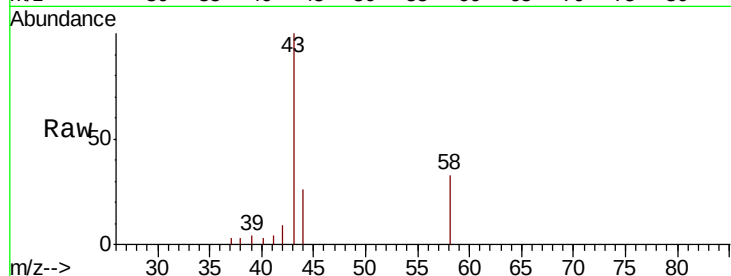
PB114473ZHE#13

Tot Ion: 43 Resp: 9170

Ion Ratio Lower Upper

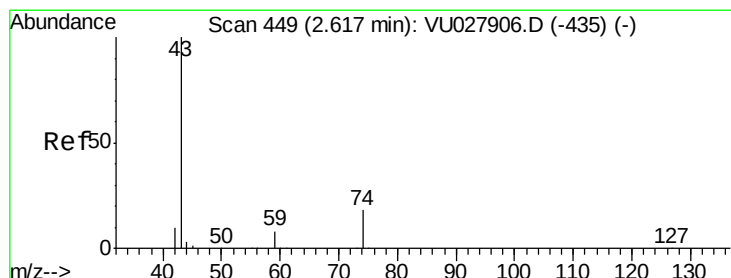
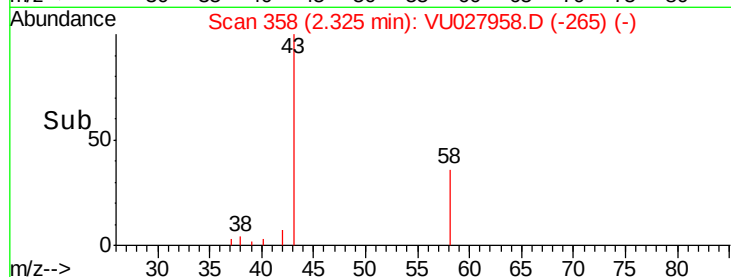
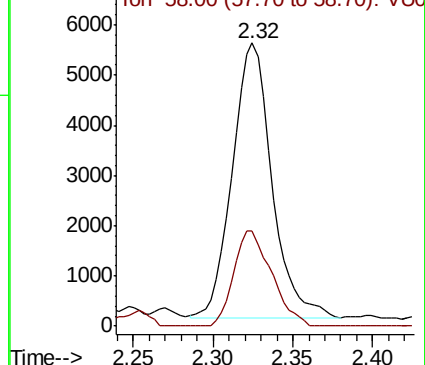
43 100

58 34.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.021 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027958.D

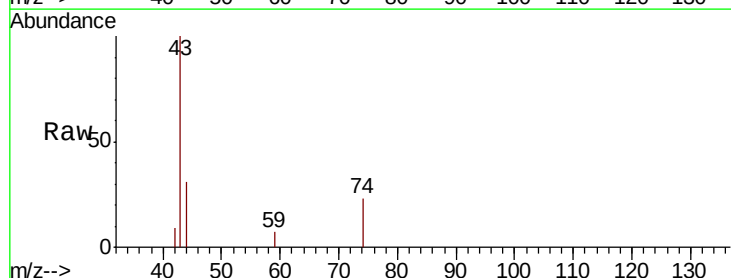
Acq: 05 Nov 2018 15:32

Tgt Ion: 43 Resp: 4957

Ion Ratio Lower Upper

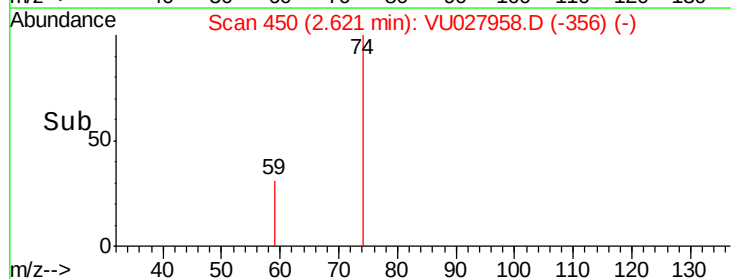
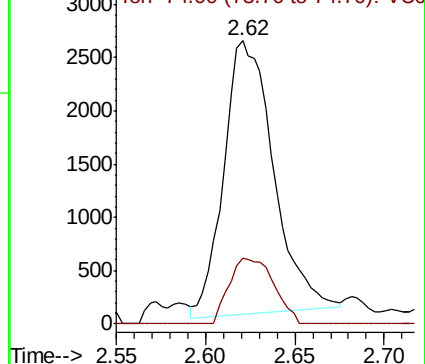
43 100

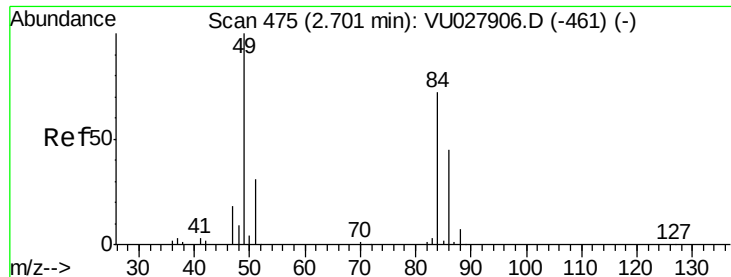
74 21.5 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

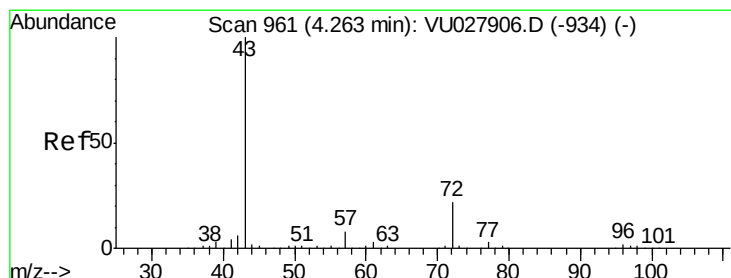
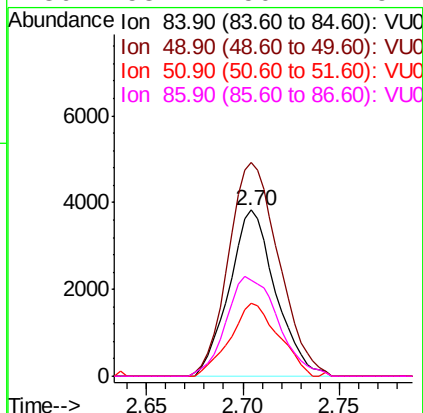
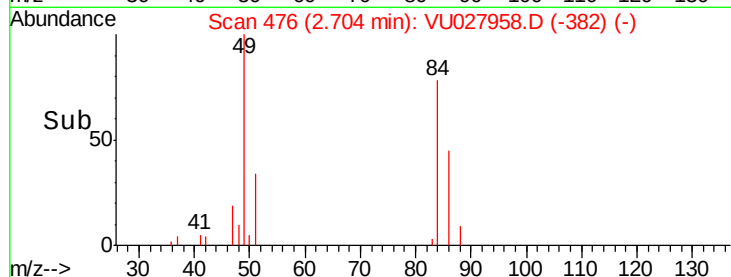
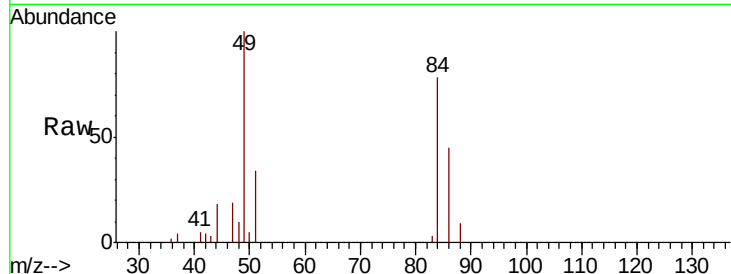




#20
Methylene Chloride
Concen: 2.472 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

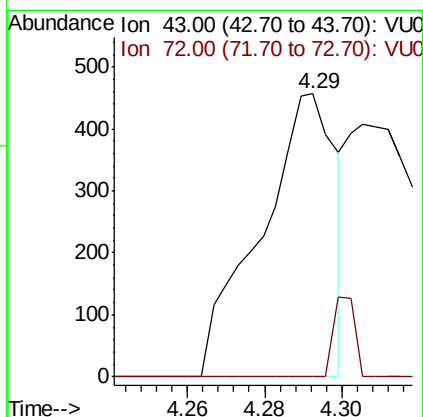
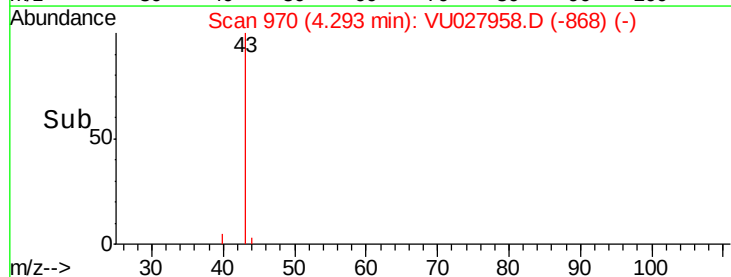
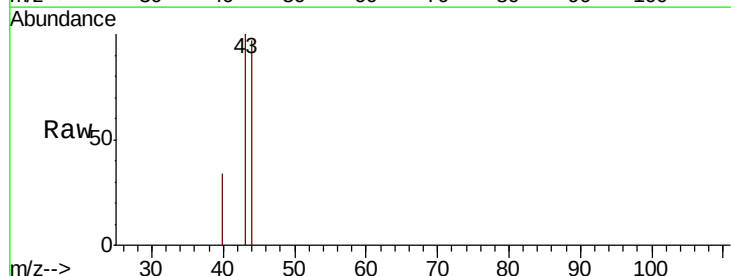
Instrument :
MSVOA_U
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PB114473ZHE#13

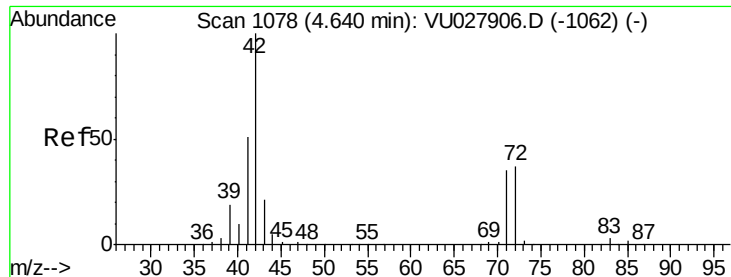
Tot Ion:	84	Resp:	6368
Ion	Ratio	Lower	Upper
84	100		
49	128.7	111.6	167.4
51	44.3	34.8	52.2
86	58.1	50.1	75.1



#25
2-Butanone
Concen: 0.219 ug/l
RT: 4.29 min Scan# 970
Delta R.T. 0.03 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Tgt Ion:	43	Resp:	614
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#13

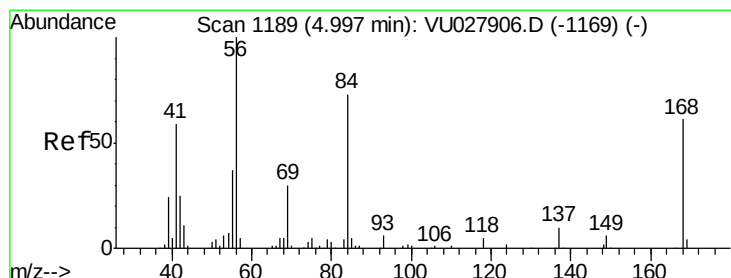
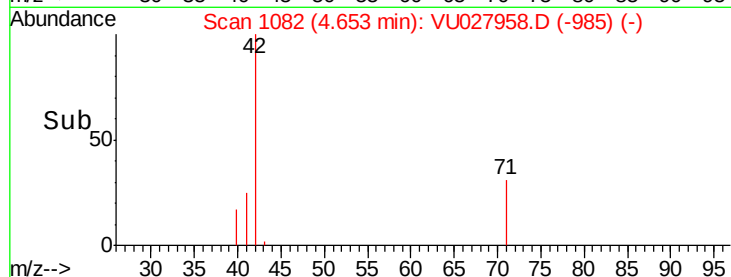
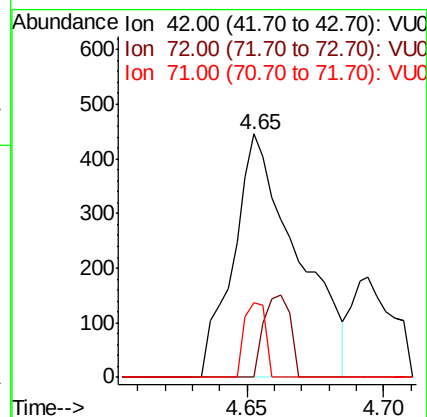
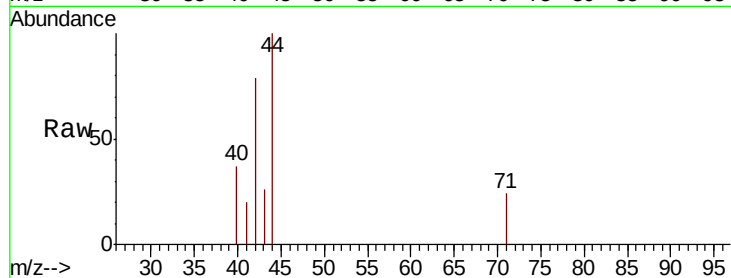
Tot Ion: 42 Resp: 724

Ion Ratio Lower Upper

42 100

72 13.7 29.4 44.0#

71 10.2 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

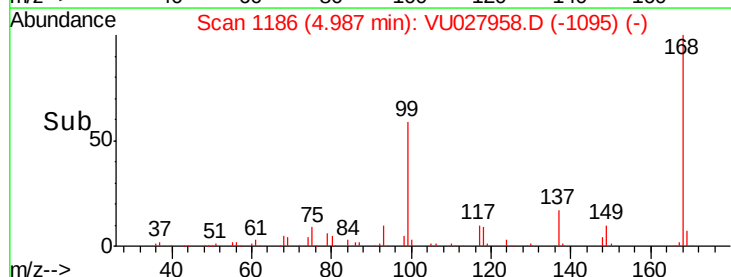
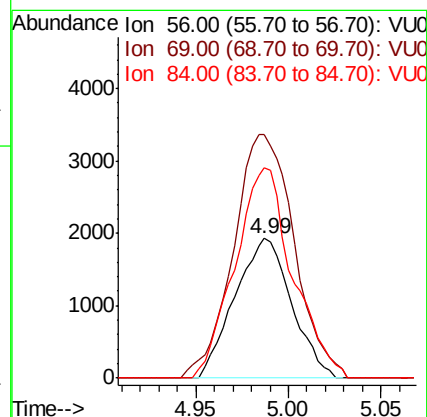
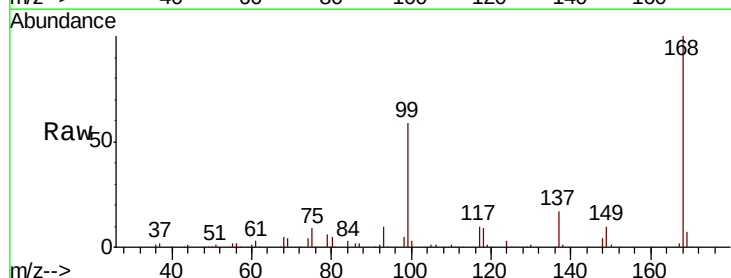
Tgt Ion: 56 Resp: 4101

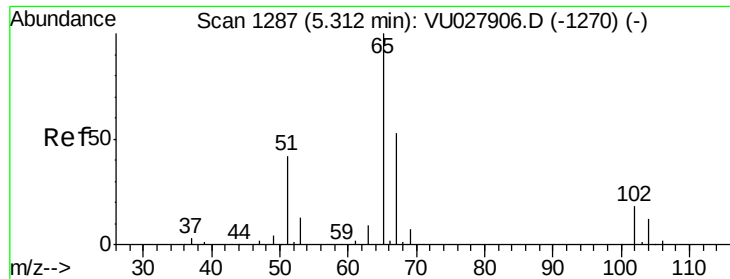
Ion Ratio Lower Upper

56 100

69 167.1 23.7 35.5#

84 150.5 58.2 87.4#

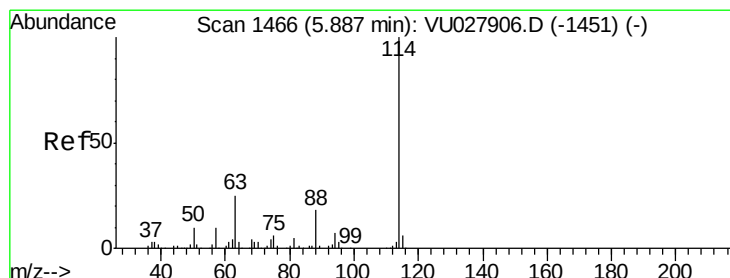
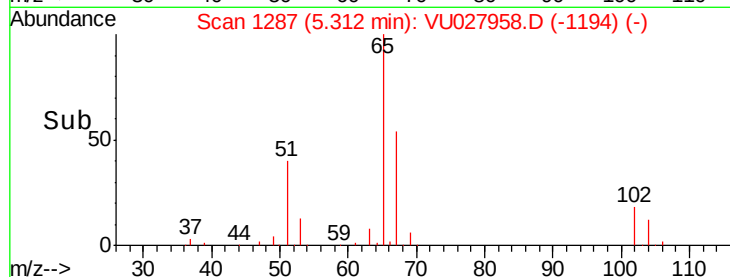
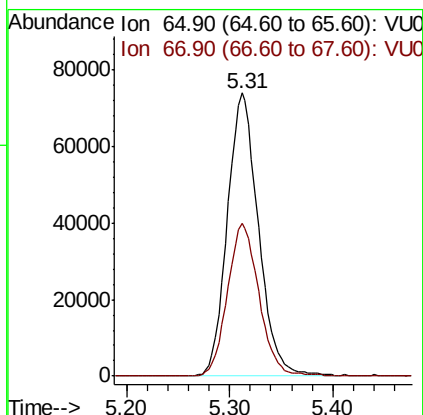
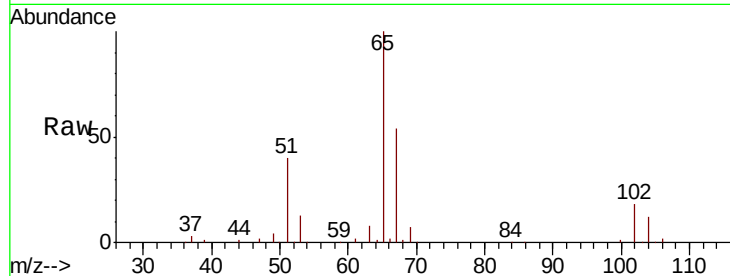




#33
 1,2-Dichloroethane-d4
 Concen: 54.741 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027958.D
 Acq: 05 Nov 2018 15:32

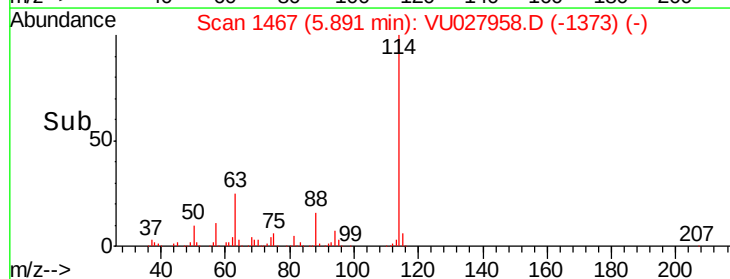
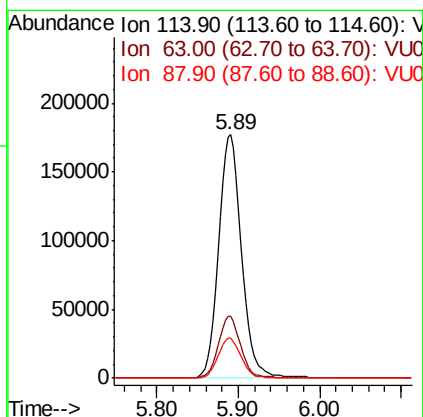
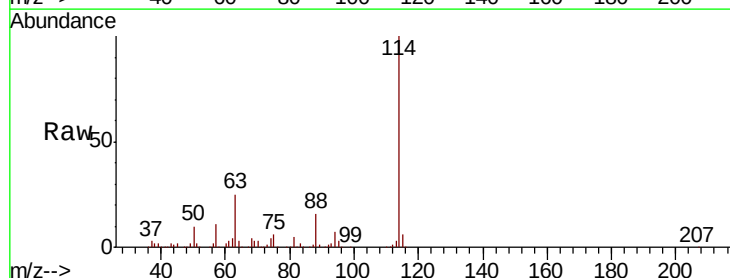
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 PB114473ZHE#13

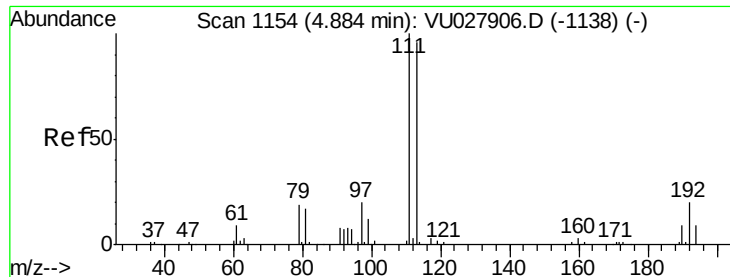
Tot Ion: 65 Resp: 155670
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027958.D
 Acq: 05 Nov 2018 15:32

Tgt Ion: 114 Resp: 352274
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.8
 88 16.4 0.0 35.8

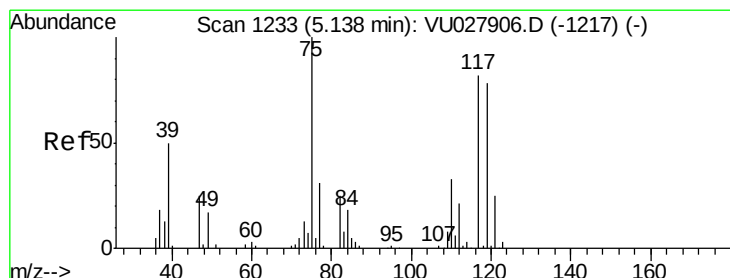
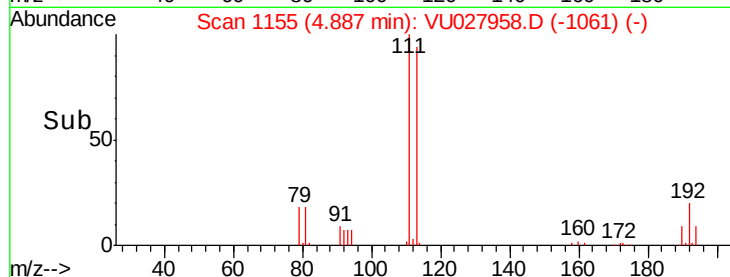
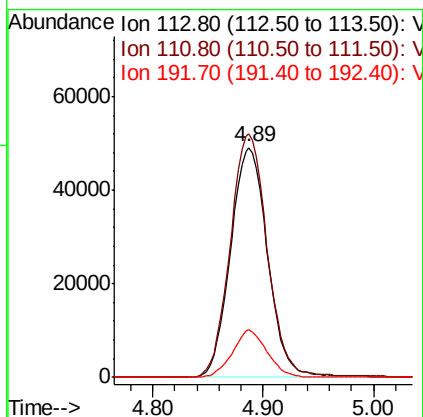
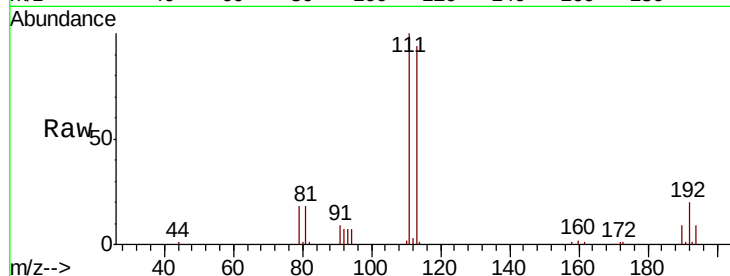




#35
 Dibromofluoromethane
 Concen: 51.344 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027958.D
 Acq: 05 Nov 2018 15:32

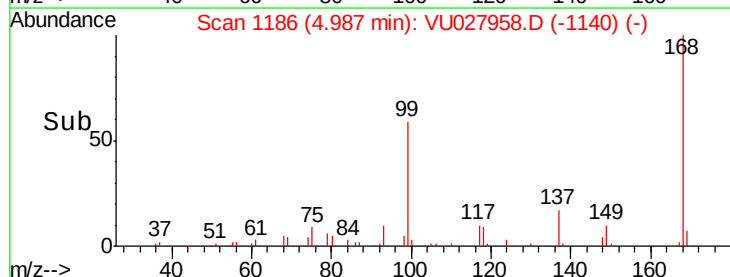
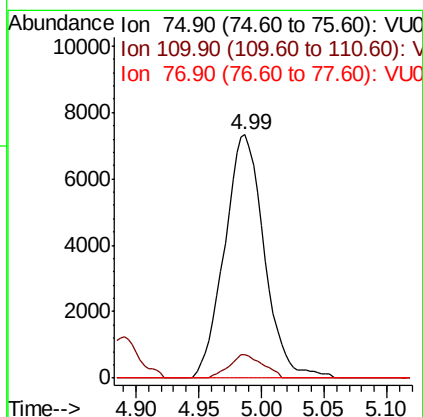
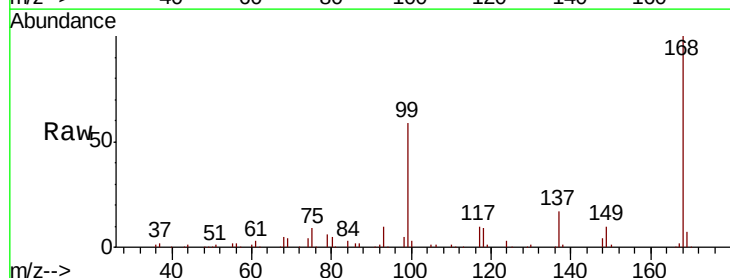
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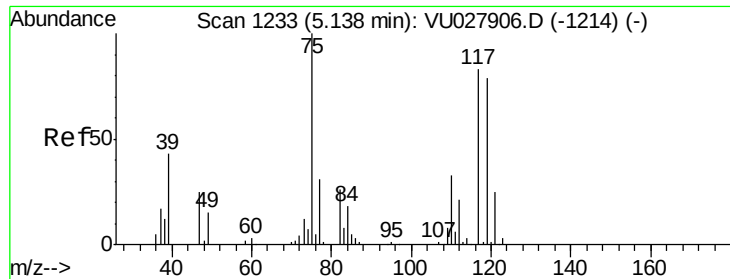
Tot Ion:113 Resp: 114042
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.0 124.6
 192 19.4 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.386 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027958.D
 Acq: 05 Nov 2018 15:32

Tgt Ion: 75 Resp: 16182
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.5 49.5#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.888 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#13

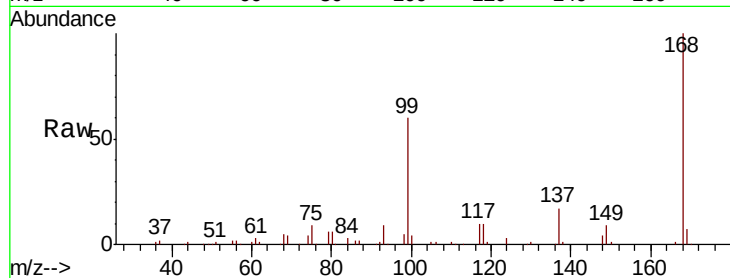
Tot Ion:117 Resp: 19251

Ion Ratio Lower Upper

117 100

119 5.8 76.0 114.0#

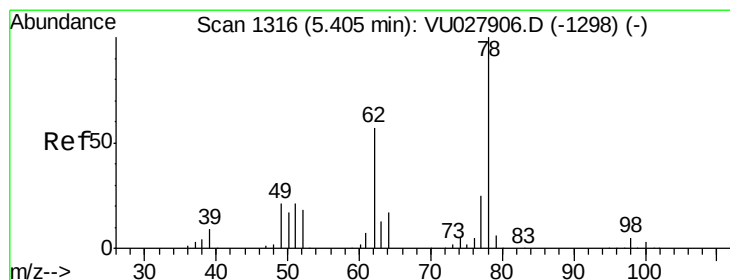
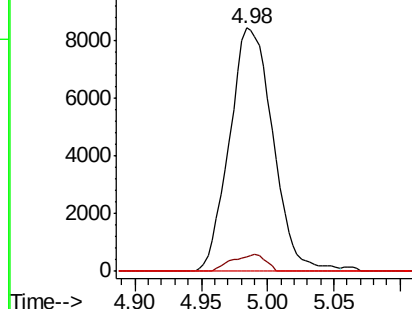
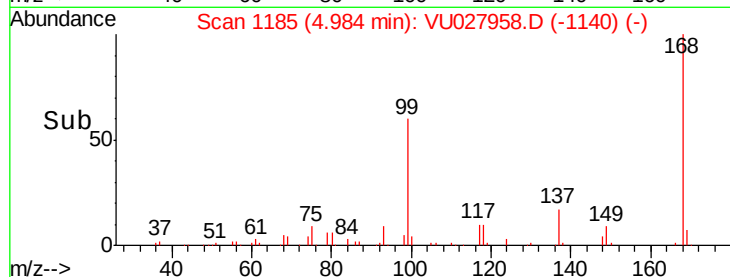
121 0.0 24.5 36.7#



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



#42

1,2-Dichloroethane

Concen: 0.236 ug/l

RT: 5.56 min Scan# 1364

Delta R.T. 0.15 min

Lab File: VU027958.D

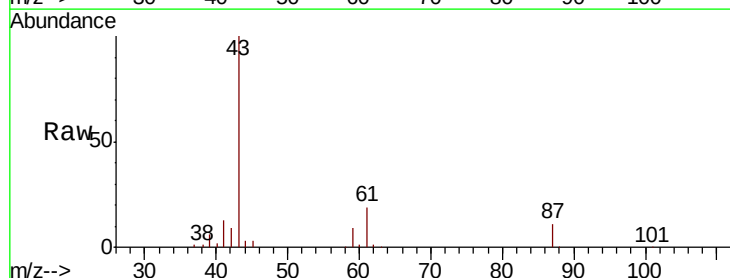
Acq: 05 Nov 2018 15:32

Tgt Ion: 62 Resp: 948

Ion Ratio Lower Upper

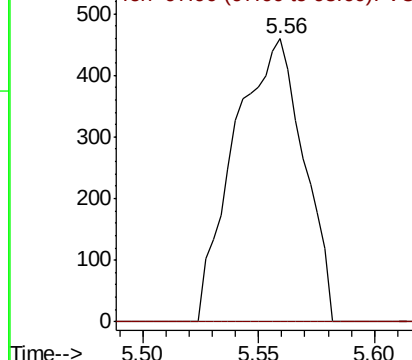
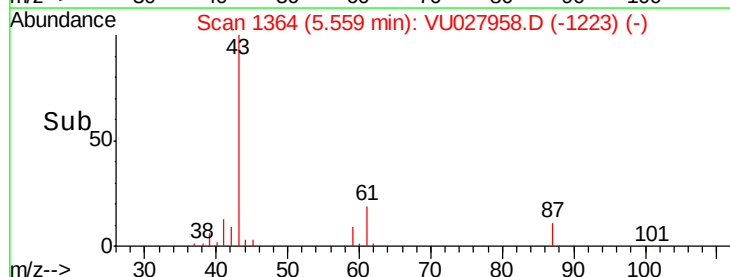
62 100

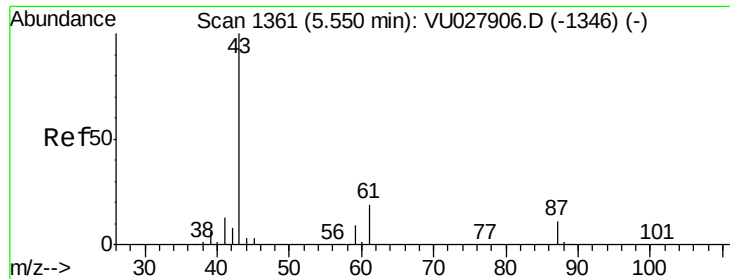
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 26.965 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

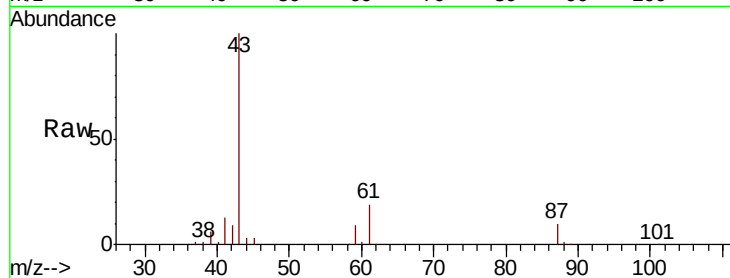
MSVOA_U

ClientSampleId :

PB114473ZHE#13

Tot Ion: 43 Resp: 228383

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.4
87	10.2	8.6	12.8

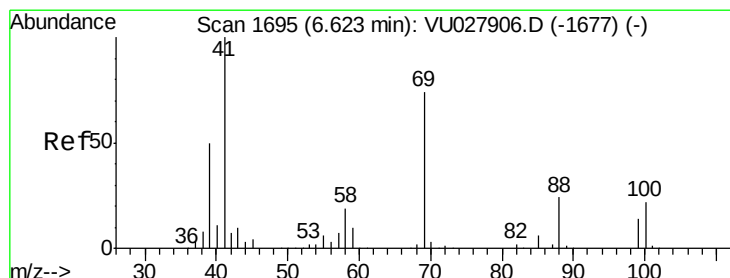
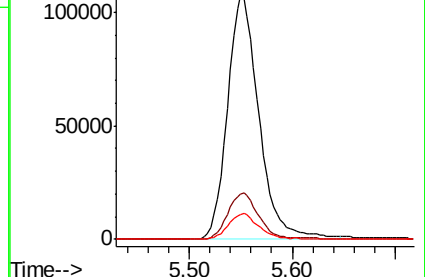
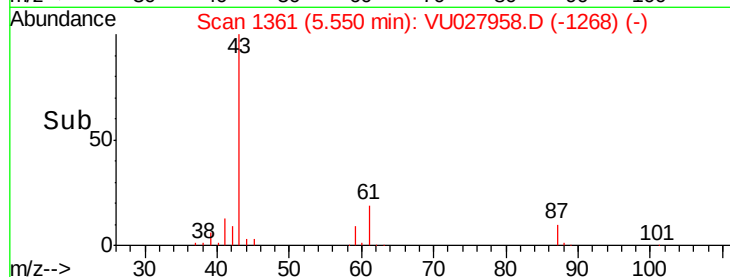


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 4.457 ug/l

RT: 6.71 min Scan# 1722

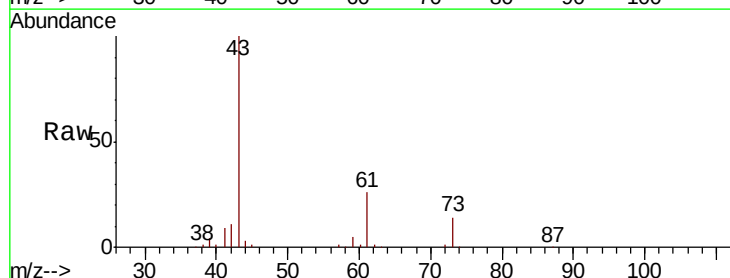
Delta R.T. 0.09 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Tgt Ion: 41 Resp: 18497

Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.8	89.8#
39	48.0	40.0	60.0

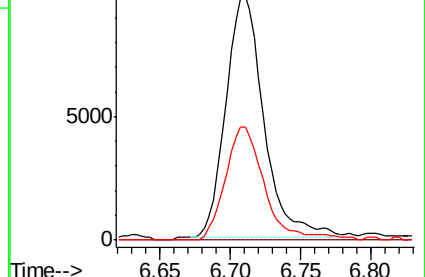
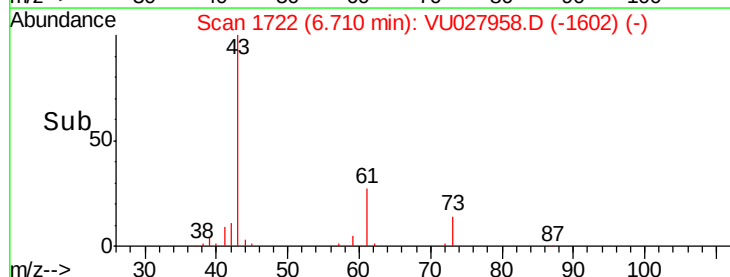


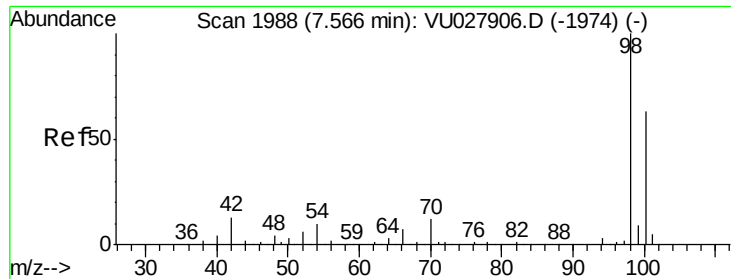
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

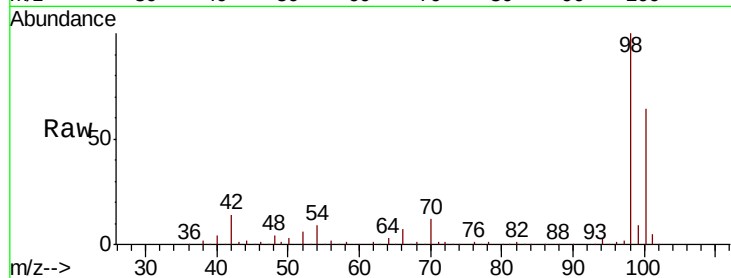




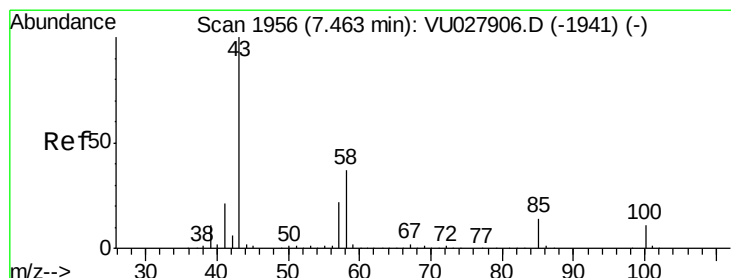
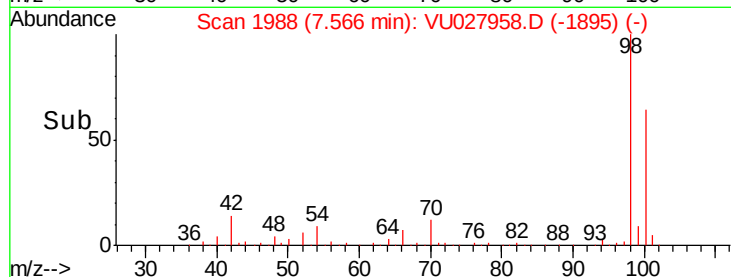
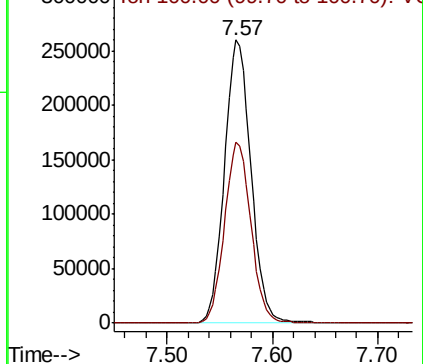
#50
Toluene-d8
Concen: 52.710 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#13

Tot Ion: 98 Resp: 452257
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1

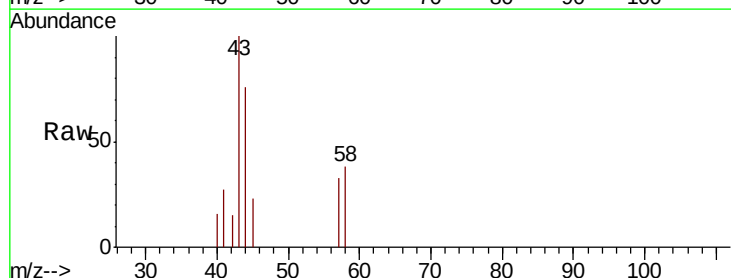


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

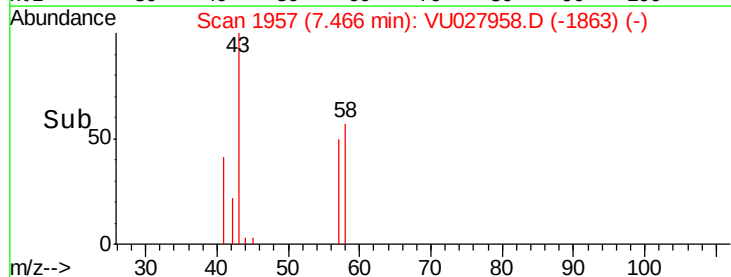
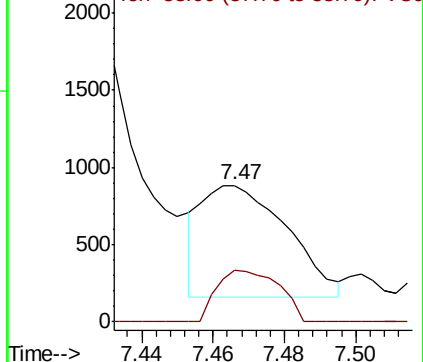


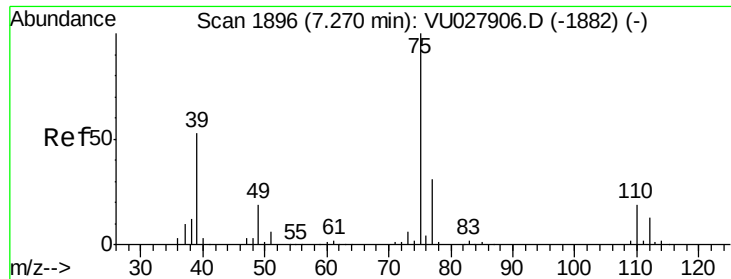
#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 33.6 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



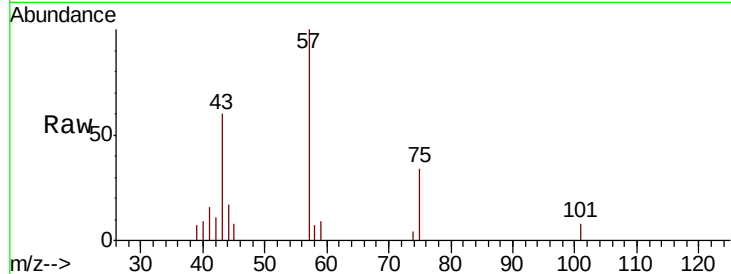


#54

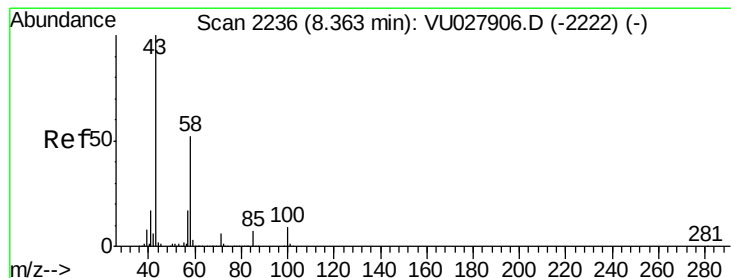
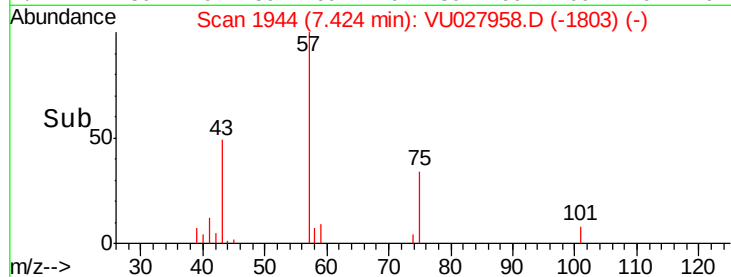
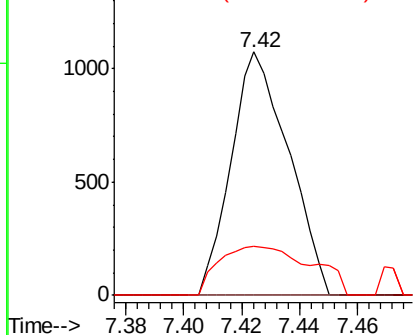
cis-1,3-Dichloropropene
Concen: 0.331 ug/l
RT: 7.42 min Scan# 1944
Delta R.T. 0.15 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#13

Tot Ion: 75 Resp: 1472
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 20.1 42.6 64.0#



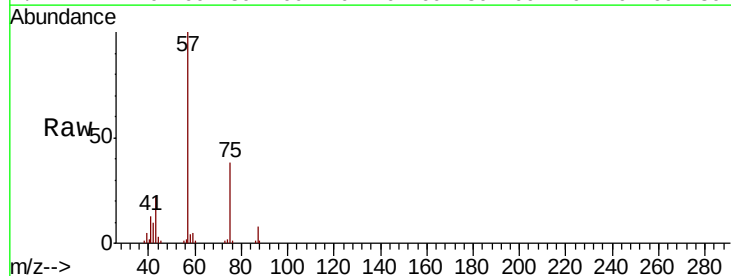
Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0



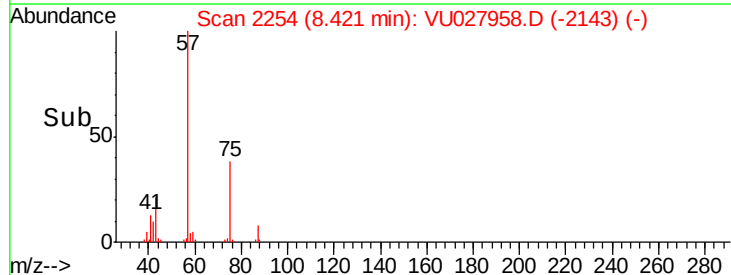
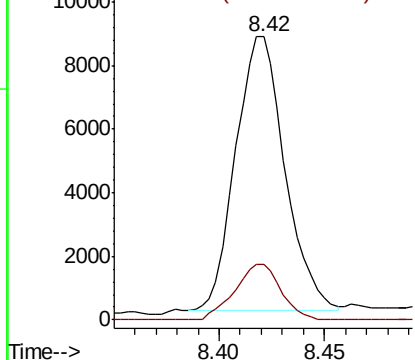
#59

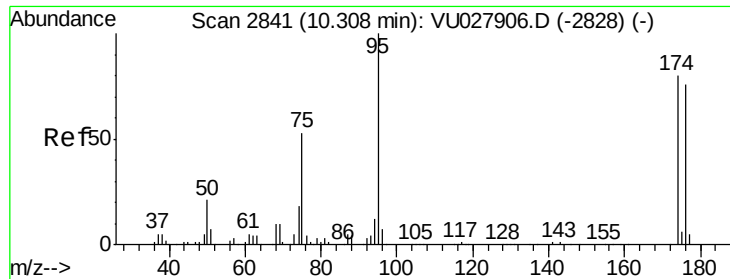
2-Hexanone
Concen: 3.209 ug/l
RT: 8.42 min Scan# 2254
Delta R.T. 0.06 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Tgt Ion: 43 Resp: 14038
Ion Ratio Lower Upper
43 100
58 18.8 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 49.014 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#13

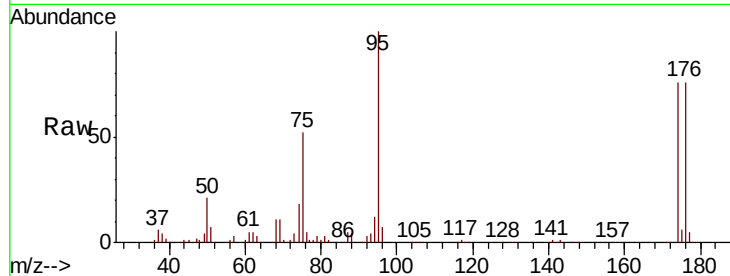
Tot Ion: 95 Resp: 155115

Ion Ratio Lower Upper

95 100

174 78.1 0.0 156.4

176 75.6 0.0 150.8

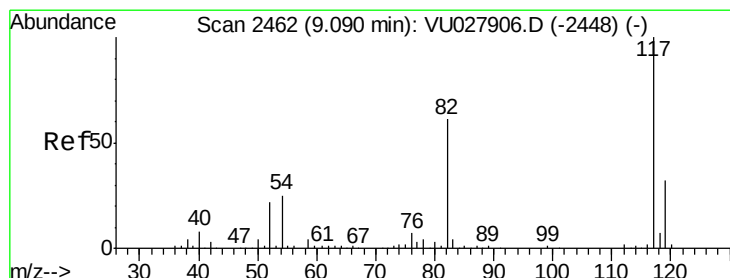
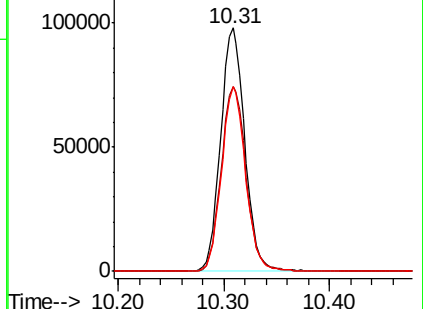
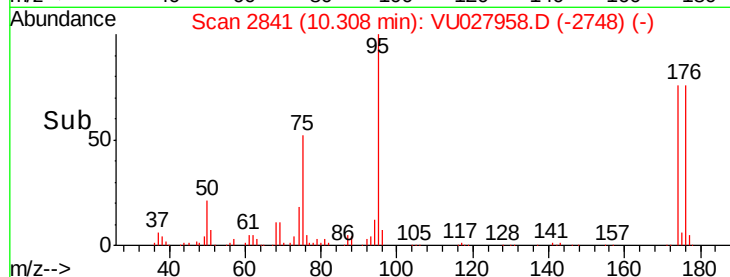


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

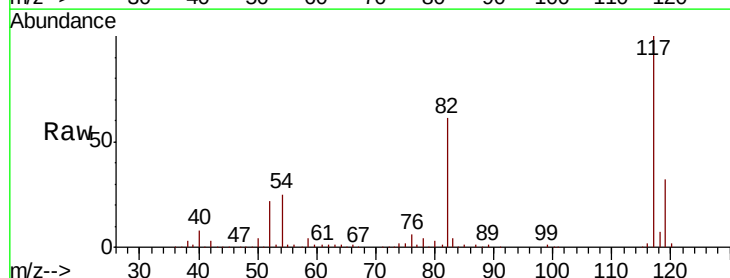
Tgt Ion: 117 Resp: 320185

Ion Ratio Lower Upper

117 100

82 61.2 48.6 73.0

119 31.7 25.8 38.8

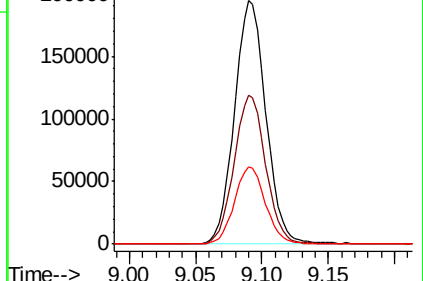
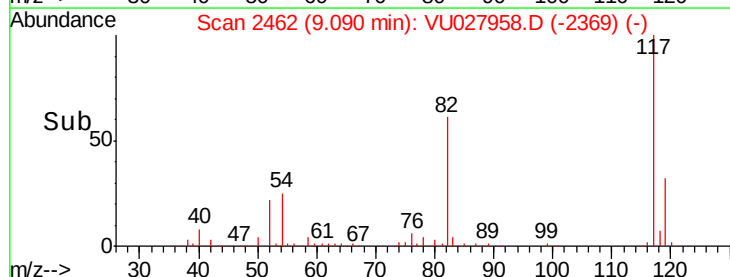


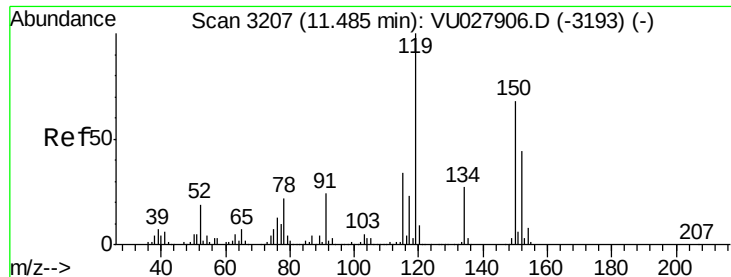
Abundance Ion 116.90 (116.60 to 117.60): VU027906.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU027906.D (-2448) (-)

Time--> 9.00 9.05 9.10 9.15



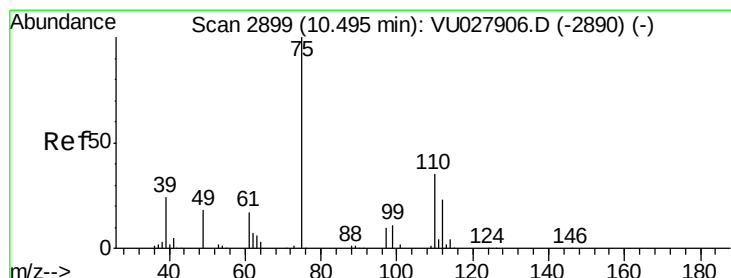
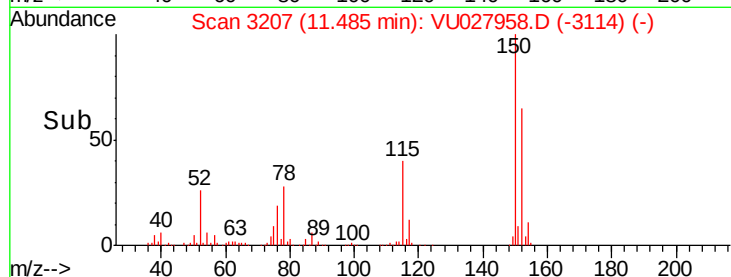
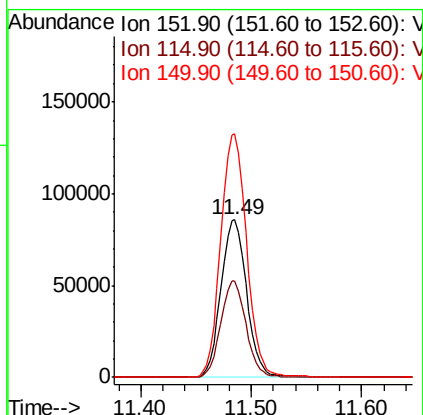
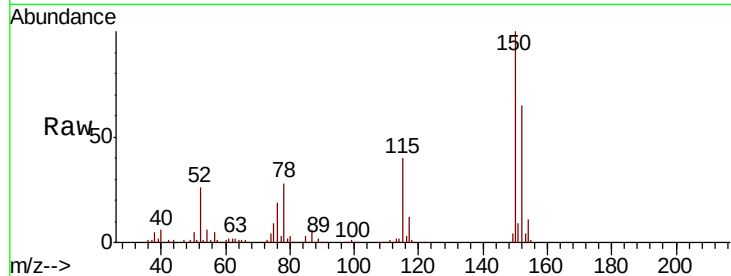


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#13

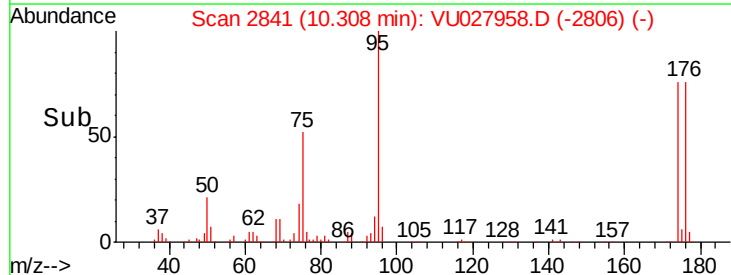
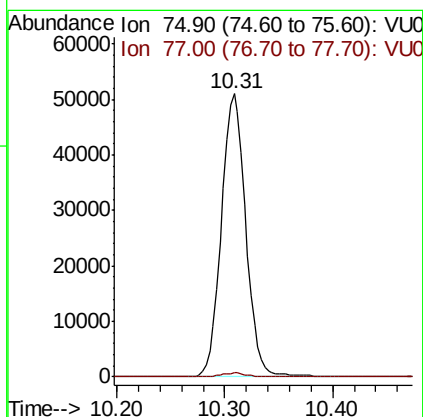
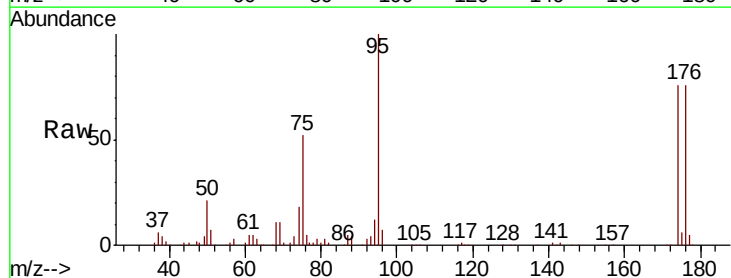
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	43.0	129.0
150	155.4	0.0	349.4

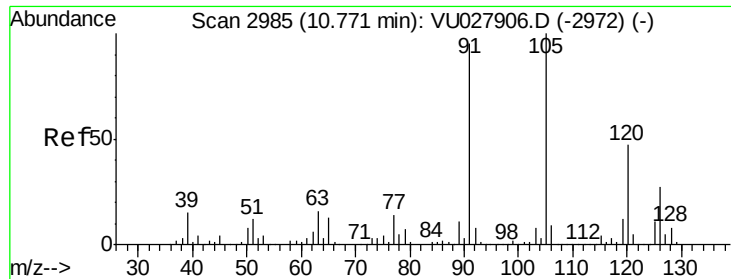


#76

1,2,3-Trichloropropane
Concen: 21.101 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027958.D
Acq: 05 Nov 2018 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.6	64.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.235 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

Instrument :

MSVOA_U

ClientSampleId :

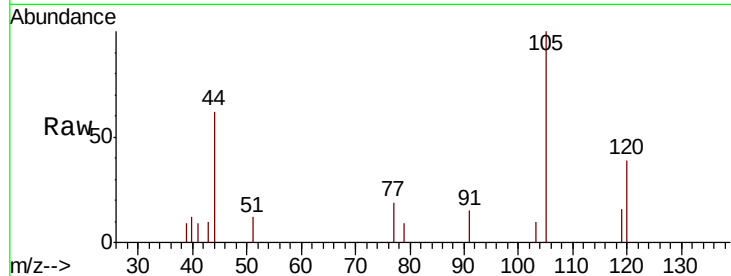
PB114473ZHE#13

Tot Ion:105 Resp: 2102

Ion Ratio Lower Upper

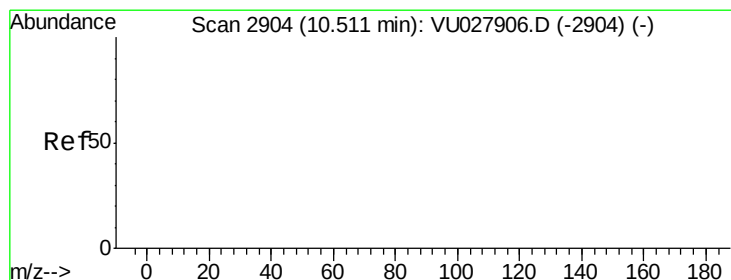
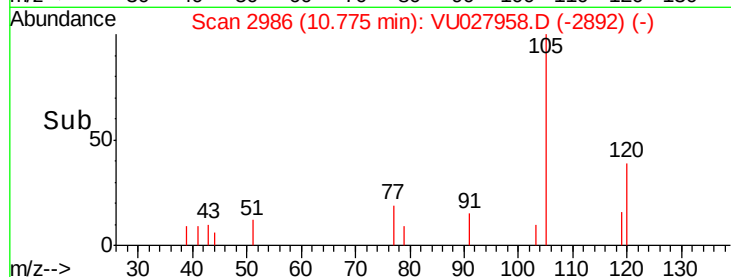
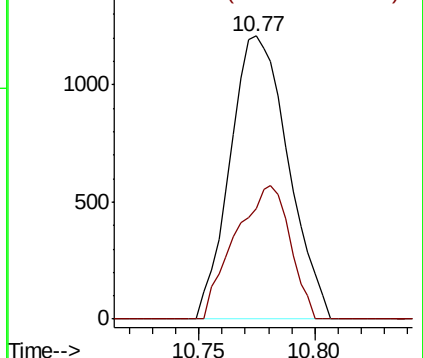
105 100

120 44.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 52.670 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027958.D

Acq: 05 Nov 2018 15:32

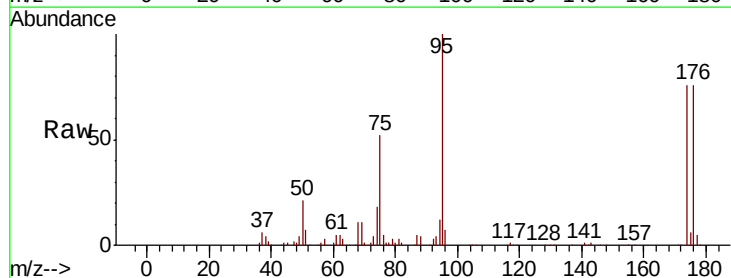
Tgt Ion: 75 Resp: 80389

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

