

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027950.D
 Acq On : 05 Nov 2018 12:26
 Operator : MD/SY
 Sample : PB114473ZHE#05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#05

Quant Time: Nov 06 03:22:53 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	197516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	360507	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	325298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	141467	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	158280	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
35) Dibromofluoromethane	4.89	113	116899	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	7.57	98	461399	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	10.31	95	160301	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

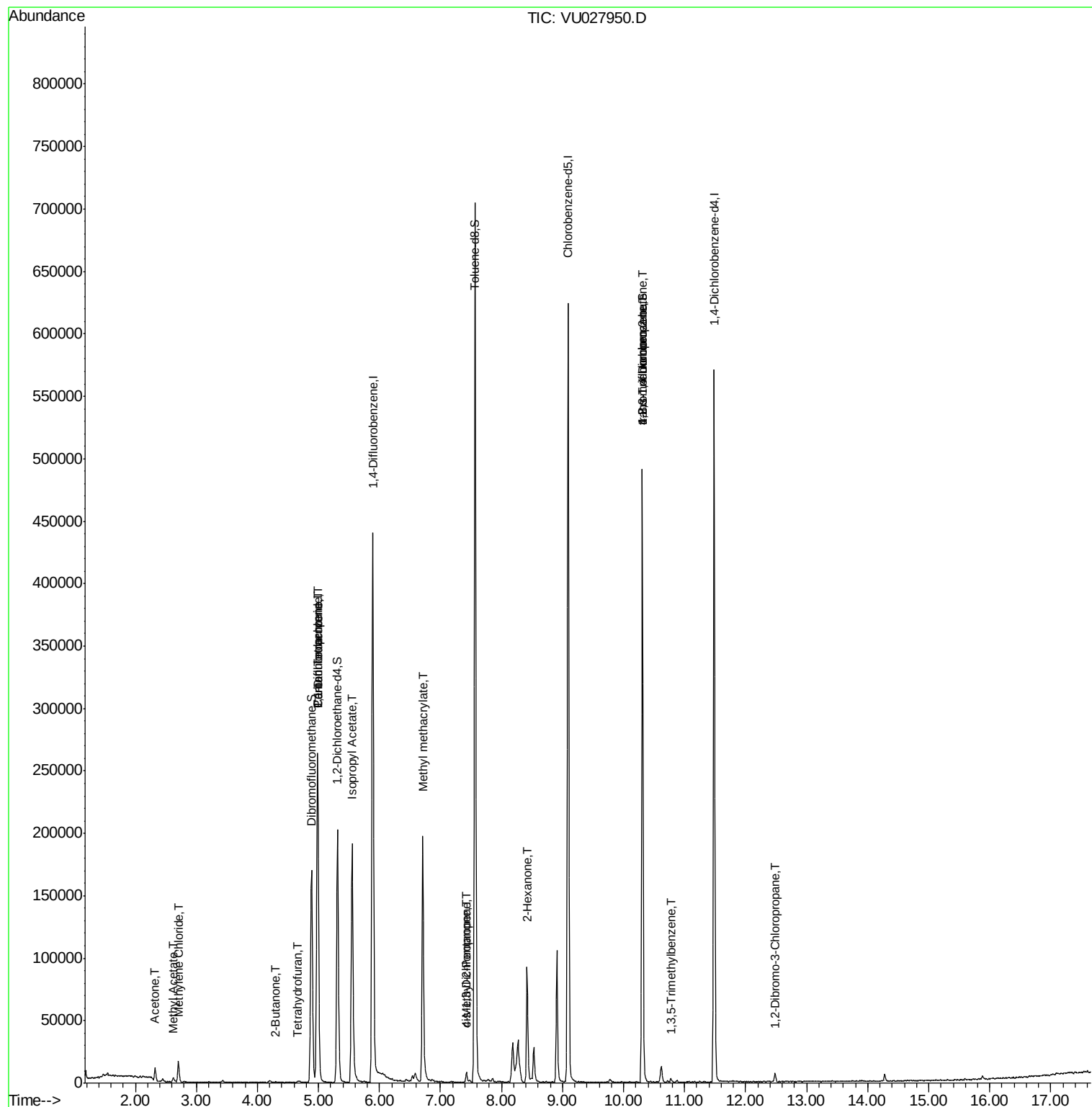
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.22	56	69	Below Cal	#	76
16) Acetone	2.32	43	10612	5.825	ug/l	99
18) Methyl Acetate	2.62	43	5118	1.021	ug/l #	87
20) Methylene Chloride	2.70	84	6987	2.627	ug/l	98
25) 2-Butanone	4.30	43	841	0.290	ug/l #	54
29) Tetrahydrofuran	4.66	42	514	0.266	ug/l #	55
31) Cyclohexane	4.98	56	4860	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17085	4.525	ug/l #	49
38) Carbon Tetrachloride	4.99	117	19911	5.951	ug/l #	16
43) Isopropyl Acetate	5.55	43	233960	26.993	ug/l	99
48) Methyl methacrylate	6.71	41	19132	4.504	ug/l #	45
51) 4-Methyl-2-Pentanone	7.43	43	2908	0.502	ug/l #	38
54) cis-1,3-Dichloropropene	7.42	75	1438	0.316	ug/l #	57
59) 2-Hexanone	8.42	43	13975	3.122	ug/l #	54
76) 1,2,3-Trichloropropane	10.31	75	81737	21.123	ug/l #	34
80) 1,3,5-Trimethylbenzene	10.77	105	1987	0.219	ug/l	92
81) trans-1,4-Dichloro-2-buten	10.31	75	81737	52.726	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	212	0.228	ug/l #	4
95) Naphthalene	13.78	128	63	Below Cal	#	69

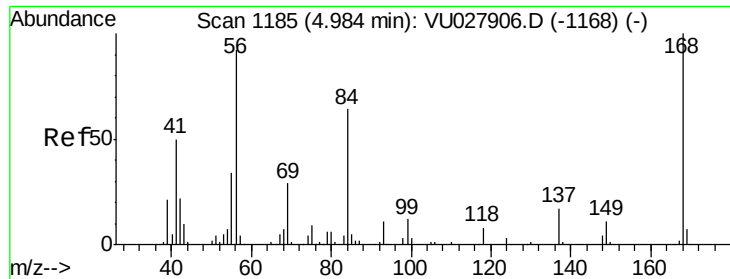
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

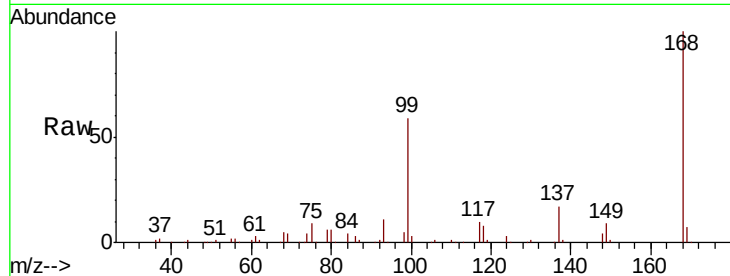
PB114473ZHE#05

Tot Ion:168 Resp: 197516

Ion Ratio Lower Upper

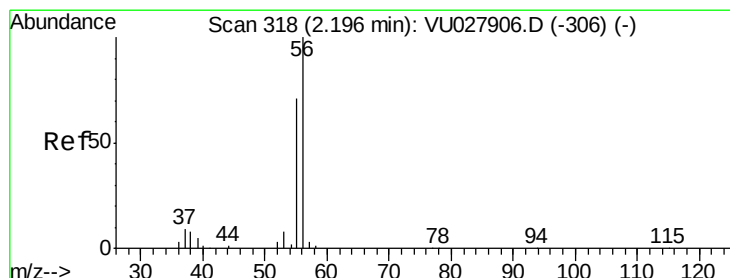
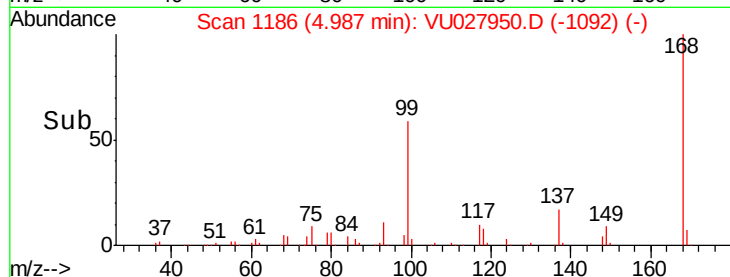
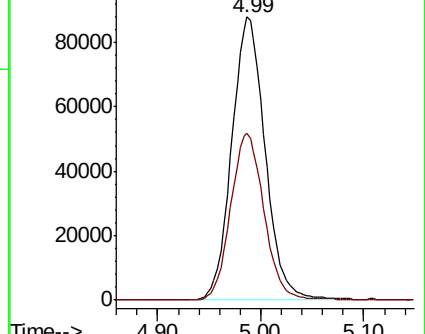
168 100

99 58.9 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) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.22 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU027950.D

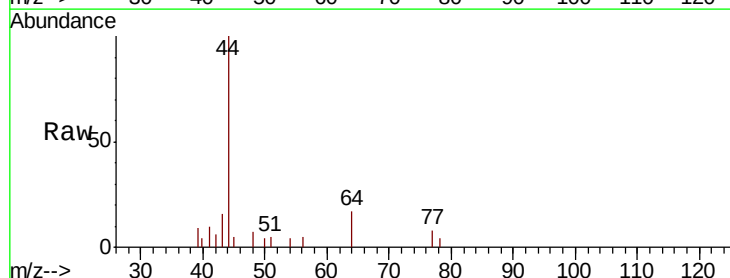
Acq: 05 Nov 2018 12:26

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

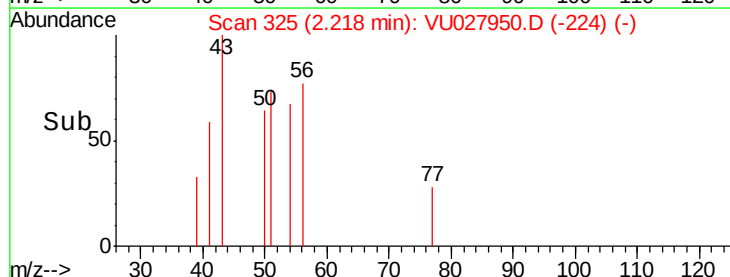
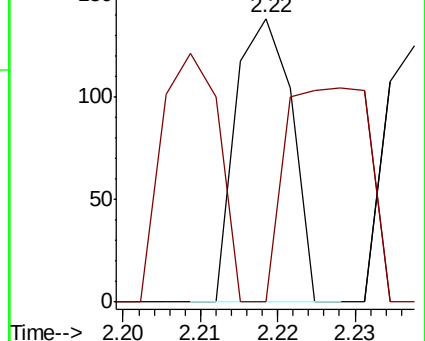
56 100

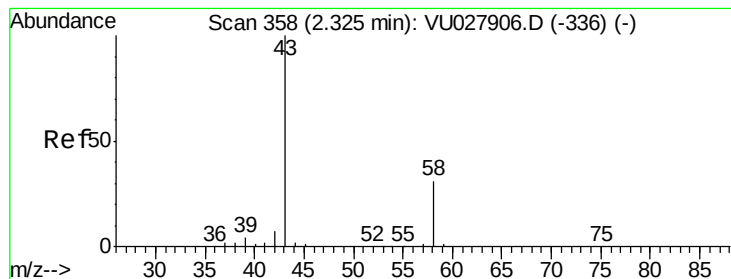
55 89.9 56.2 84.4#



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

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





#16

Acetone

Concen: 5.825 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

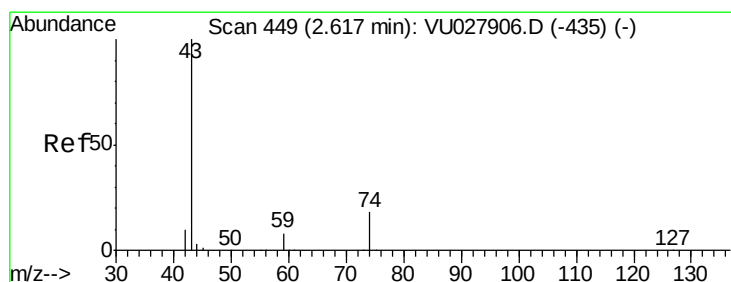
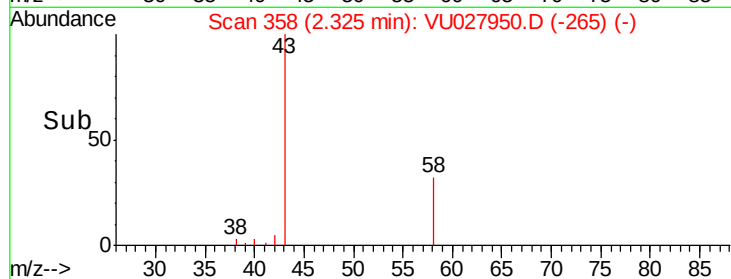
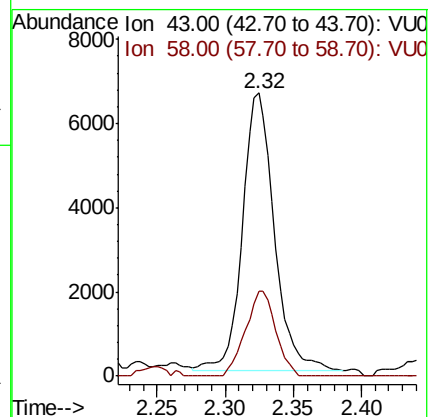
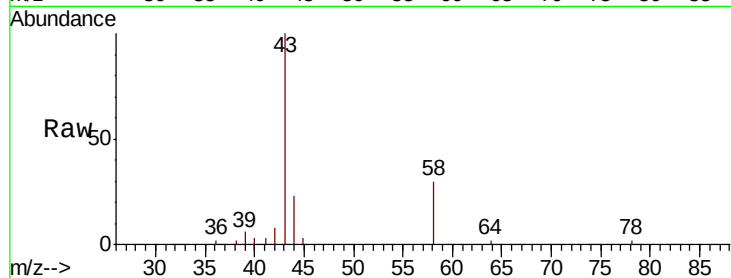
PB114473ZHE#05

Tot Ion: 43 Resp: 10612

Ion Ratio Lower Upper

43 100

58 30.5 24.6 37.0



#18

Methyl Acetate

Concen: 1.021 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027950.D

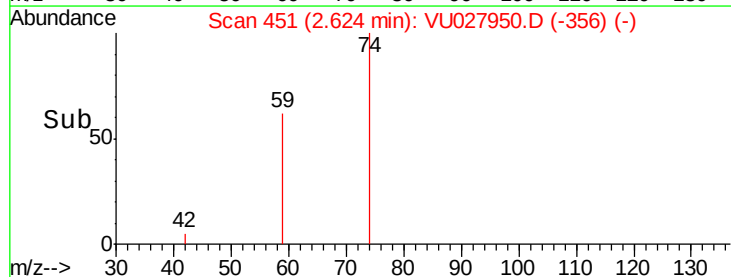
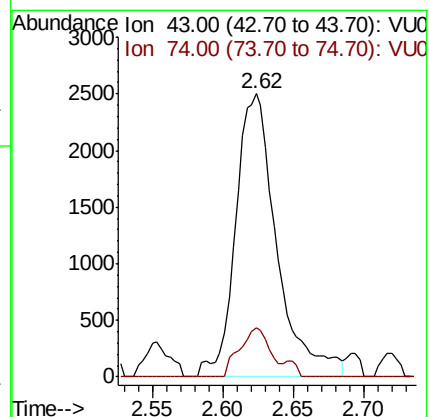
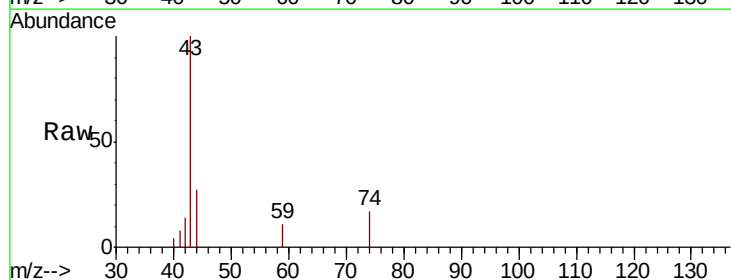
Acq: 05 Nov 2018 12:26

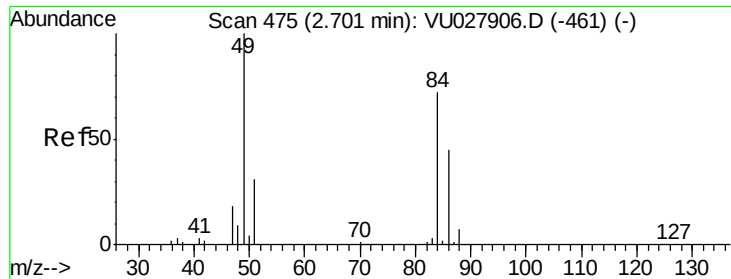
Tgt Ion: 43 Resp: 5118

Ion Ratio Lower Upper

43 100

74 13.0 14.9 22.3#

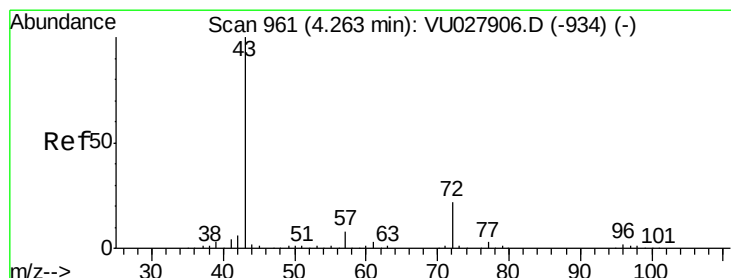
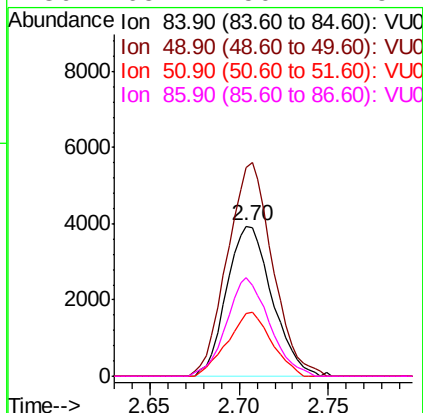
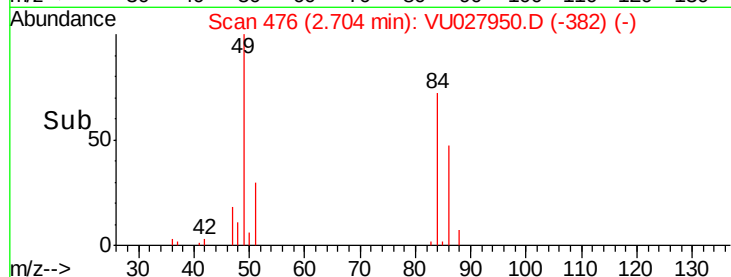
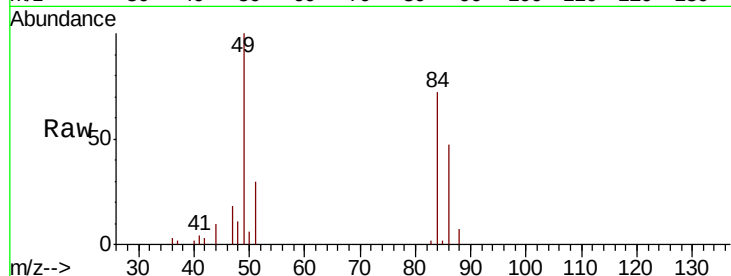




#20
Methylene Chloride
Concen: 2.627 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

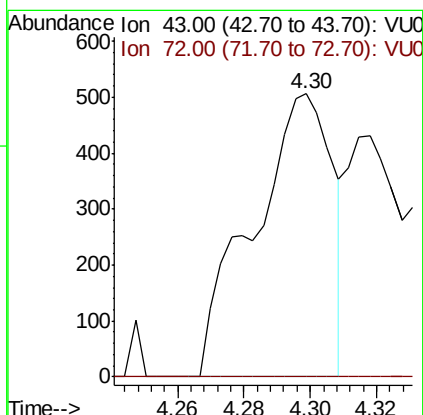
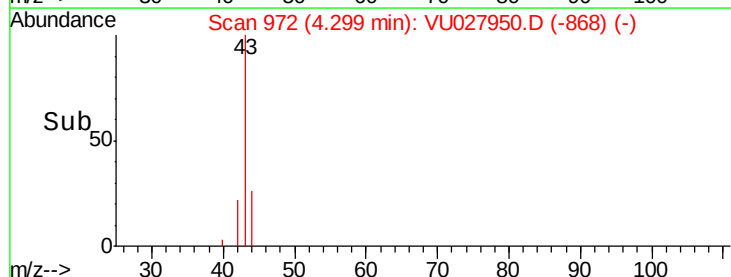
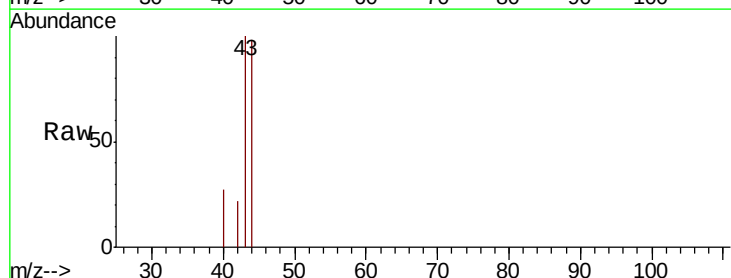
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#05

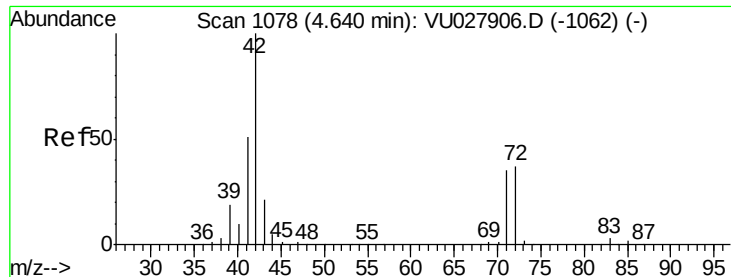
Tot Ion:	84	Resp:	6987
Ion	Ratio	Lower	Upper
84	100		
49	138.9	111.6	167.4
51	41.7	34.8	52.2
86	65.2	50.1	75.1



#25
2-Butanone
Concen: 0.290 ug/l
RT: 4.30 min Scan# 972
Delta R.T. 0.04 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Tgt Ion:	43	Resp:	841
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#05

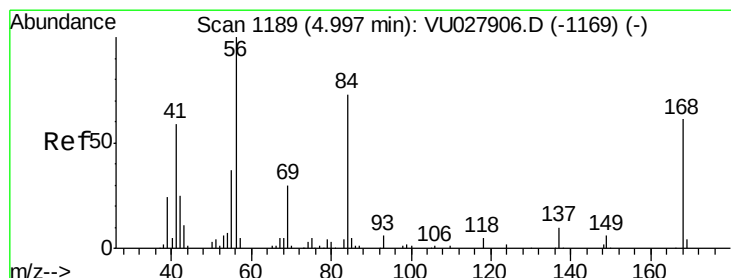
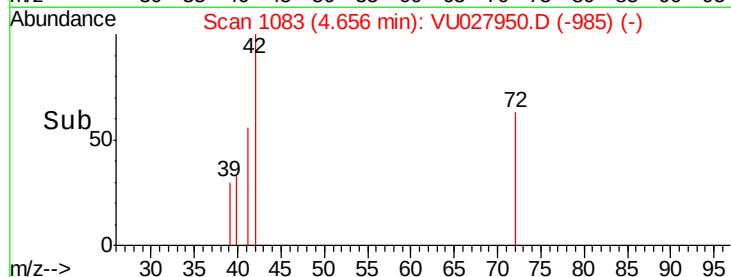
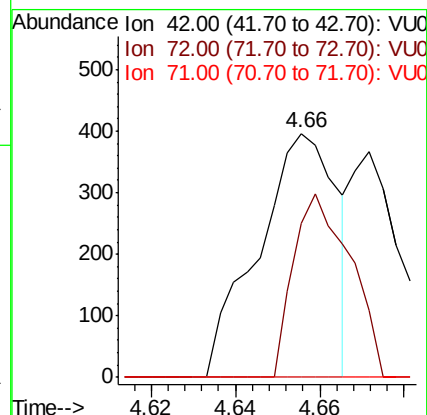
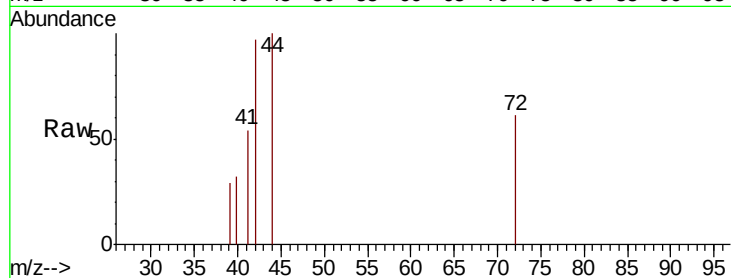
Tot Ion: 42 Resp: 514

Ion Ratio Lower Upper

42 100

72 54.3 29.4 44.0#

71 0.0 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

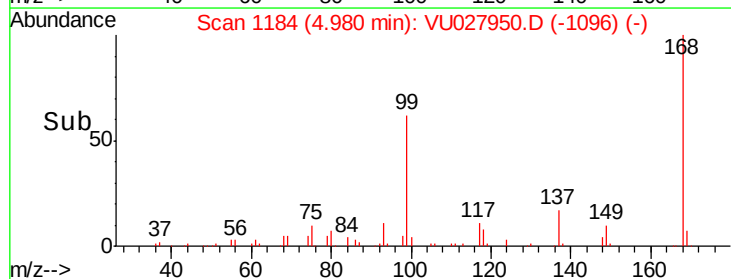
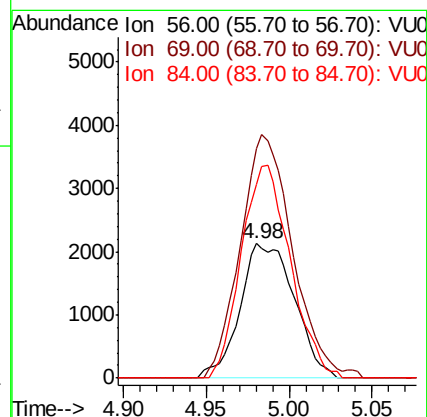
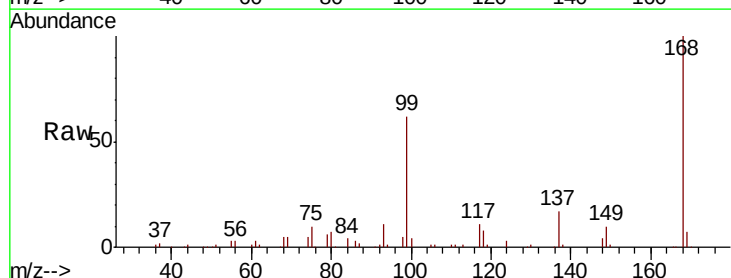
Tgt Ion: 56 Resp: 4860

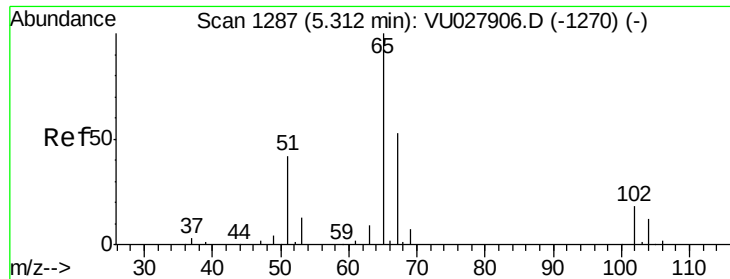
Ion Ratio Lower Upper

56 100

69 170.7 23.7 35.5#

84 143.8 58.2 87.4#

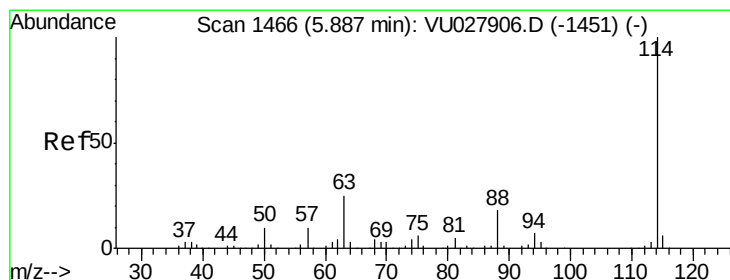
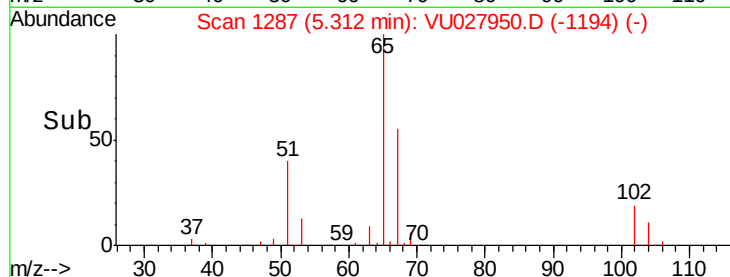
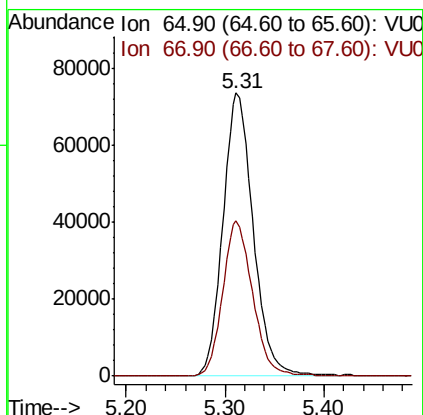
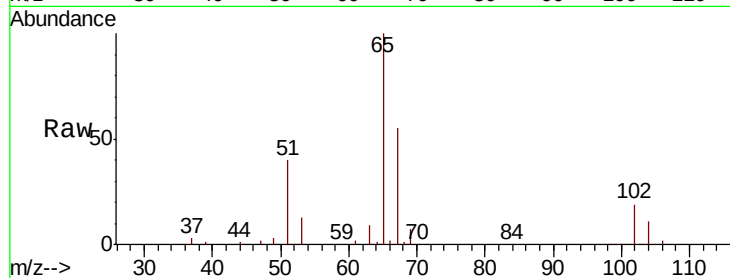




#33
 1,2-Dichloroethane-d4
 Concen: 53.900 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027950.D
 Acq: 05 Nov 2018 12:26

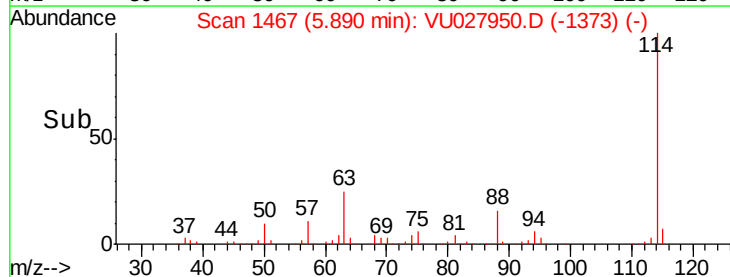
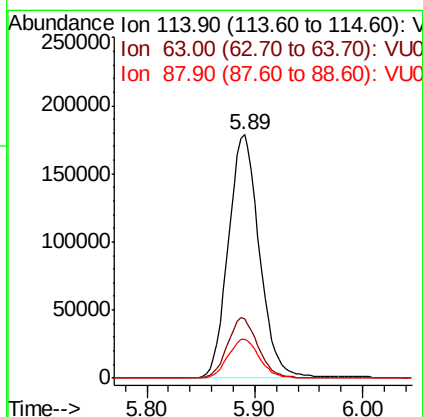
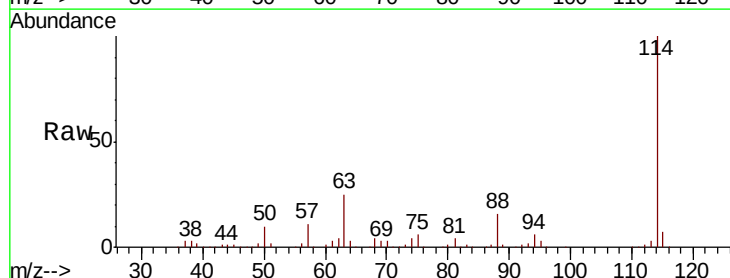
Instrument :
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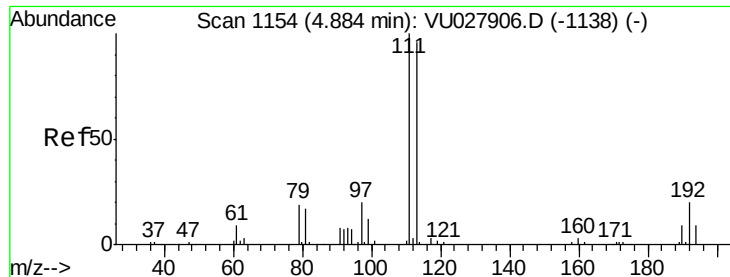
Tot Ion: 65 Resp: 158280
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027950.D
 Acq: 05 Nov 2018 12:26

Tgt Ion: 114 Resp: 360507
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 15.9 0.0 35.8

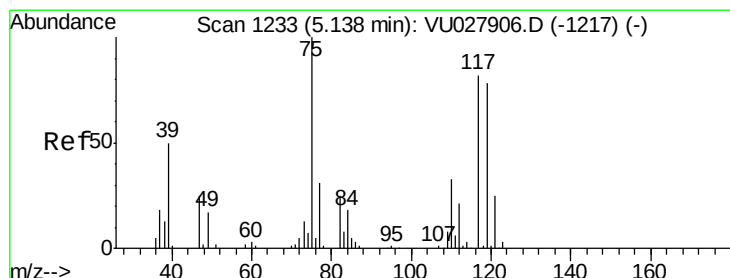
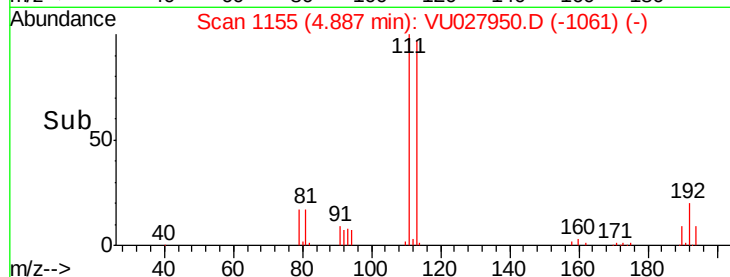
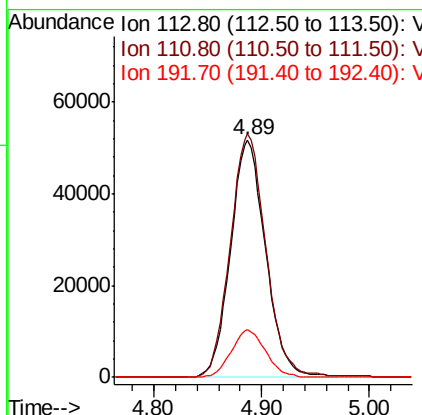
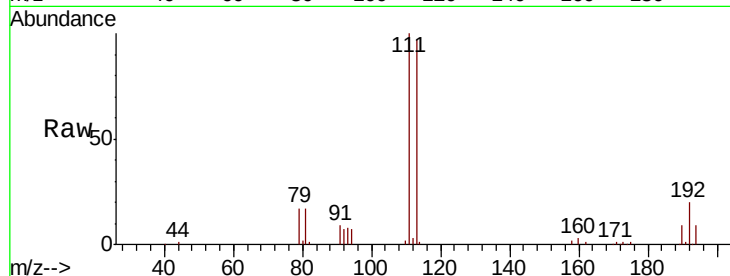




#35
 Dibromofluoromethane
 Concen: 51.428 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027950.D
 Acq: 05 Nov 2018 12:26

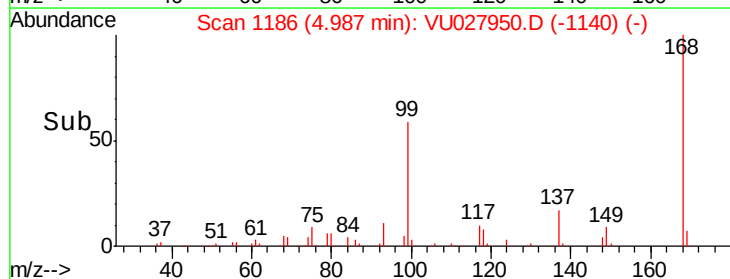
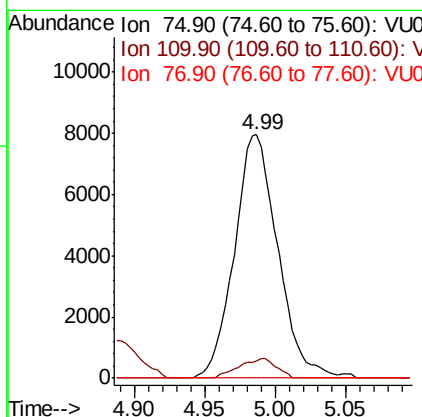
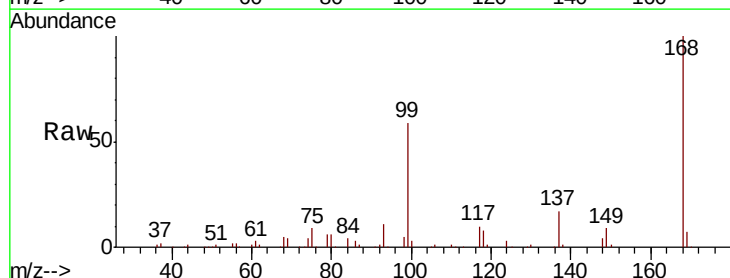
Instrument :
 MSVOA_U
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 PB114473ZHE#05

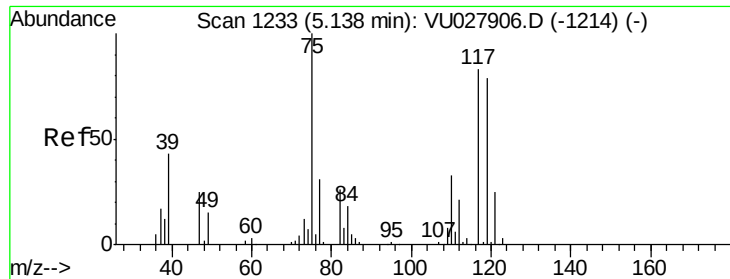
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.0	124.6
192	19.7	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.525 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027950.D
 Acq: 05 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.5	49.5#
77	0.0	24.9	37.3#

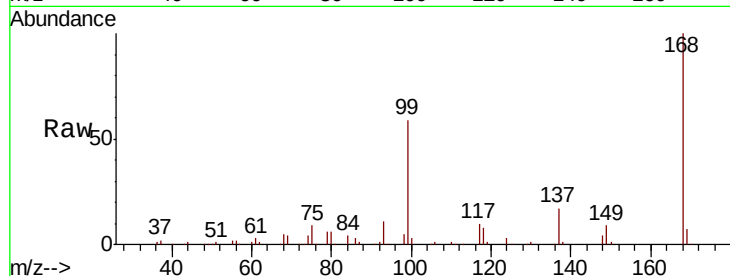




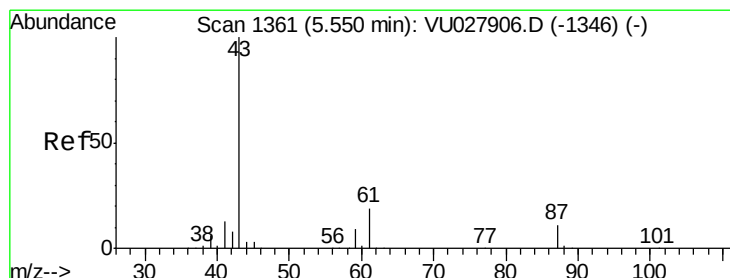
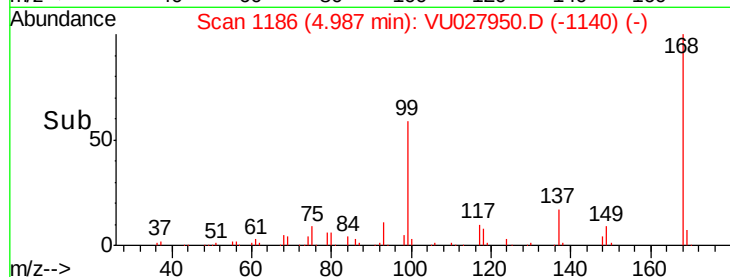
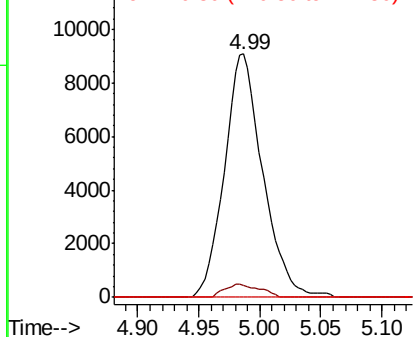
#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#05

Tot Ion:117 Resp: 19911
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.5 36.7#

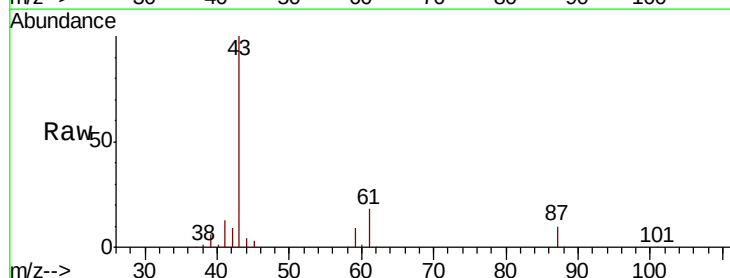


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

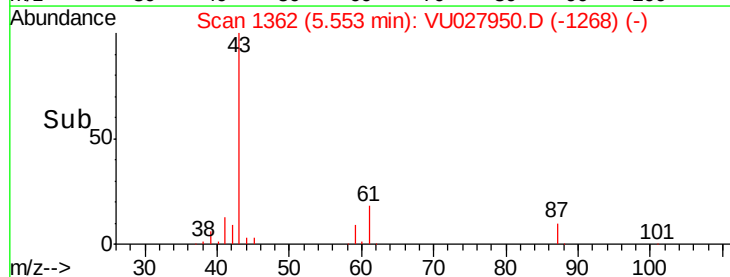
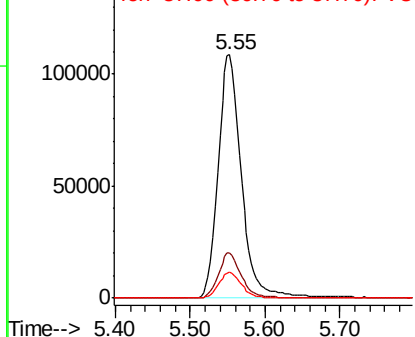


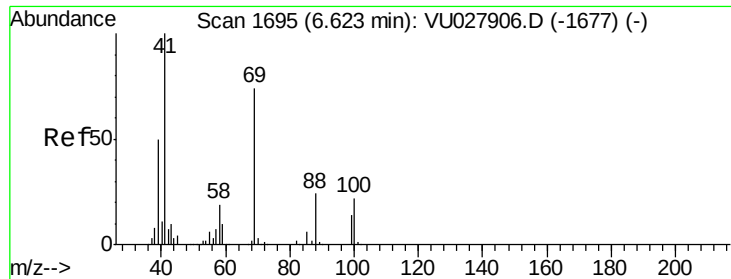
#43
Isopropyl Acetate
Concen: 26.993 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Tgt Ion: 43 Resp: 233960
Ion Ratio Lower Upper
43 100
61 18.2 15.0 22.4
87 10.3 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

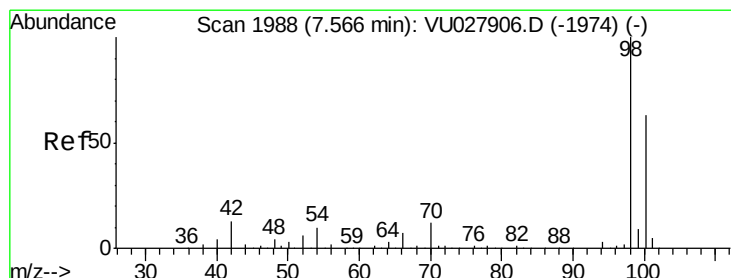
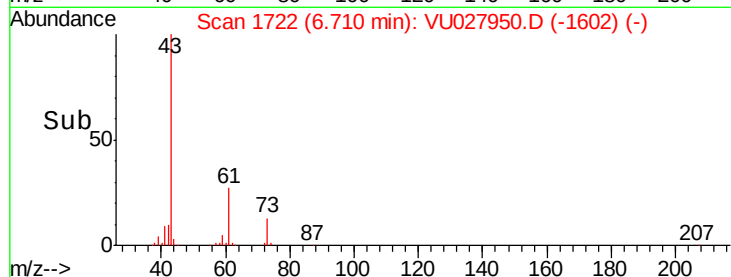
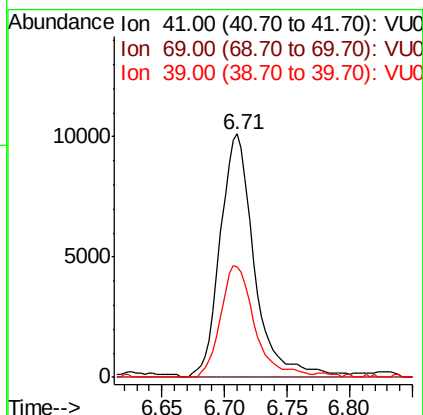
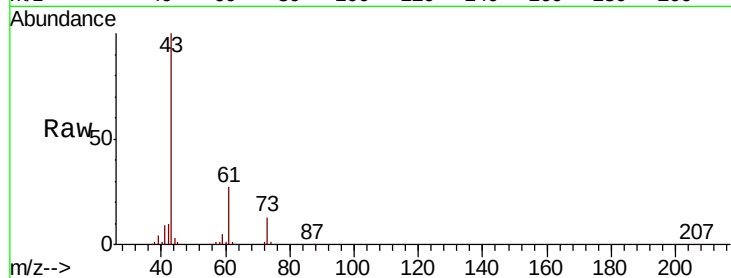




#48
Methvl methacrylate
Concen: 4.504 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

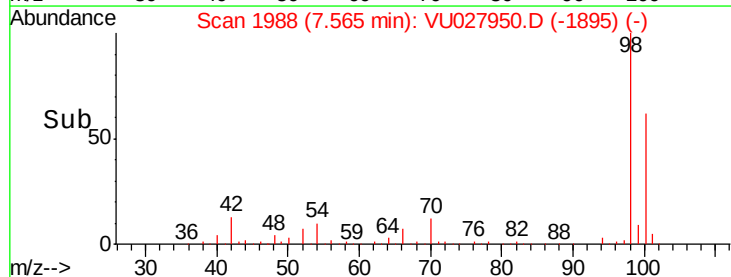
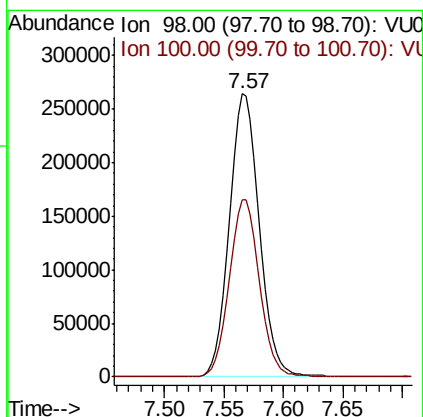
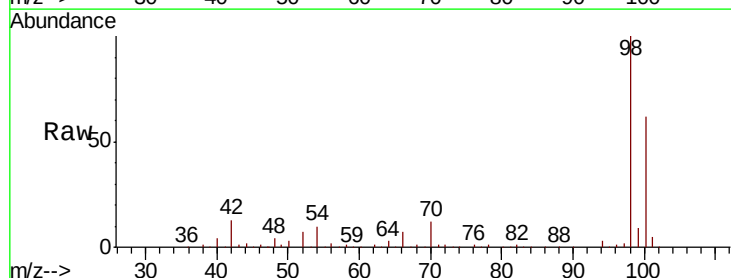
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#05

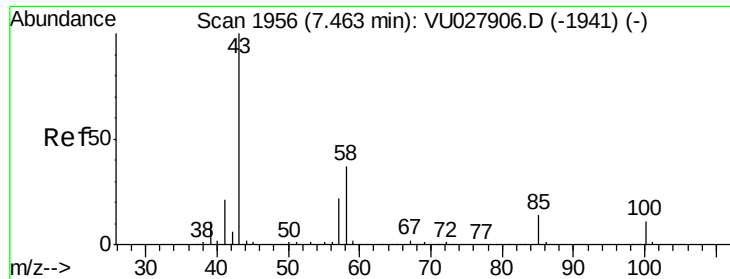
Tot Ion: 41 Resp: 19132
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 45.6 40.0 60.0



#50
Toluene-d8
Concen: 52.548 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Tgt Ion: 98 Resp: 461399
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.502 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

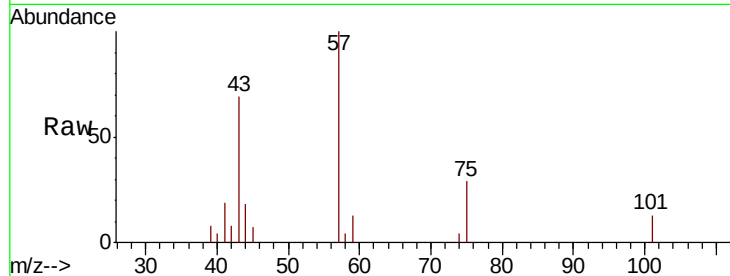
PB114473ZHE#05

Tot Ion: 43 Resp: 2908

Ion Ratio Lower Upper

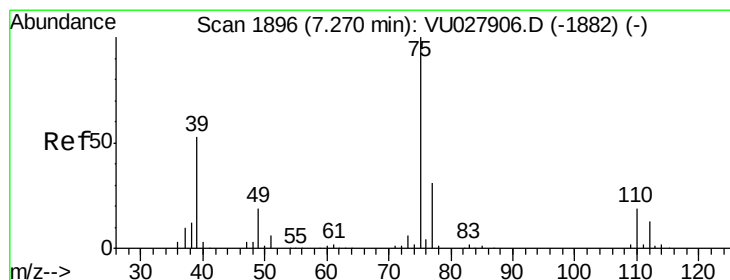
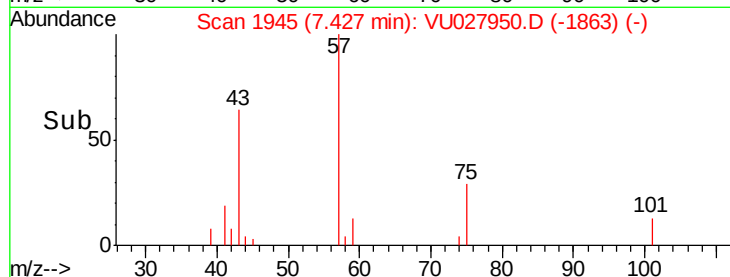
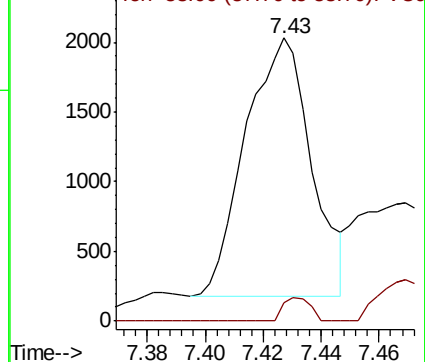
43 100

58 0.0 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: 0.316 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

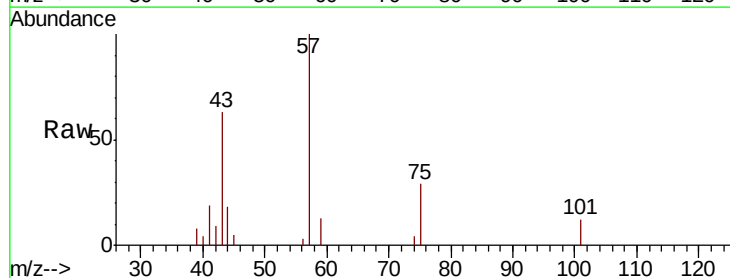
Tgt Ion: 75 Resp: 1438

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

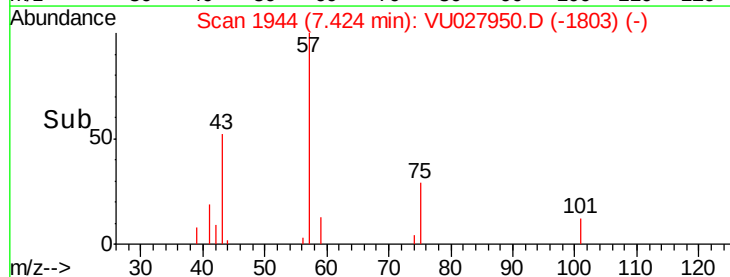
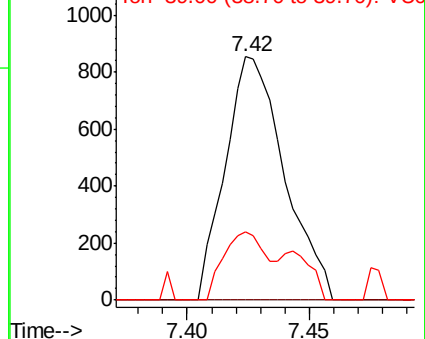
39 28.0 42.6 64.0#

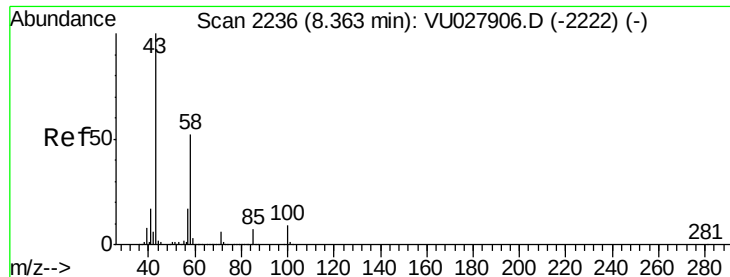


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#59

2-Hexanone

Concen: 3.122 ug/l

RT: 8.42 min Scan# 2254

Delta R.T. 0.06 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

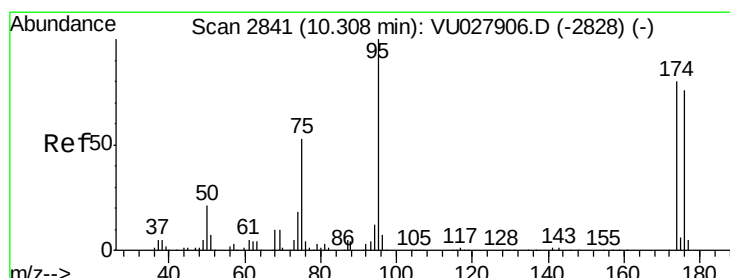
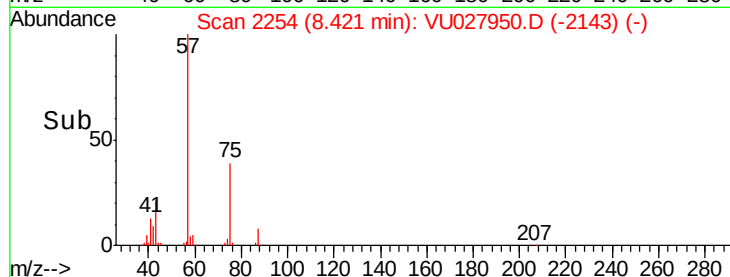
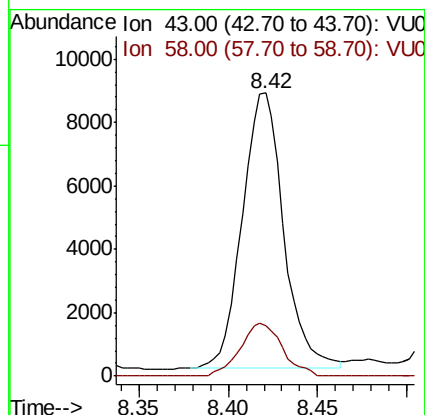
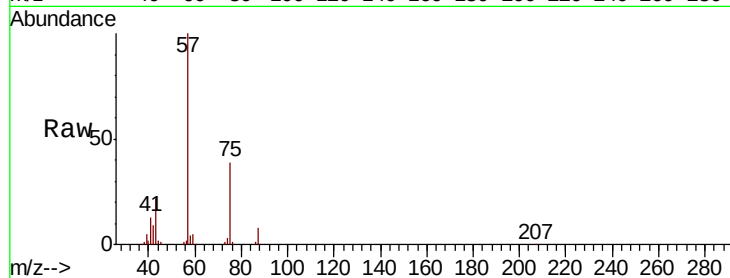
PB114473ZHE#05

Tot Ion: 43 Resp: 13975

Ion Ratio Lower Upper

43 100

58 19.6 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 49.496 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

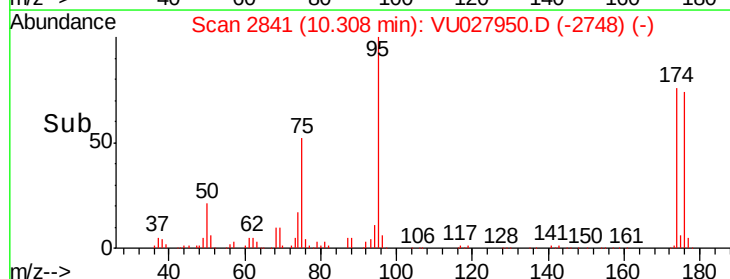
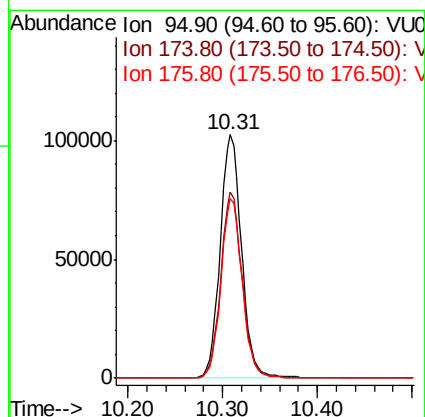
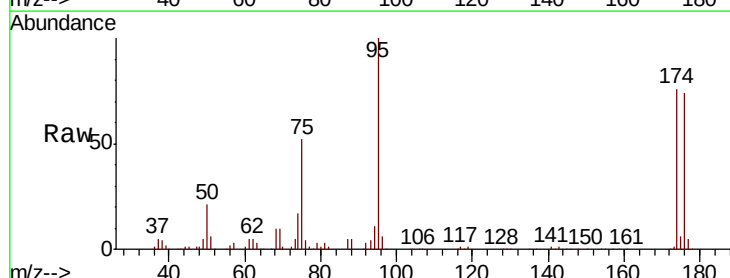
Tgt Ion: 95 Resp: 160301

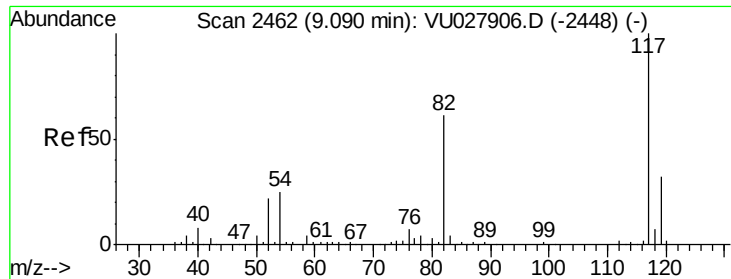
Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.4

176 73.2 0.0 150.8

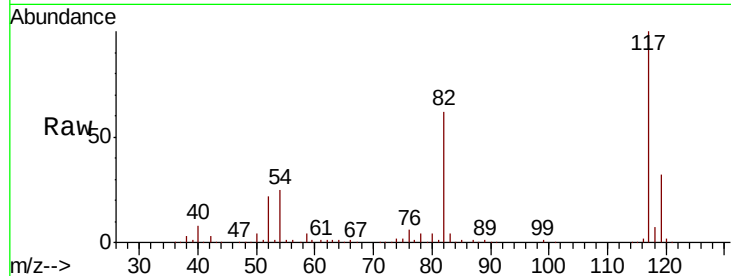




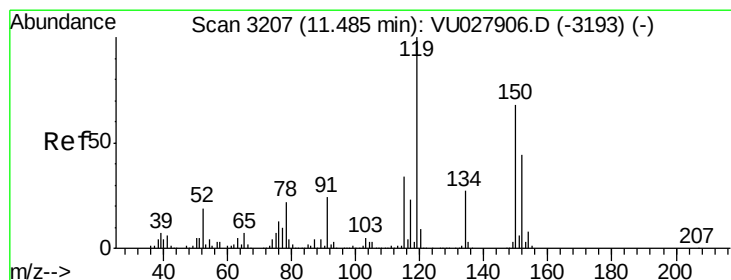
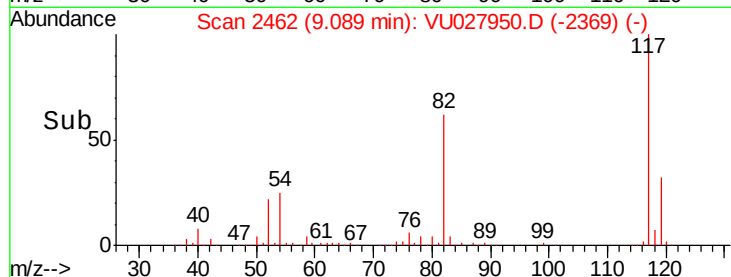
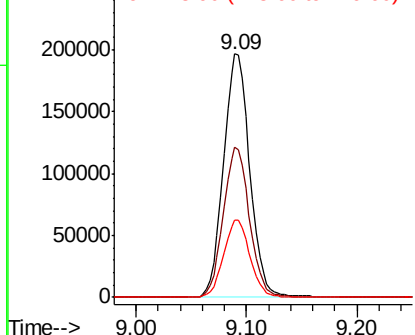
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#05

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.6	73.0
119	31.8	25.8	38.8

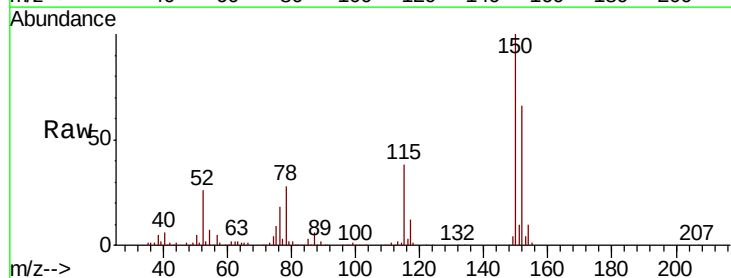


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

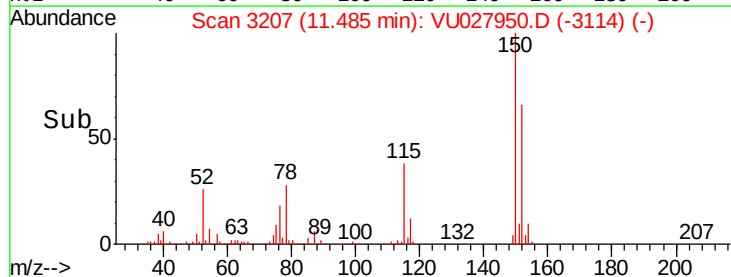
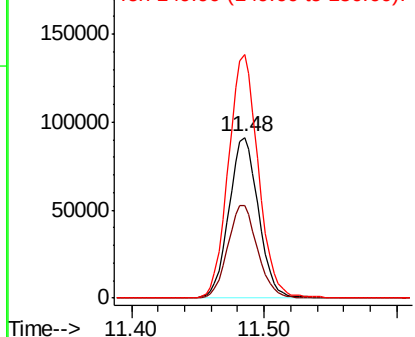


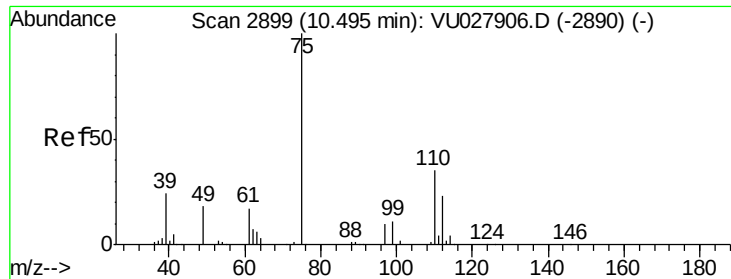
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027950.D
Acq: 05 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	43.0	129.0
150	153.3	0.0	349.4



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: 21.123 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

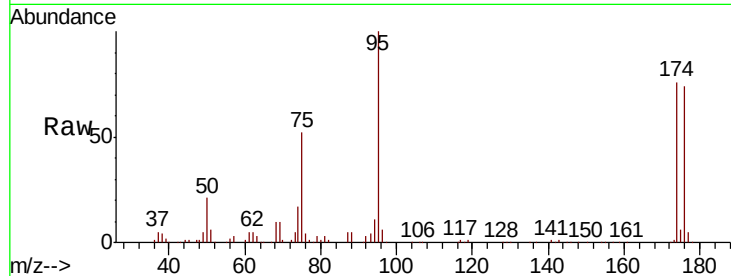
PB114473ZHE#05

Tot Ion: 75 Resp: 81737

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.6#

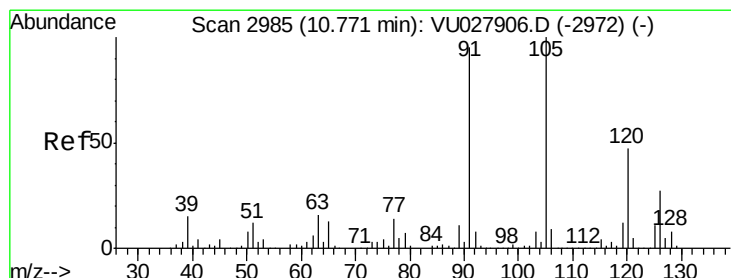
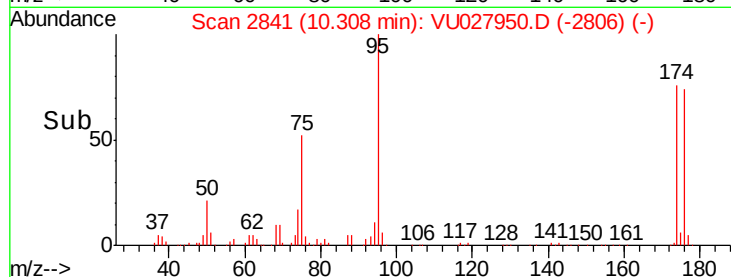


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)

10.31

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027950.D

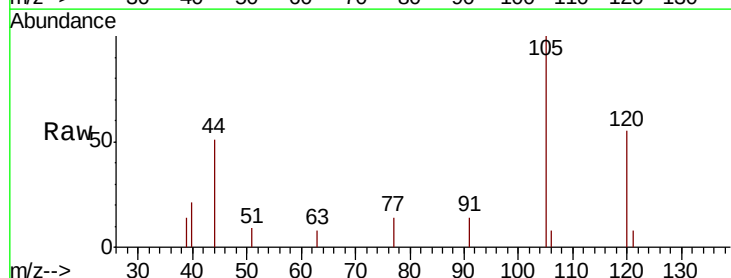
Acq: 05 Nov 2018 12:26

Tgt Ion: 105 Resp: 1987

Ion Ratio Lower Upper

105 100

120 51.7 23.3 69.9

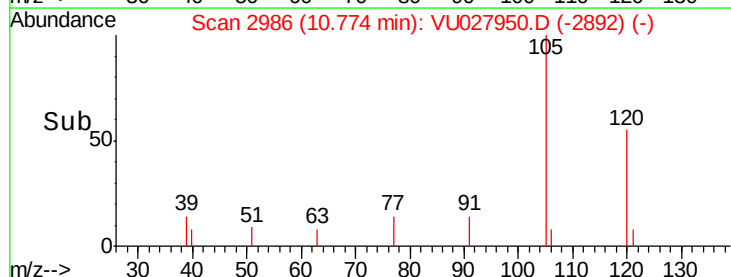


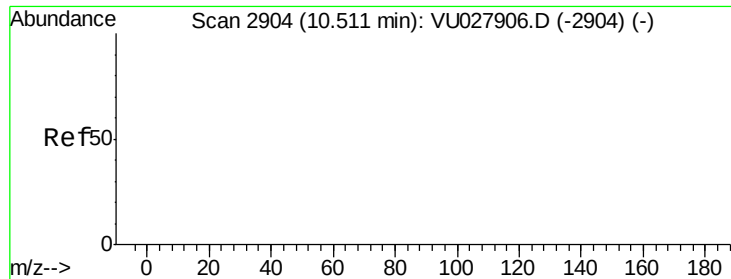
Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

10.77

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.726 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#05

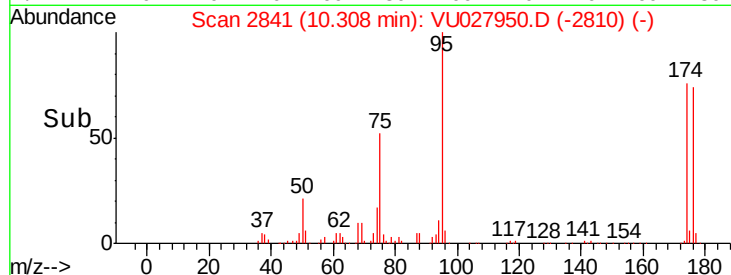
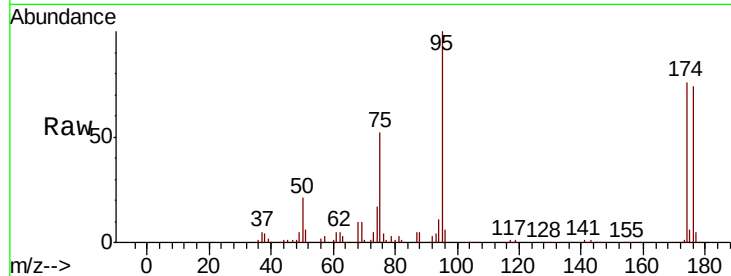
Tot Ion: 75 Resp: 81737

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

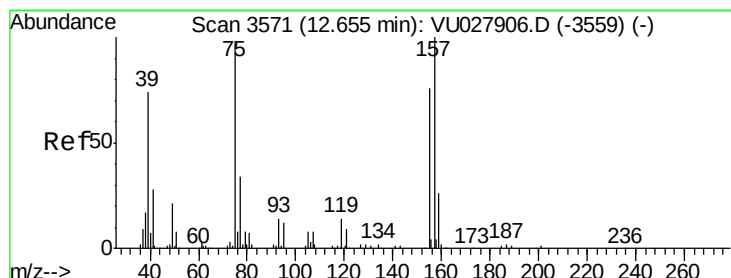
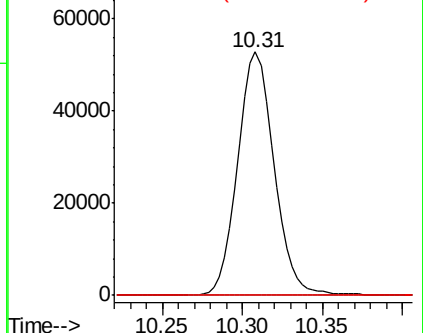
89 0.0 0.0 0.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.228 ug/l

RT: 12.48 min Scan# 3518

Delta R.T. -0.17 min

Lab File: VU027950.D

Acq: 05 Nov 2018 12:26

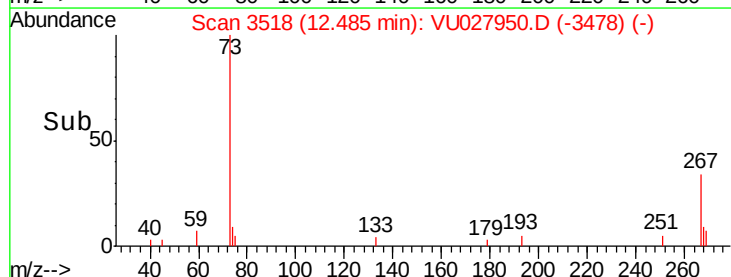
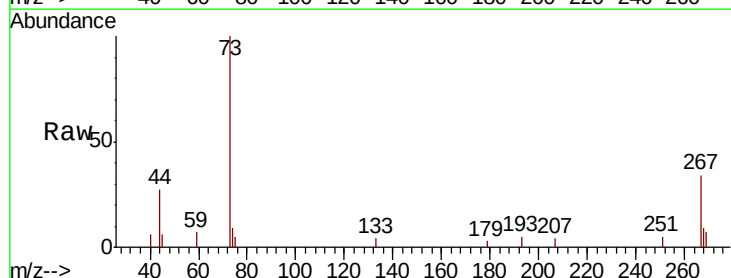
Tgt Ion: 75 Resp: 212

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

