

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027960.D
 Acq On : 05 Nov 2018 16:18
 Operator : MD/SY
 Sample : PB114473ZHE#15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#15

Quant Time: Nov 06 03:25:11 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	193071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	359421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	323489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	141310	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	157955	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
35) Dibromofluoromethane	4.89	113	116260	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	7.57	98	462878	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	10.31	95	158618	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

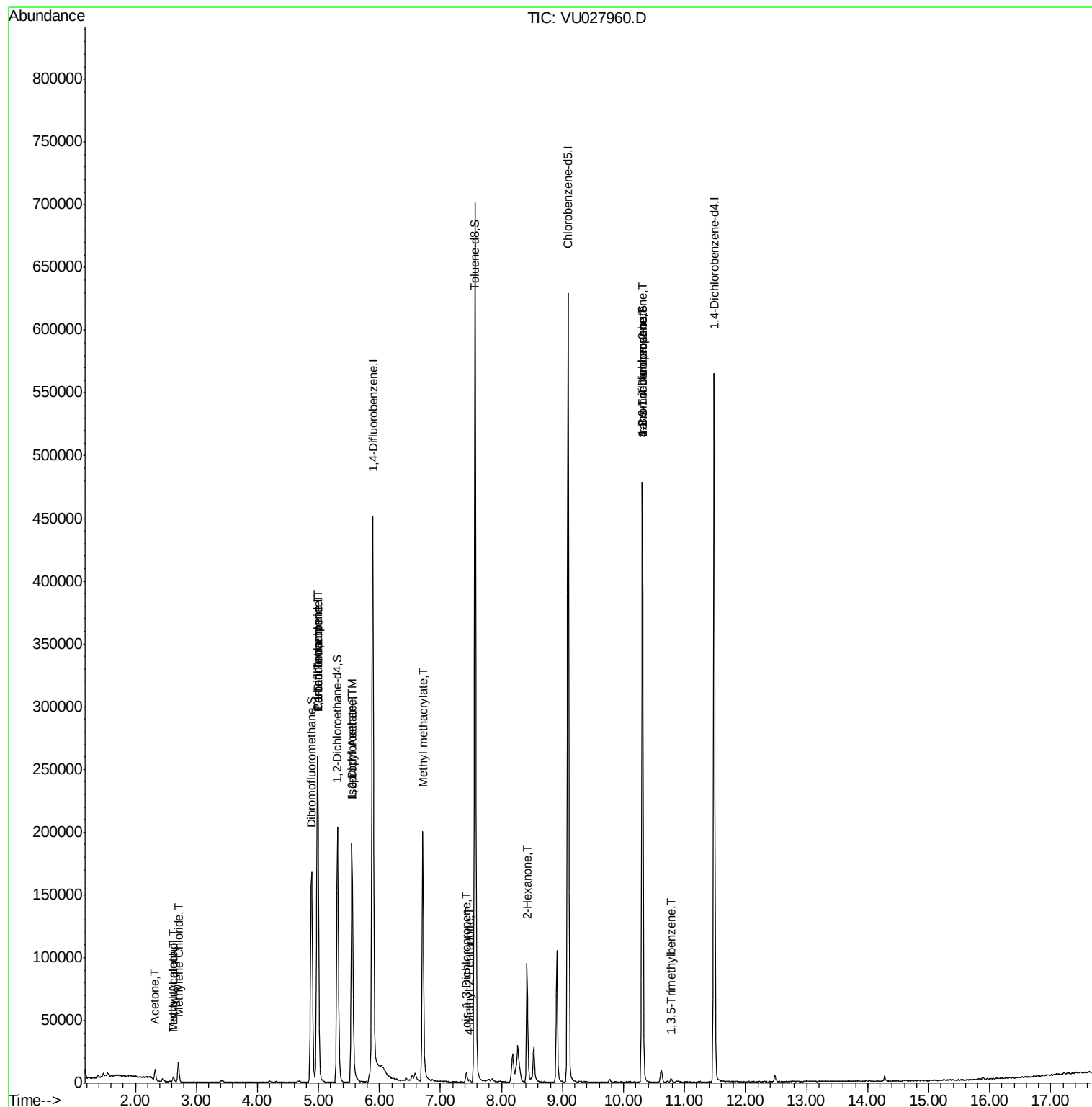
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.62	59	337	0.443	ug/l #	73
13) Acrolein	2.14	56	48	Below Cal	#	8
16) Acetone	2.32	43	9759	5.480	ug/l	89
18) Methyl Acetate	2.62	43	5127	1.047	ug/l	93
20) Methylene Chloride	2.71	84	6888	2.649	ug/l	92
31) Cyclohexane	4.99	56	4392	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17116	4.547	ug/l #	49
38) Carbon Tetrachloride	4.99	117	19611	5.879	ug/l #	16
42) 1,2-Dichloroethane	5.55	62	843	0.206	ug/l #	76
43) Isopropyl Acetate	5.55	43	231746	26.818	ug/l	99
48) Methyl methacrylate	6.71	41	18203	4.299	ug/l #	47
51) 4-Methyl-2-Pentanone	7.47	43	1297	0.225	ug/l #	68
54) cis-1,3-Dichloropropene	7.42	75	1346	0.297	ug/l #	56
59) 2-Hexanone	8.42	43	14927	3.344	ug/l #	53
76) 1,2,3-Trichloropropane	10.31	75	83064	21.490	ug/l #	34
80) 1,3,5-Trimethylbenzene	10.77	105	1951	0.215	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.31	75	83064	53.637	ug/l #	100

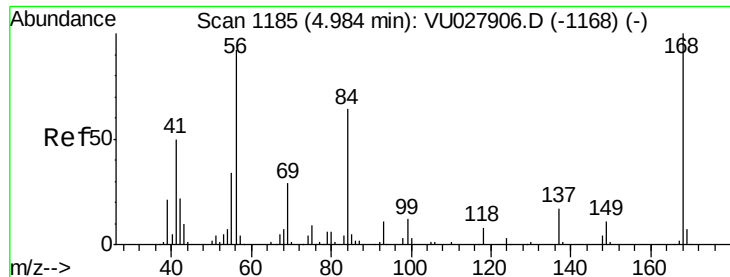
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

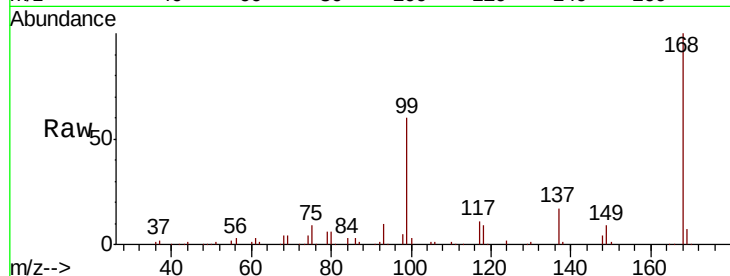
PB114473ZHE#15

Tot Ion:168 Resp: 193071

Ion Ratio Lower Upper

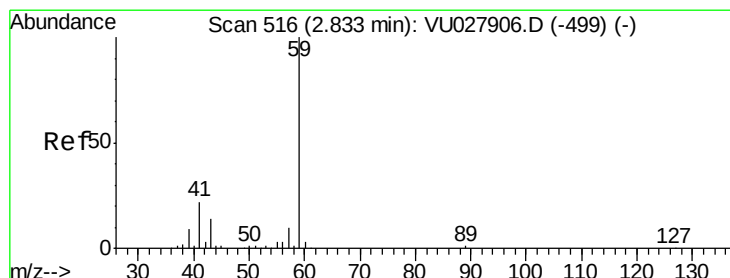
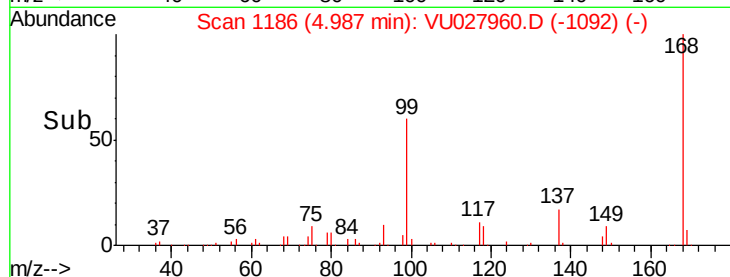
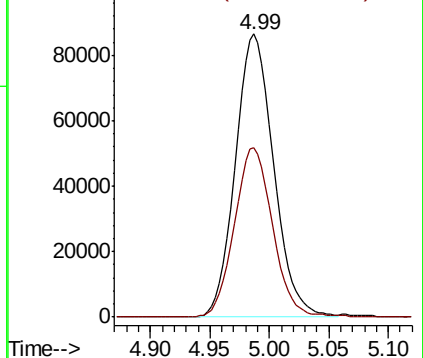
168 100

99 59.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027960.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027960.D (-1168) (-)



#11

Tert butyl alcohol

Concen: 0.443 ug/l

RT: 2.62 min Scan# 450

Delta R.T. -0.21 min

Lab File: VU027960.D

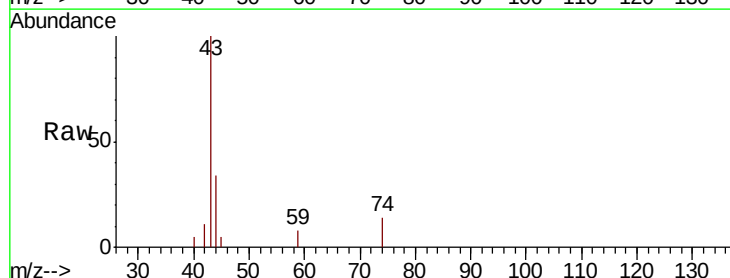
Acq: 05 Nov 2018 16:18

Tgt Ion: 59 Resp: 337

Ion Ratio Lower Upper

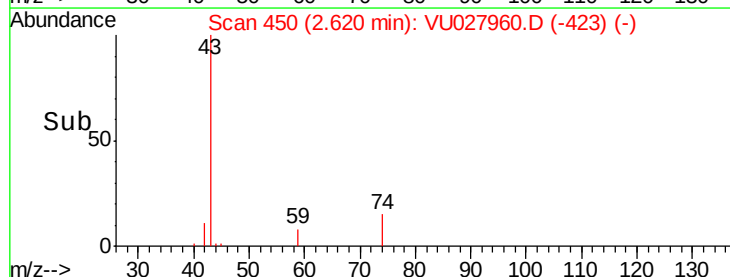
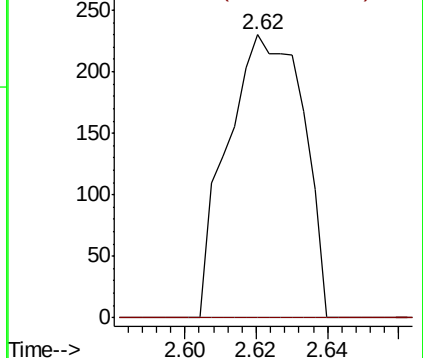
59 100

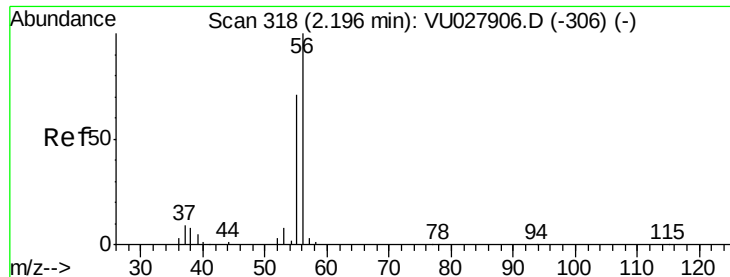
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027960.D (-423) (-)

Ion 57.00 (56.70 to 57.70): VU027960.D (-423) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 301

Delta R.T. -0.05 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

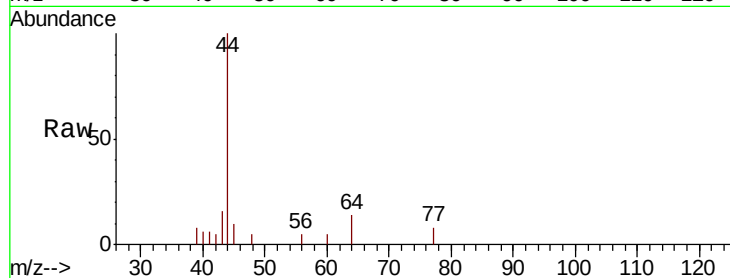
PB114473ZHE#15

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

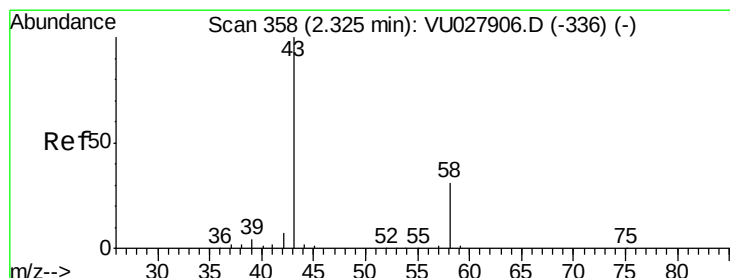
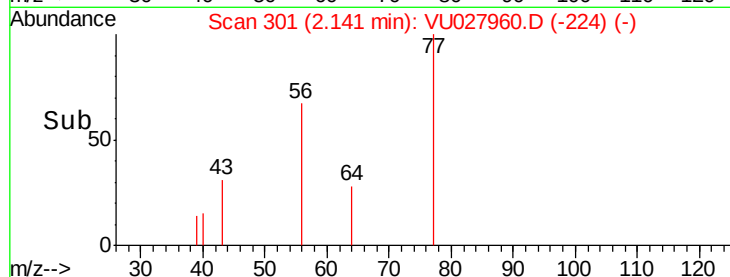
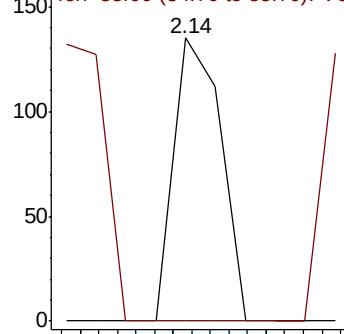
56 100

55 145.8 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 5.480 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027960.D

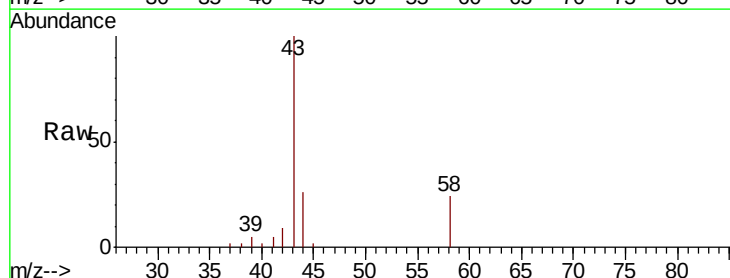
Acq: 05 Nov 2018 16:18

Tgt Ion: 43 Resp: 9759

Ion Ratio Lower Upper

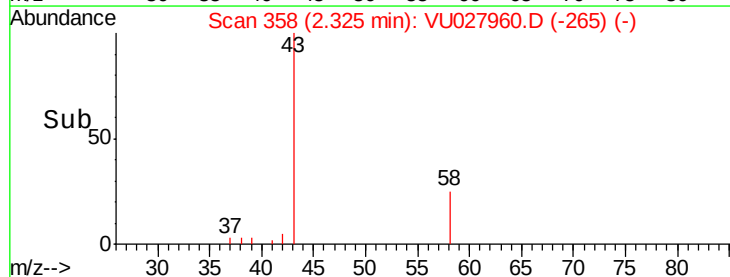
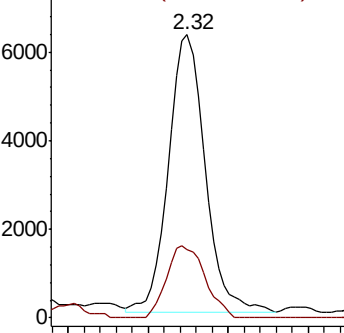
43 100

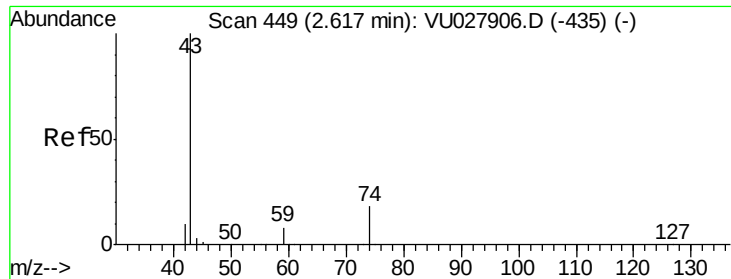
58 24.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

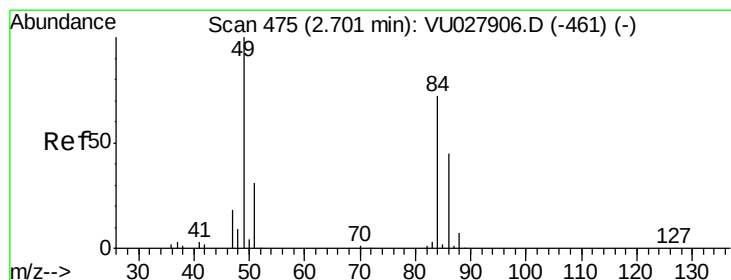
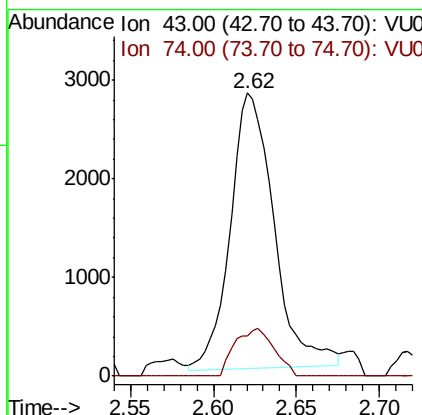
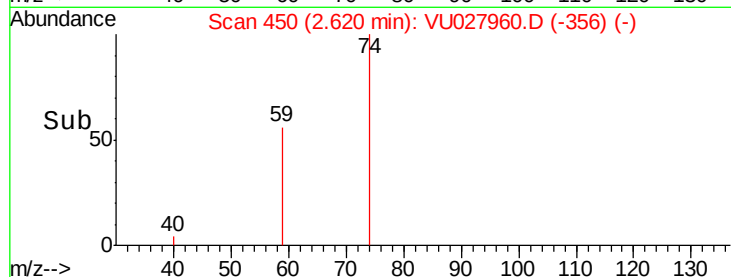
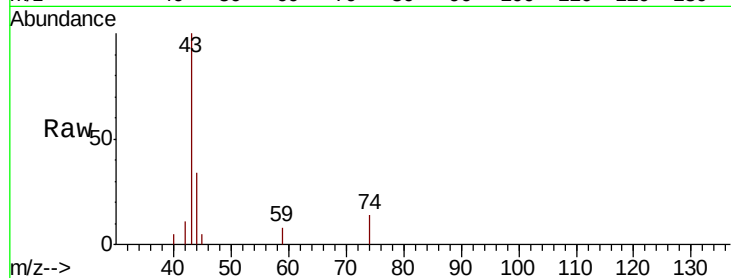




#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

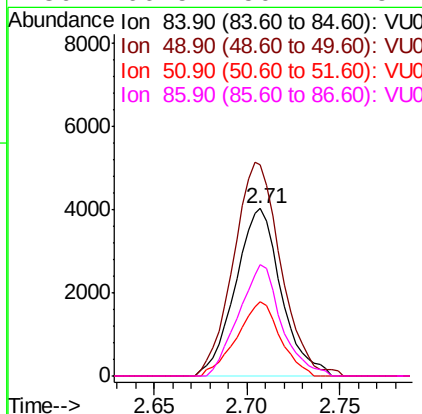
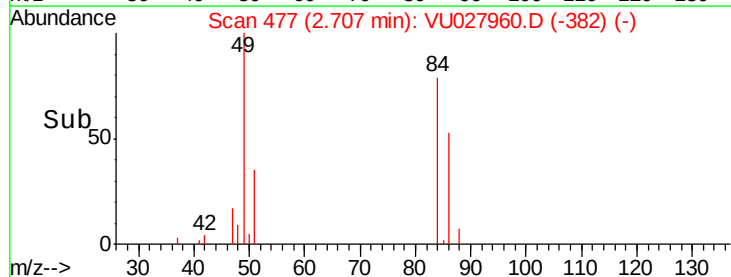
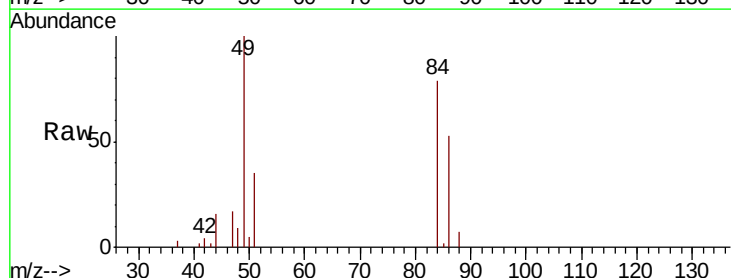
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#15

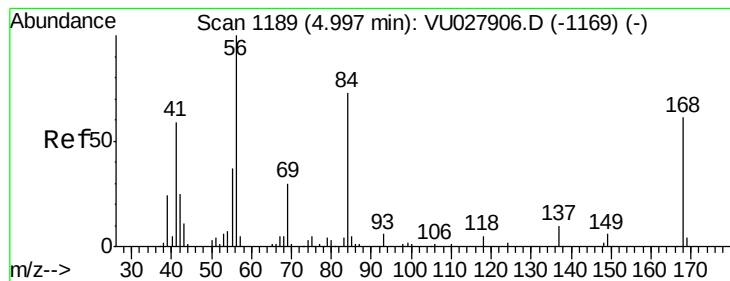
Tot Ion: 43 Resp: 5127
Ion Ratio Lower Upper
43 100
74 15.4 14.9 22.3



#20
Methylene Chloride
Concen: 2.649 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

Tgt Ion: 84 Resp: 6888
Ion Ratio Lower Upper
84 100
49 126.2 111.6 167.4
51 44.7 34.8 52.2
86 66.5 50.1 75.1





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#15

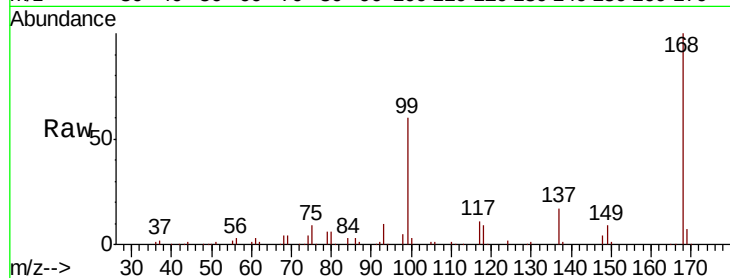
Tot Ion: 56 Resp: 4392

Ion Ratio Lower Upper

56 100

69 163.9 23.7 35.5#

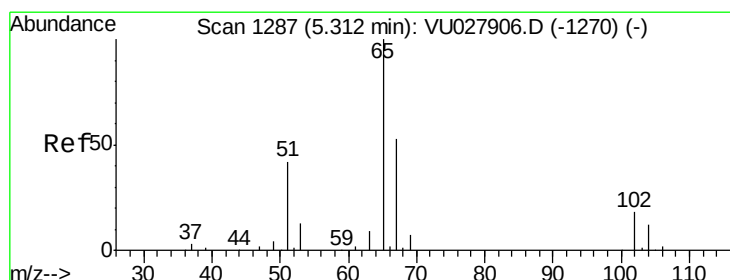
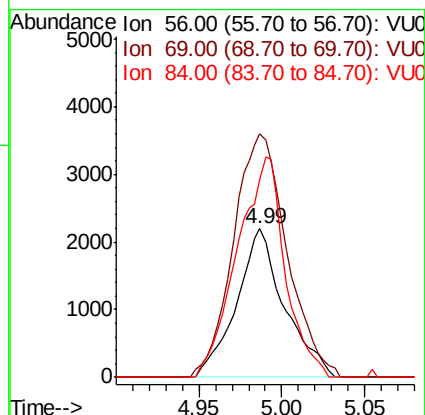
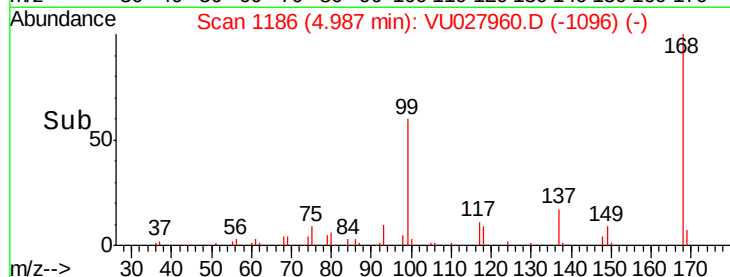
84 132.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU027906.D (-1169) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.027 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027960.D

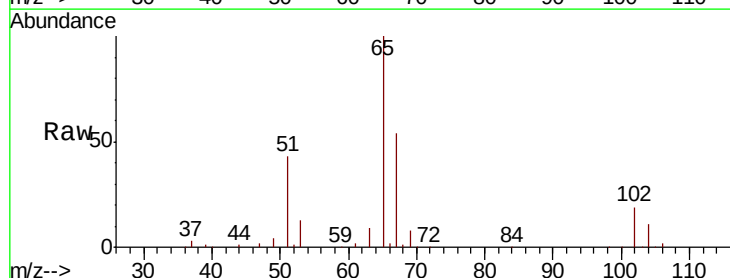
Acq: 05 Nov 2018 16:18

Tgt Ion: 65 Resp: 157955

Ion Ratio Lower Upper

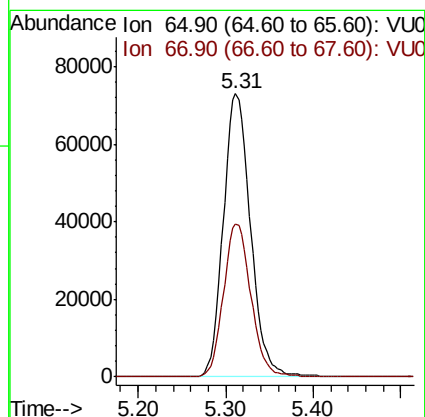
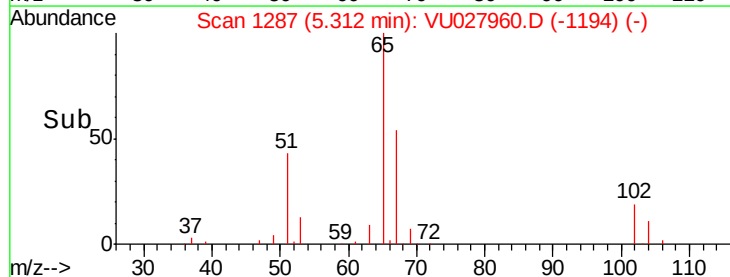
65 100

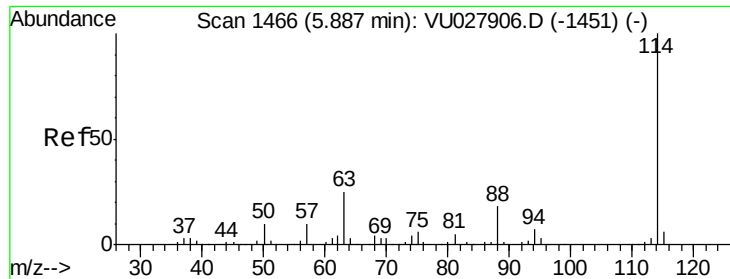
67 54.3 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

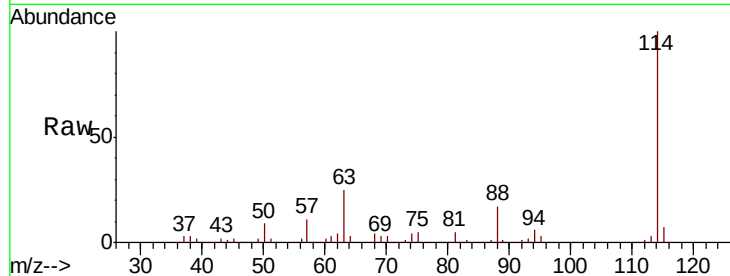




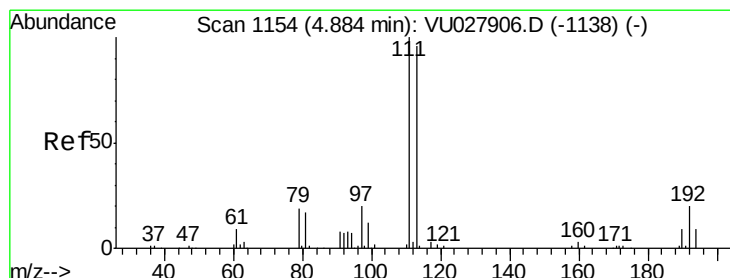
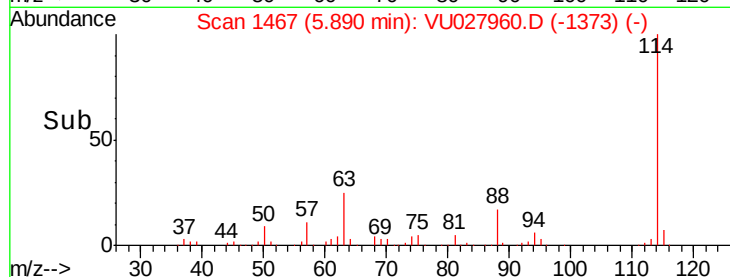
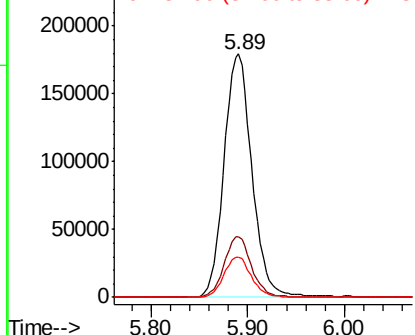
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#15

Tot Ion:114 Resp: 359421
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 16.7 0.0 35.8

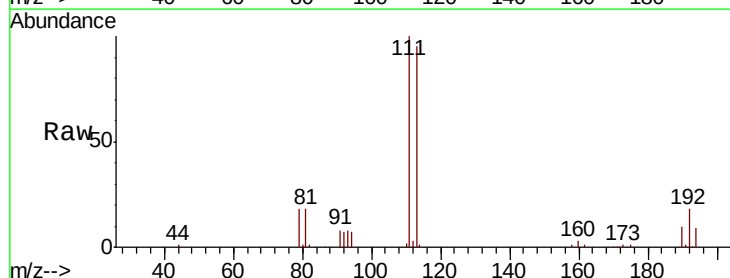


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

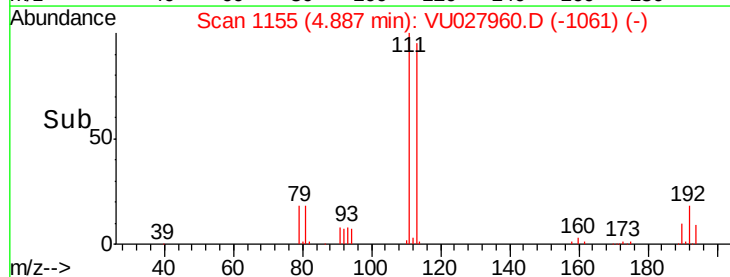
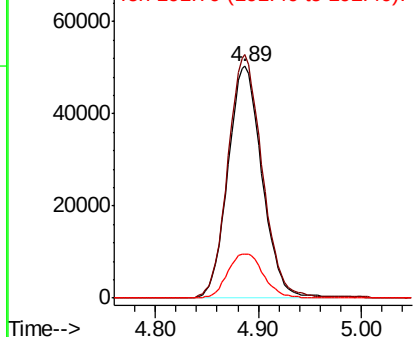


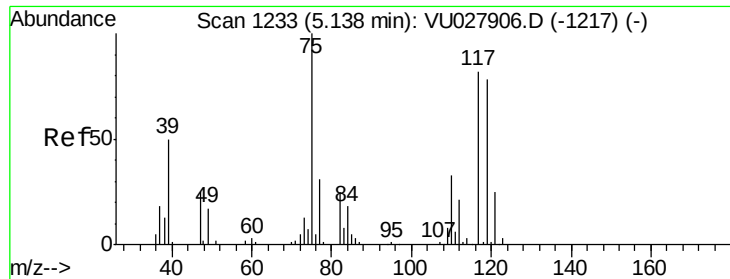
#35
 Dibromofluoromethane
 Concen: 51.302 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Tgt Ion:113 Resp: 116260
 Ion Ratio Lower Upper
 113 100
 111 105.1 83.0 124.6
 192 20.1 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

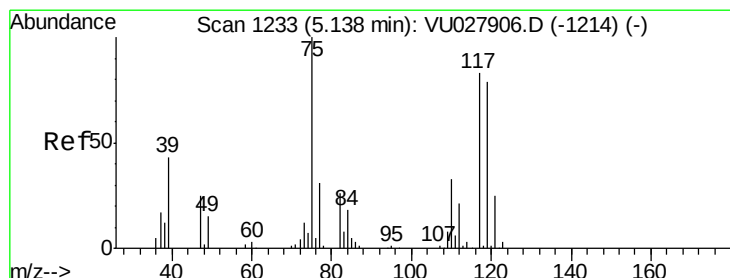
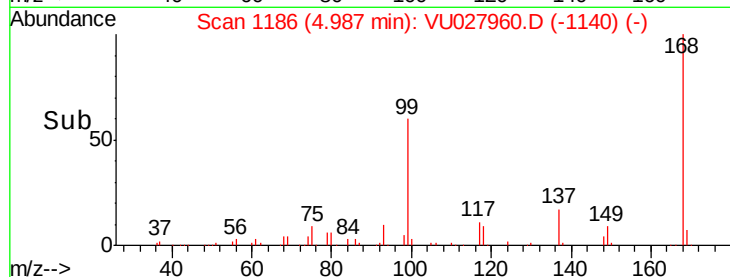
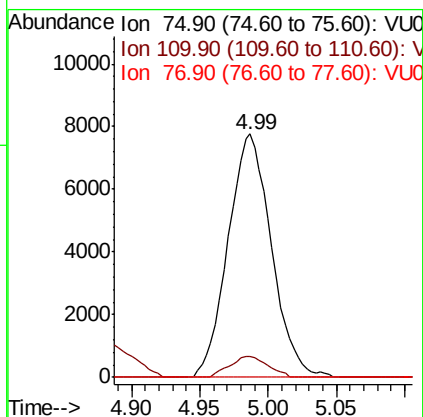
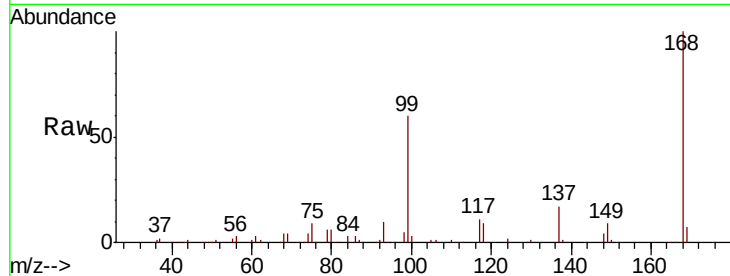




#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

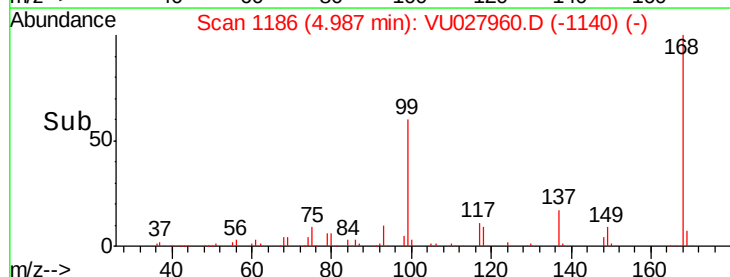
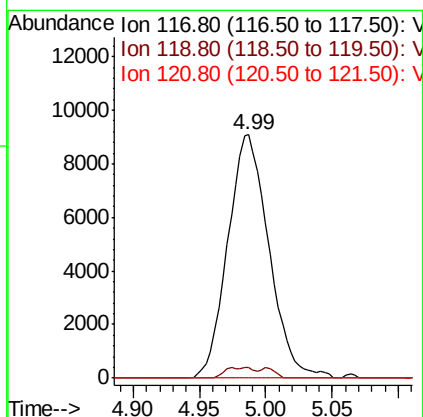
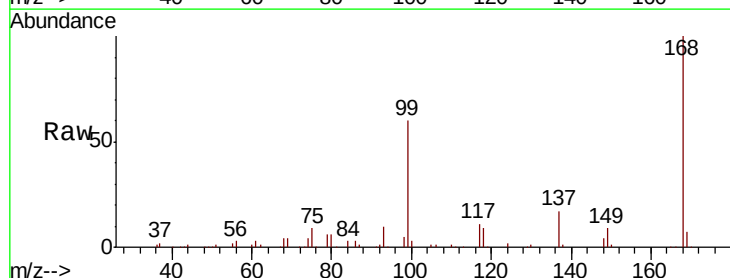
Instrument :
 MSVOA_U
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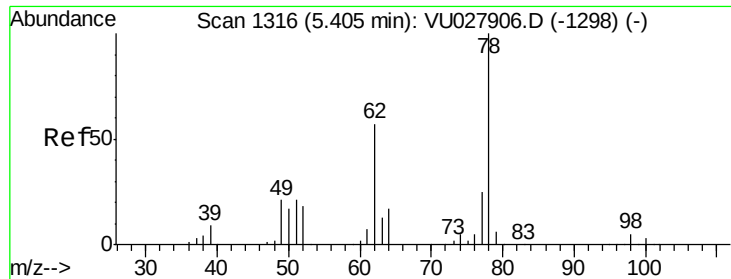
Tot Ion	75	Resp	17116
Ion Ratio	Lower	Upper	
75	100		
110	7.5	16.5	49.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.879 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Tgt Ion	117	Resp	19611
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.3	76.0	114.0#
121	0.0	24.5	36.7#

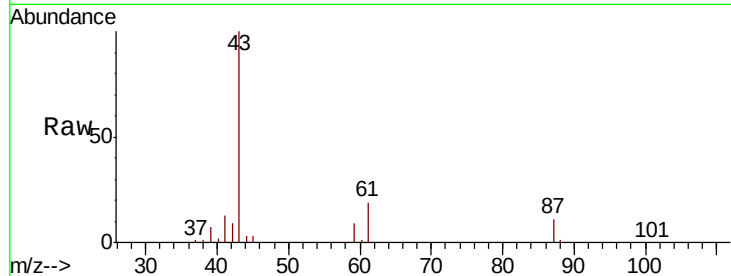




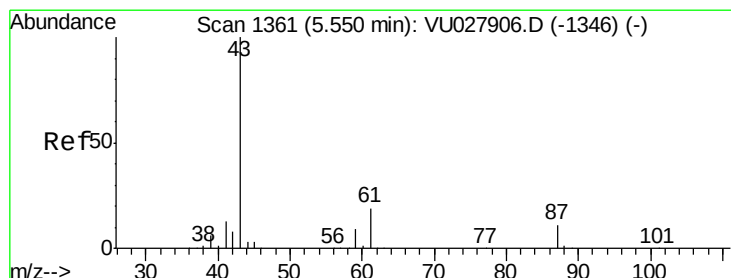
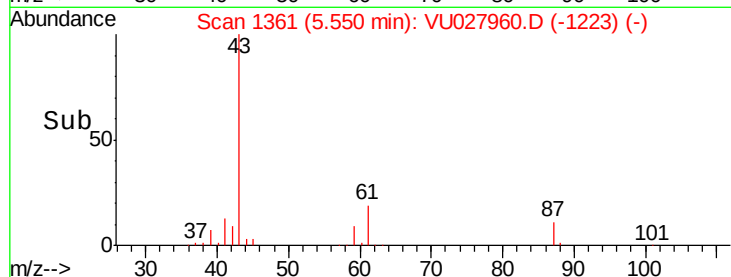
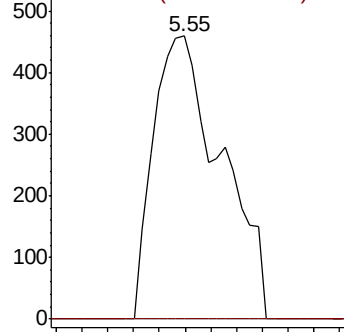
#42
 1,2-Dichloroethane
 Concen: 0.206 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. 0.14 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#15

Tot Ion: 62 Resp: 843
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.2

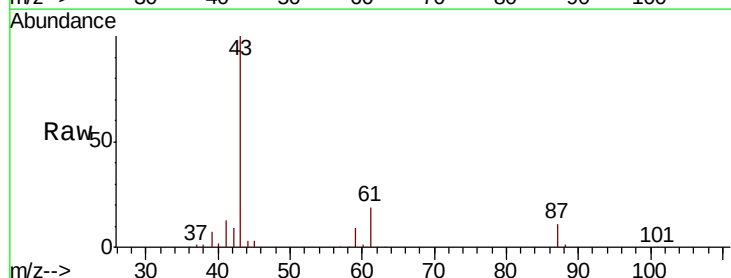


Abundance Ion 61.90 (61.60 to 62.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

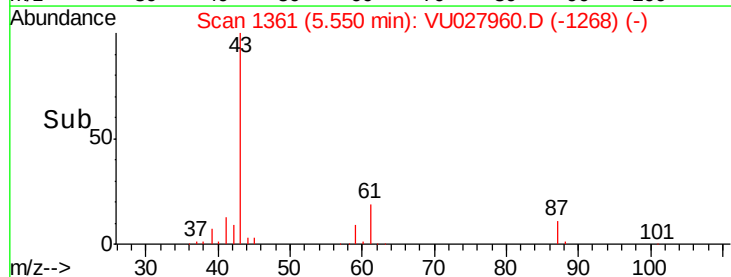
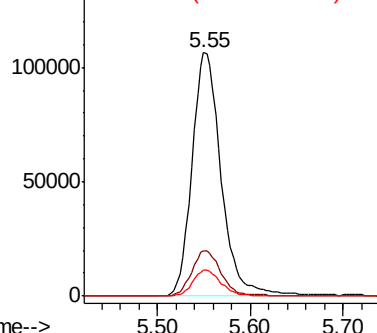


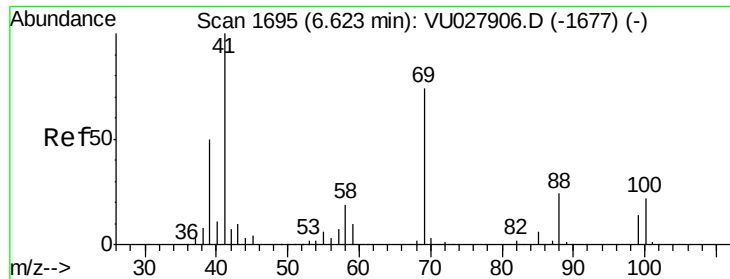
#43
 Isopropyl Acetate
 Concen: 26.818 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Tgt Ion: 43 Resp: 231746
 Ion Ratio Lower Upper
 43 100
 61 18.9 15.0 22.4
 87 10.4 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

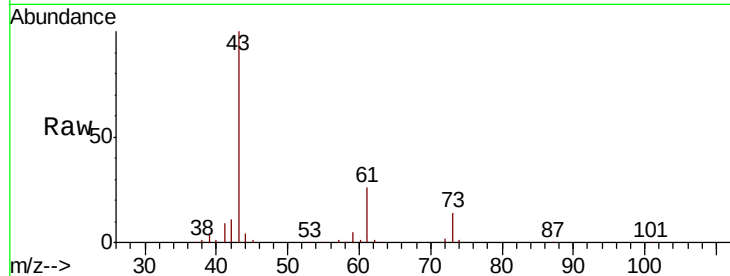




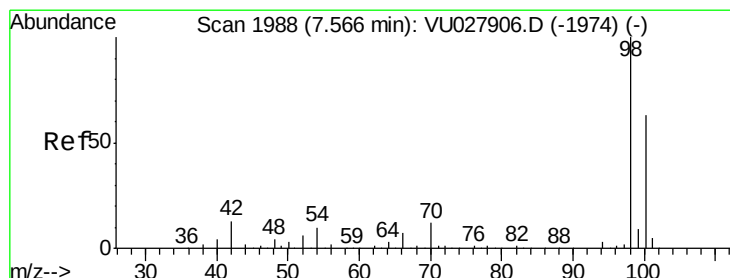
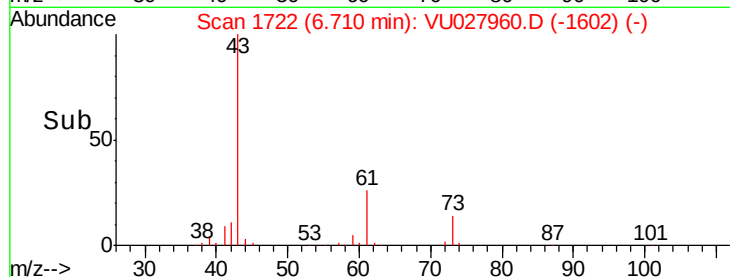
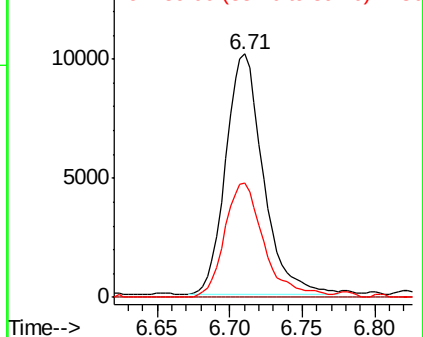
#48
Methvl methacrylate
Concen: 4.299 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#15

Tot Ion: 41 Resp: 18203
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 49.8 40.0 60.0

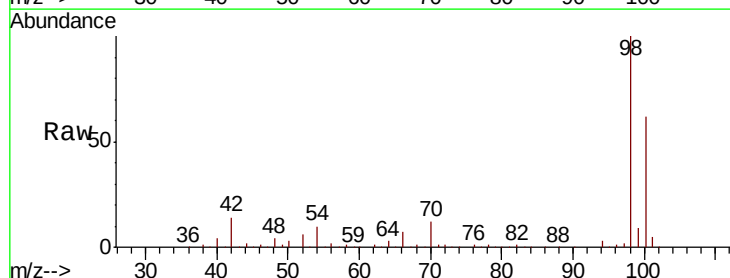


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

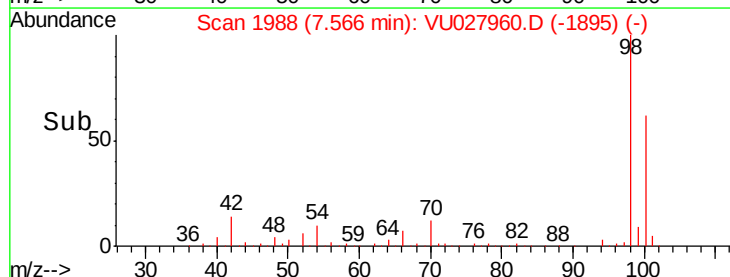
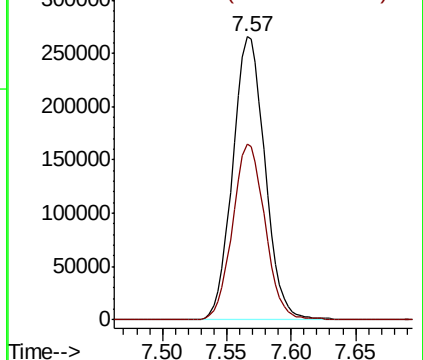


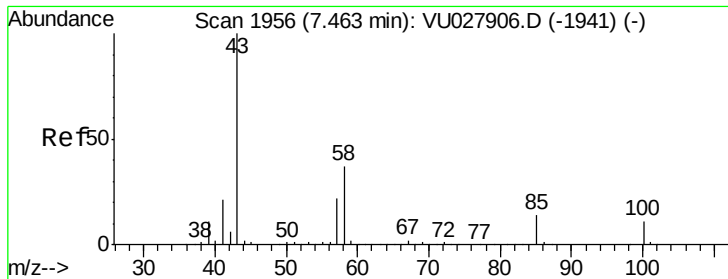
#50
Toluene-d8
Concen: 52.875 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

Tgt Ion: 98 Resp: 462878
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



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





#51

4-Methyl-2-Pentanone

Concen: 0.225 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

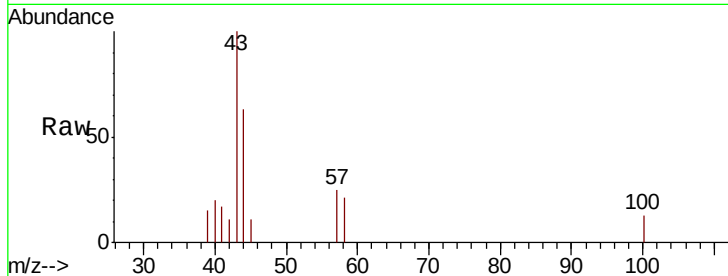
PB114473ZHE#15

Tot Ion: 43 Resp: 1297

Ion Ratio Lower Upper

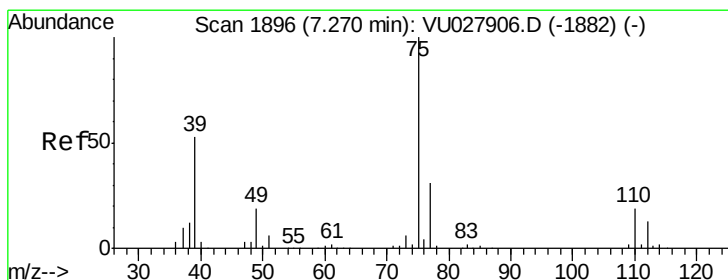
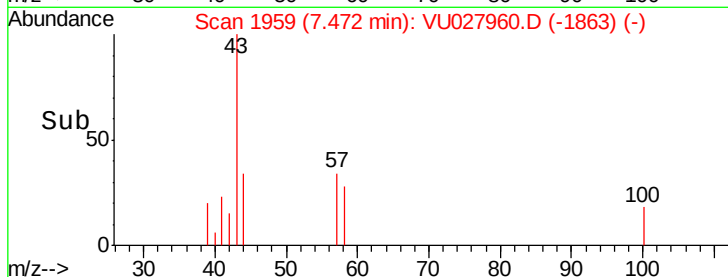
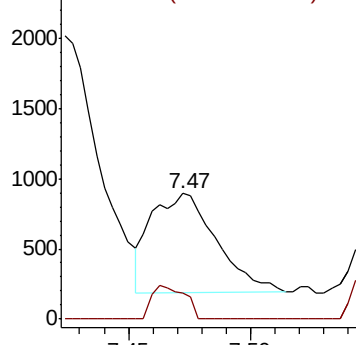
43 100

58 17.6 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: 0.297 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

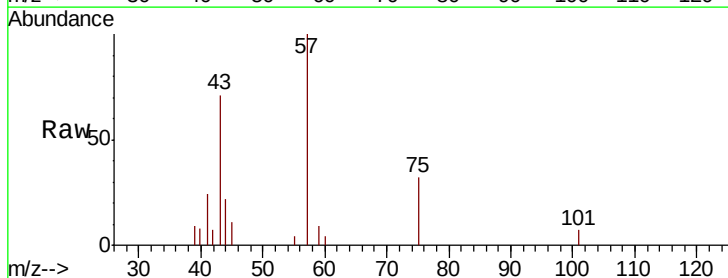
Tgt Ion: 75 Resp: 1346

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

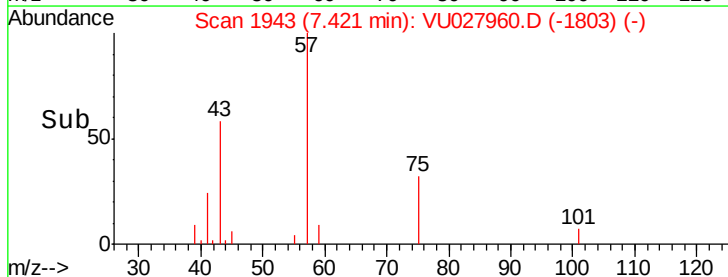
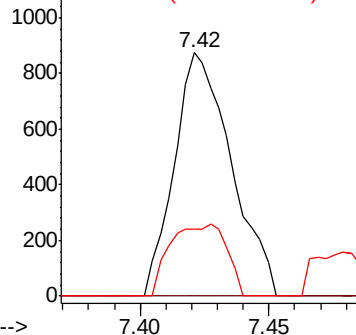
39 27.4 42.6 64.0#

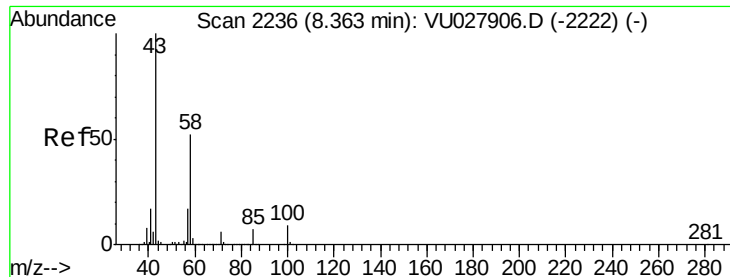


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#59

2-Hexanone

Concen: 3.344 ug/l

RT: 8.42 min Scan# 2253

Delta R.T. 0.05 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

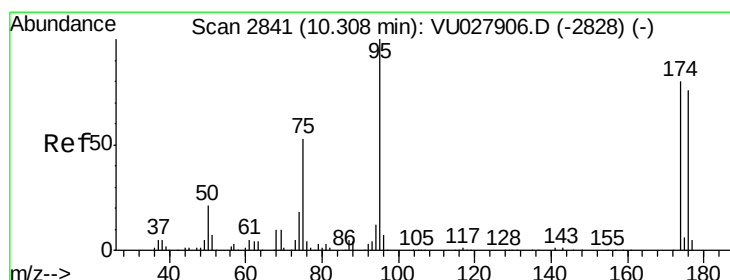
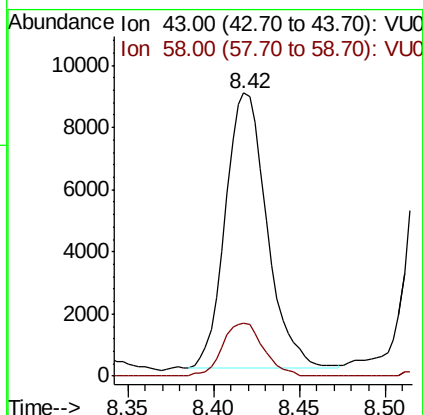
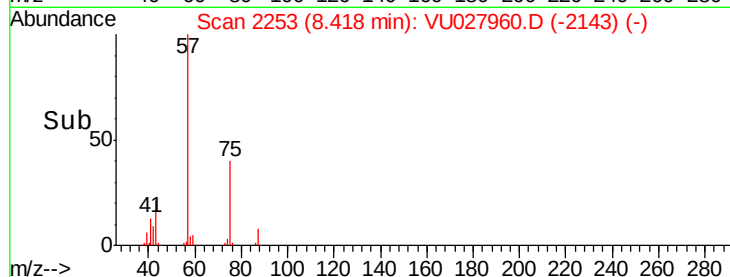
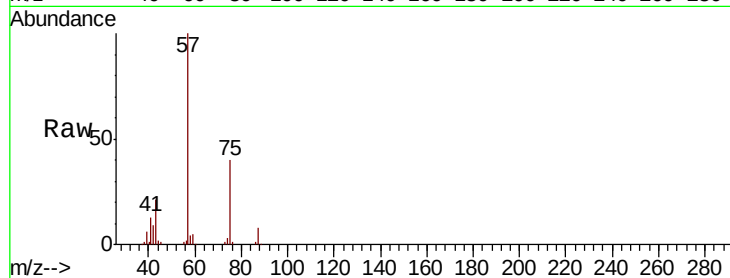
PB114473ZHE#15

Tot Ion: 43 Resp: 14927

Ion Ratio Lower Upper

43 100

58 19.0 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 49.124 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

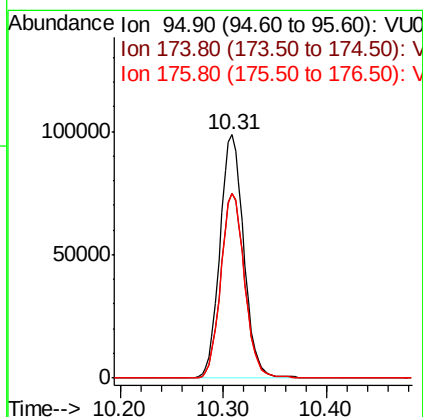
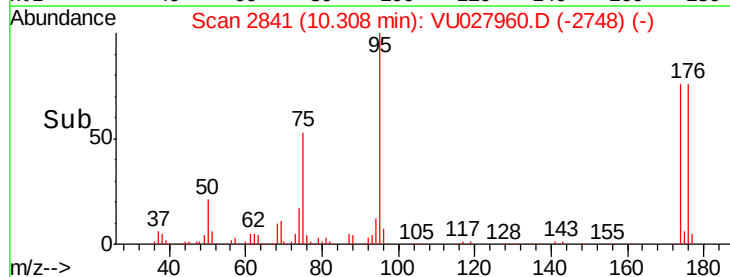
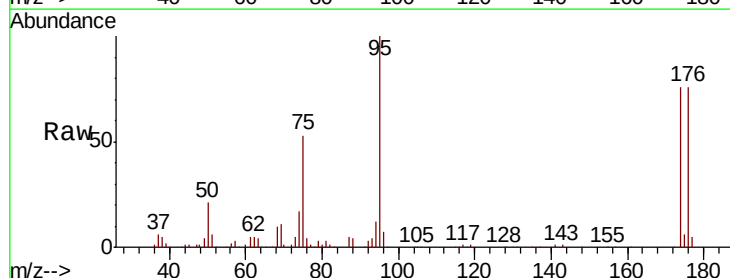
Tgt Ion: 95 Resp: 158618

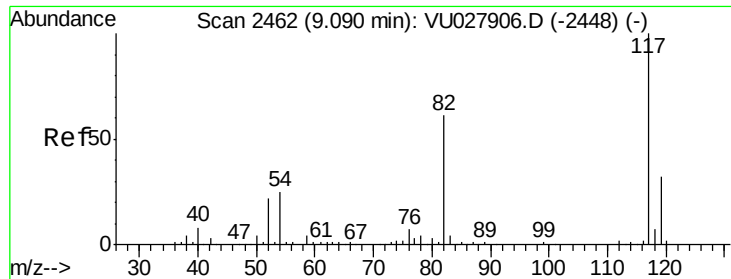
Ion Ratio Lower Upper

95 100

174 76.2 0.0 156.4

176 75.5 0.0 150.8

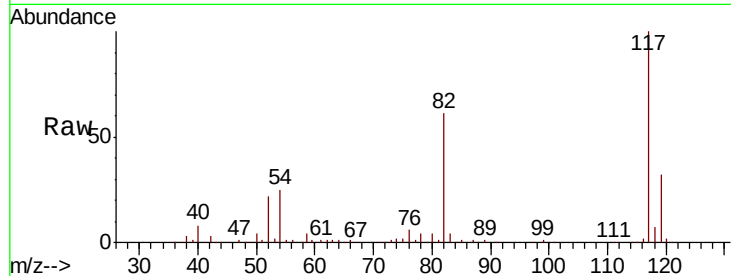




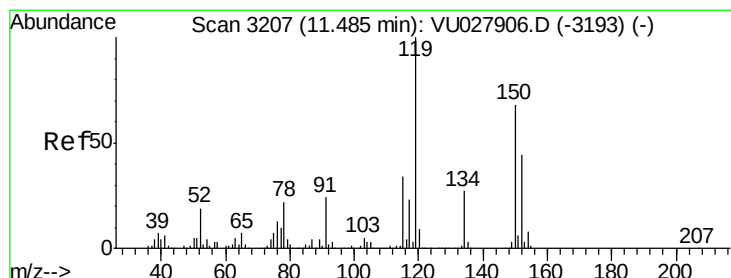
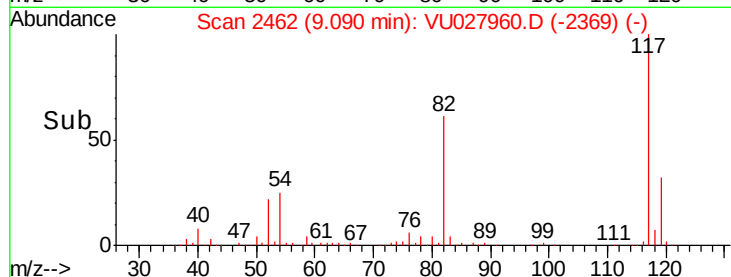
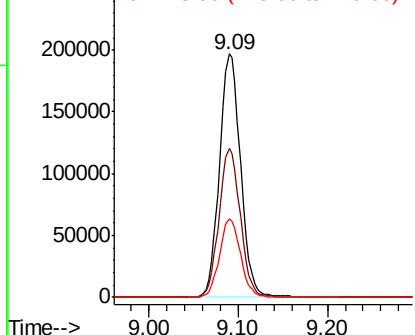
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#15

Tot Ion:117 Resp: 323489
Ion Ratio Lower Upper
117 100
82 61.1 48.6 73.0
119 32.2 25.8 38.8

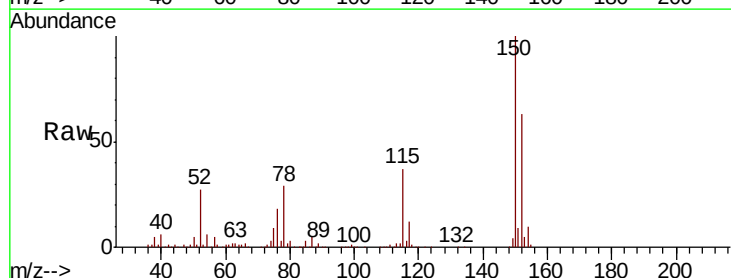


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

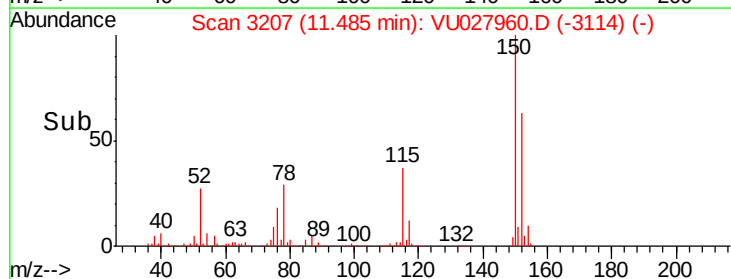
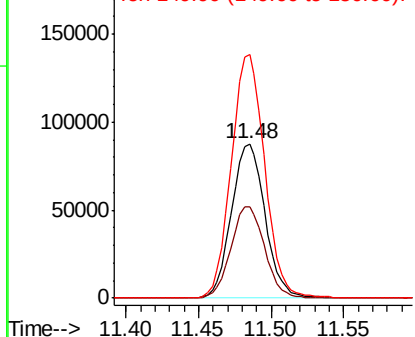


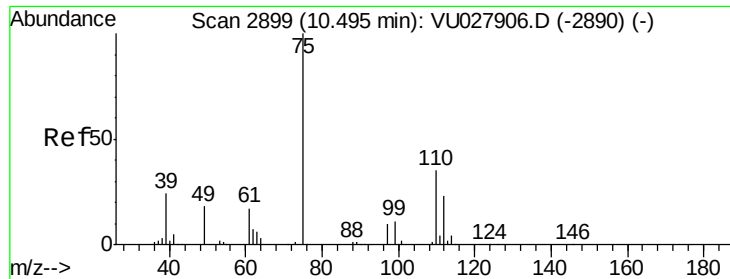
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027960.D
Acq: 05 Nov 2018 16:18

Tgt Ion:152 Resp: 141310
Ion Ratio Lower Upper
152 100
115 59.6 43.0 129.0
150 156.9 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: 21.490 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027960.D

Acq: 05 Nov 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

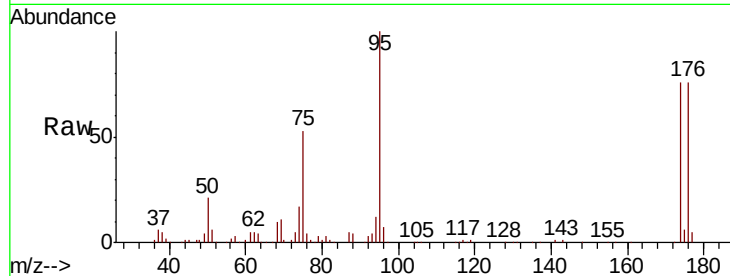
PB114473ZHE#15

Tot Ion: 75 Resp: 83064

Ion Ratio Lower Upper

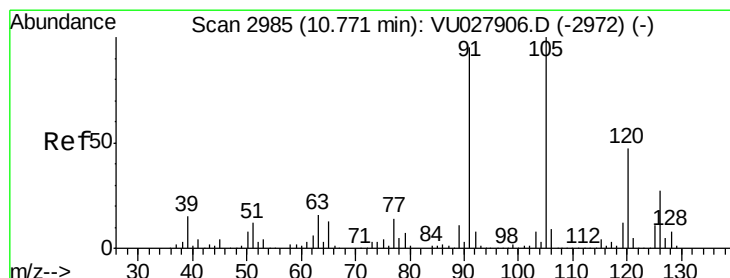
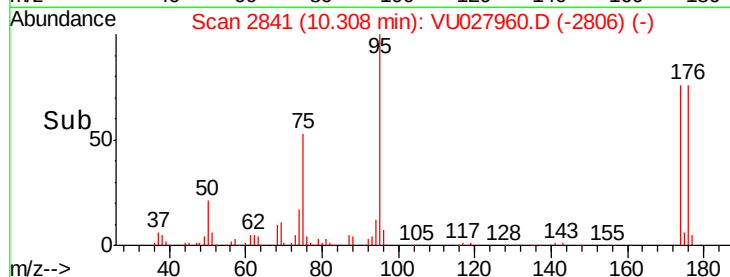
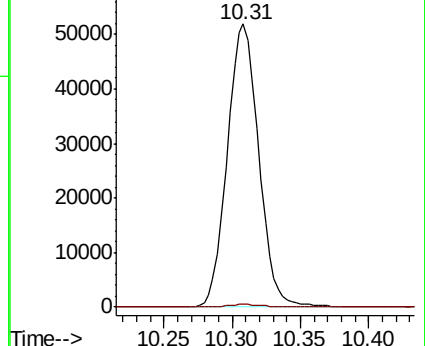
75 100

77 1.0 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027960.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027960.D (-2890) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.215 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027960.D

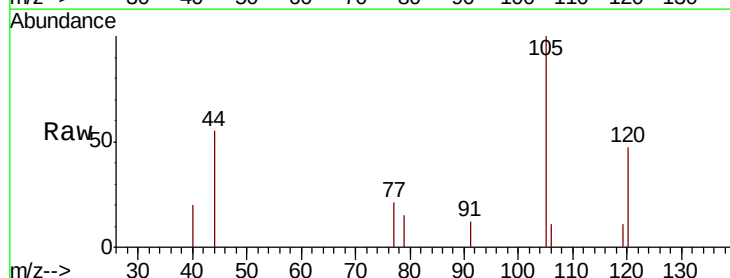
Acq: 05 Nov 2018 16:18

Tgt Ion: 105 Resp: 1951

Ion Ratio Lower Upper

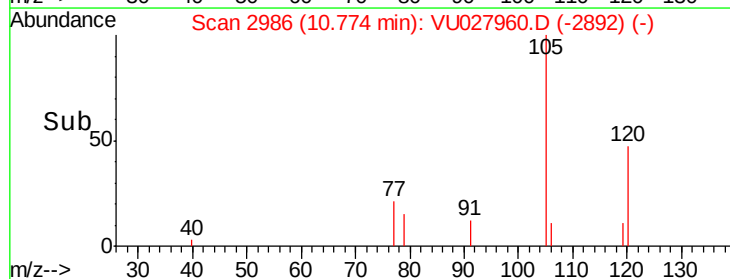
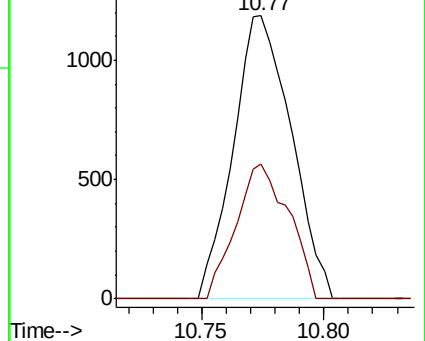
105 100

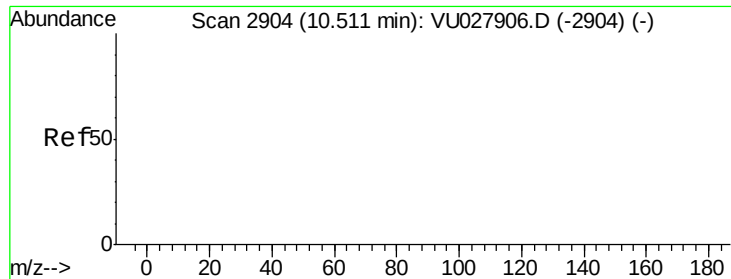
120 43.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027960.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU027960.D (-2892) (-)





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.637 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027960.D
 Acq: 05 Nov 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#15

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

