

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027949.D
 Acq On : 05 Nov 2018 12:03
 Operator : MD/SY
 Sample : PB114473ZHE#04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#04

Quant Time: Nov 06 03:22:39 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	193979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	309826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	132820	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	152068	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	4.88	113	115644	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	7.57	98	445019	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	10.31	95	150496	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

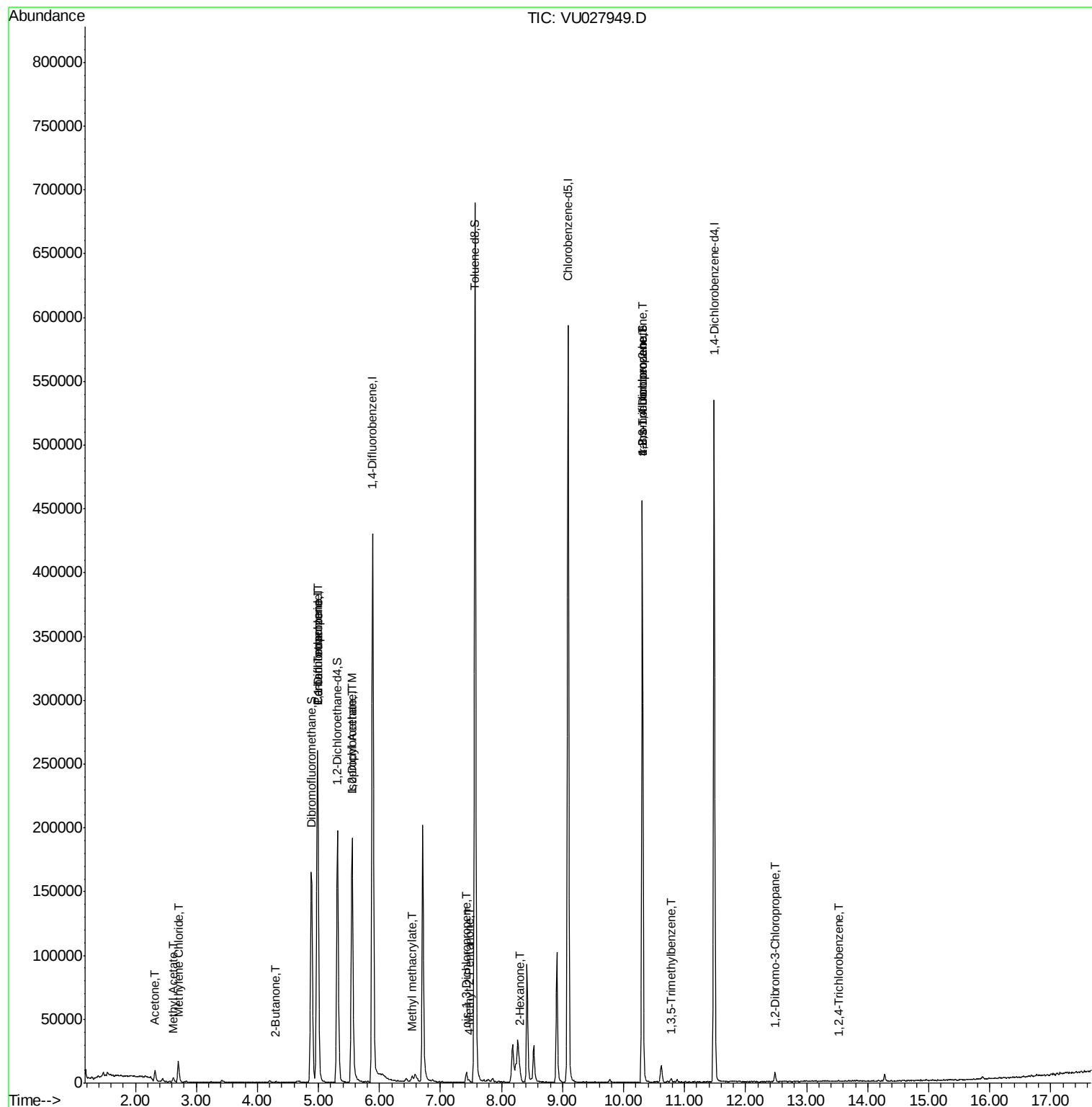
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.21	56	21	Below Cal	#	1
16) Acetone	2.32	43	9266	5.178	ug/l	99
18) Methyl Acetate	2.62	43	5318	1.080	ug/l	94
20) Methylene Chloride	2.70	84	6829	2.614	ug/l #	83
25) 2-Butanone	4.29	43	827	0.291	ug/l #	54
31) Cyclohexane	4.99	56	4408	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16415	4.469	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19756	6.069	ug/l #	16
42) 1,2-Dichloroethane	5.54	62	820	0.205	ug/l #	76
43) Isopropyl Acetate	5.55	43	234069	27.760	ug/l	99
48) Methyl methacrylate	6.54	41	6951	1.682	ug/l #	27
51) 4-Methyl-2-Pentanone	7.47	43	1564	0.278	ug/l #	81
54) cis-1,3-Dichloropropene	7.43	75	1272	0.288	ug/l #	69
59) 2-Hexanone	8.31	43	1841	0.423	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	78205	21.526	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1832	0.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	78205	53.727	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	224	0.256	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.52	180	76	0.709	ug/l #	12
95) Naphthalene	13.77	128	20	Below Cal	#	69

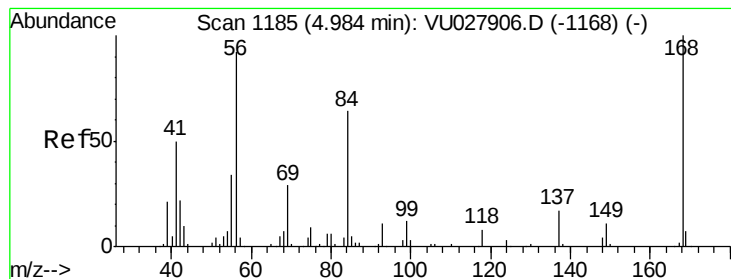
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

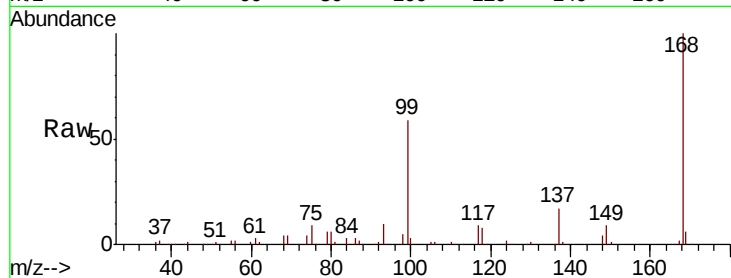
PB114473ZHE#04

Tot Ion:168 Resp: 193979

Ion Ratio Lower Upper

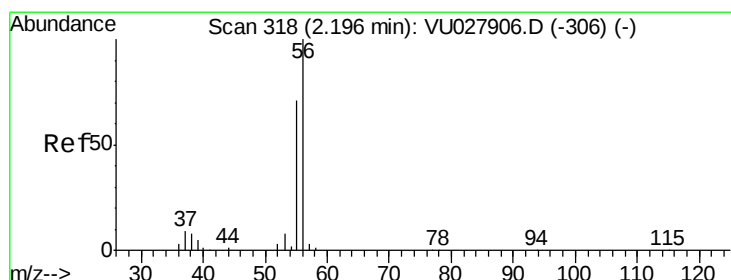
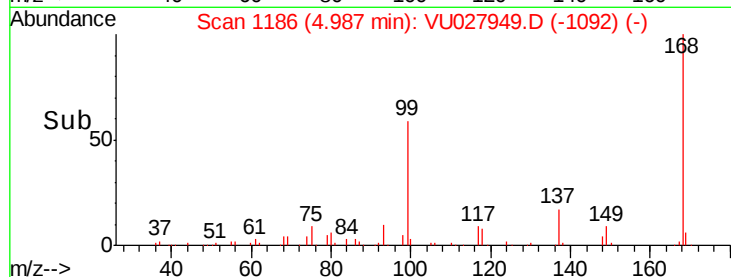
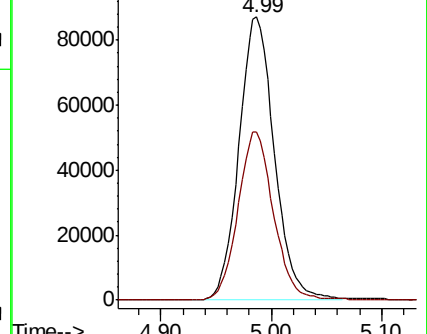
168 100

99 59.5 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027949.D (-1092) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 323

Delta R.T. 0.02 min

Lab File: VU027949.D

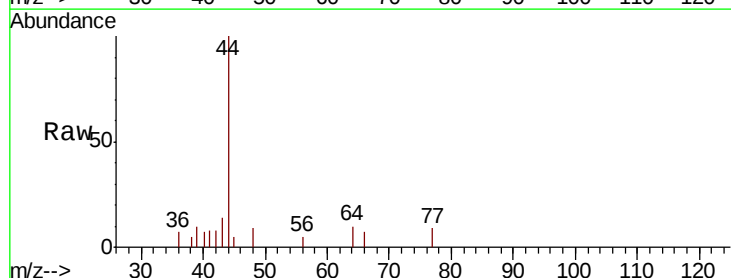
Acq: 05 Nov 2018 12:03

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

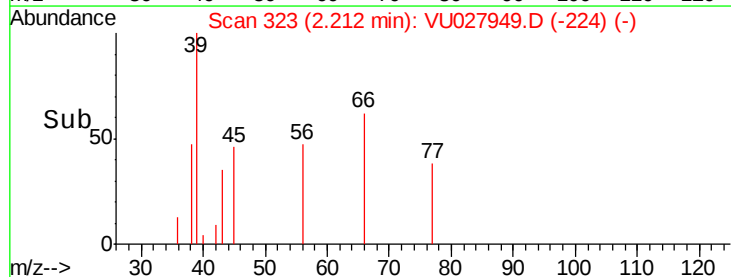
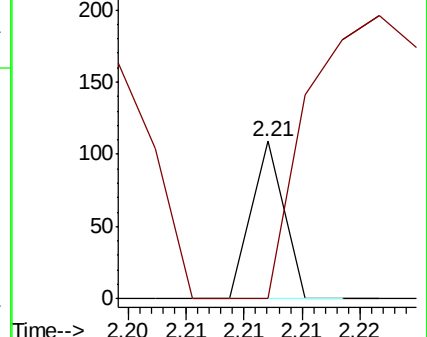
56 100

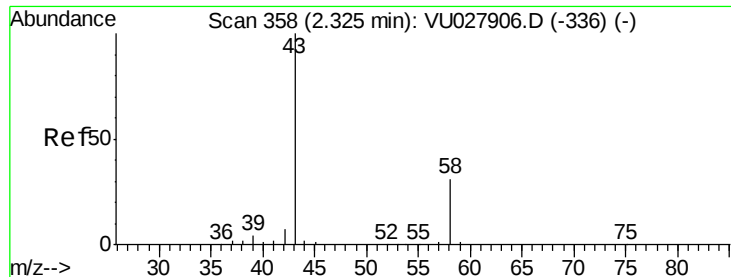
55 752.4 56.2 84.4#



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

Ion 55.00 (54.70 to 55.70): VU027949.D (-224) (-)





#16

Acetone

Concen: 5.178 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

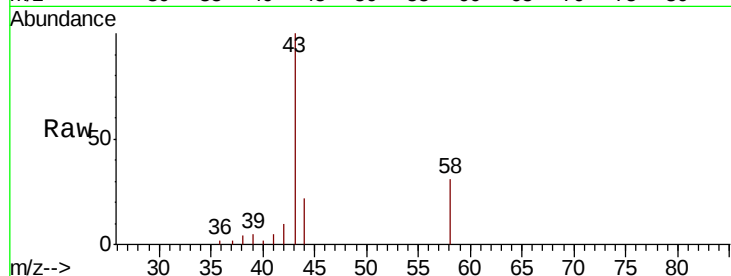
PB114473ZHE#04

Tot Ion: 43 Resp: 9266

Ion Ratio Lower Upper

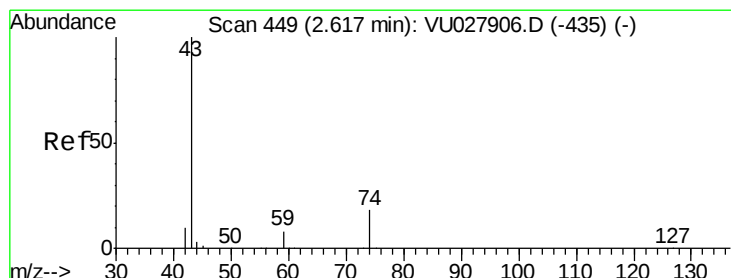
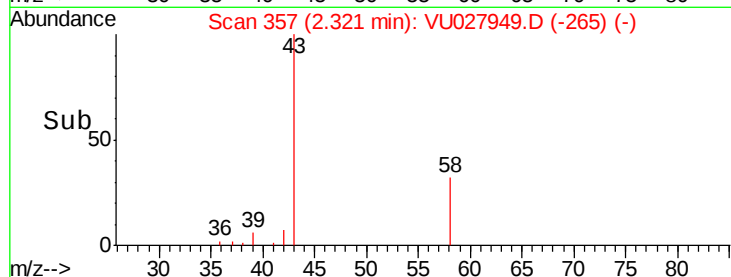
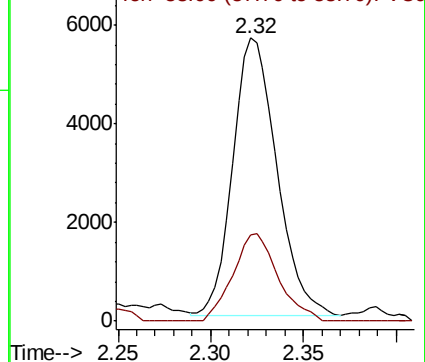
43 100

58 31.4 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: 1.080 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027949.D

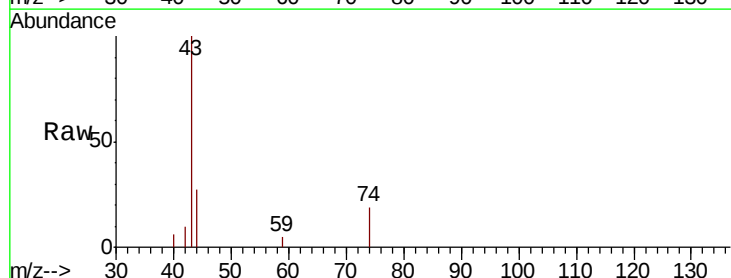
Acq: 05 Nov 2018 12:03

Tgt Ion: 43 Resp: 5318

Ion Ratio Lower Upper

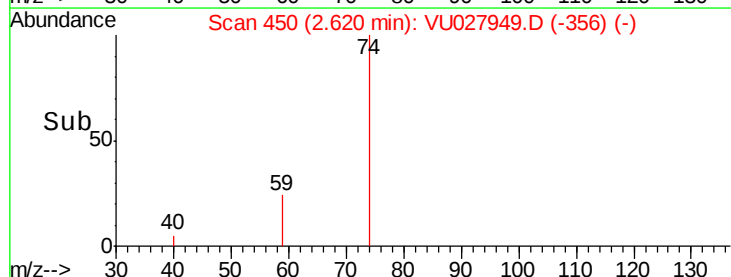
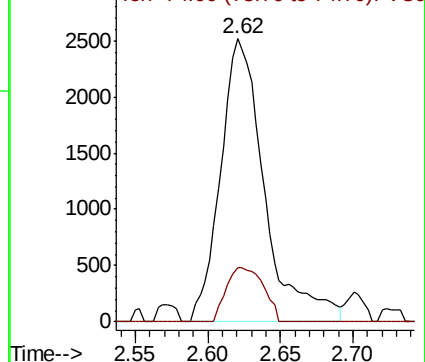
43 100

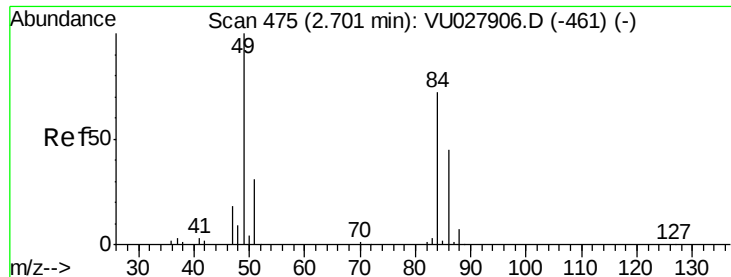
74 16.1 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

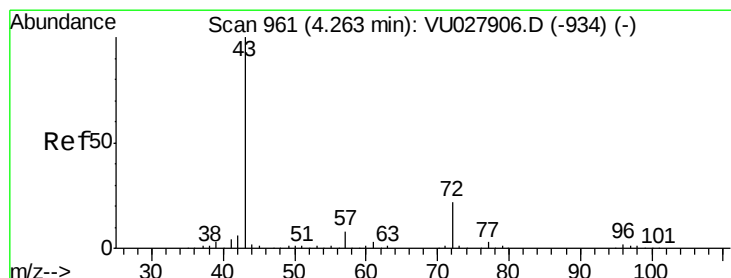
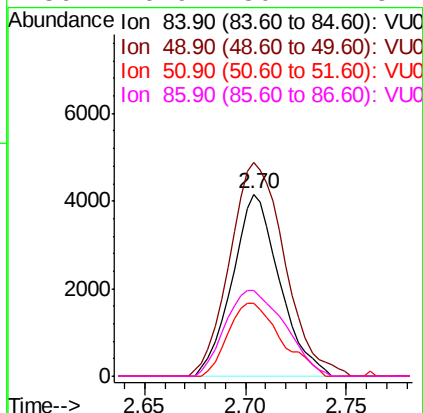
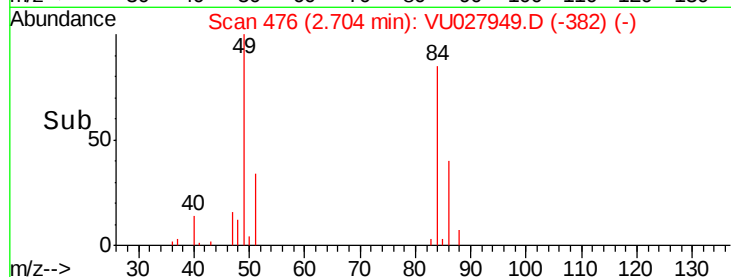
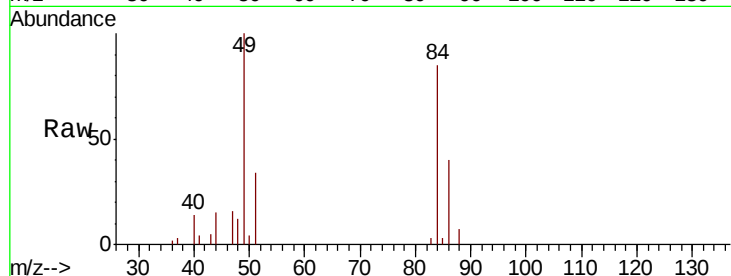




#20
Methvlene Chloride
Concen: 2.614 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

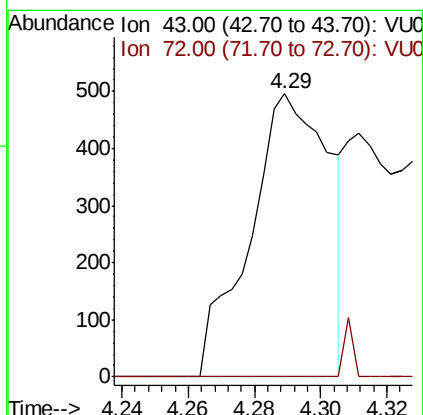
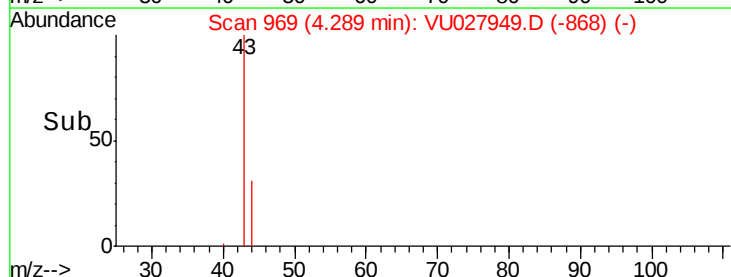
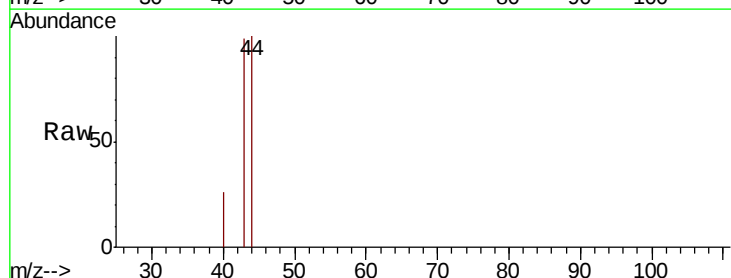
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#04

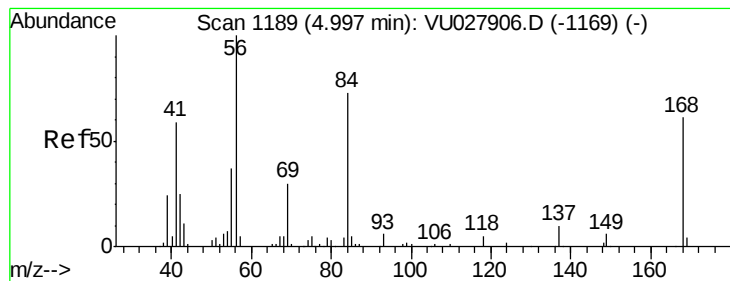
Tot Ion: 84 Resp: 6829
Ion Ratio Lower Upper
84 100
49 117.2 111.6 167.4
51 40.1 34.8 52.2
86 46.9 50.1 75.1#



#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#04

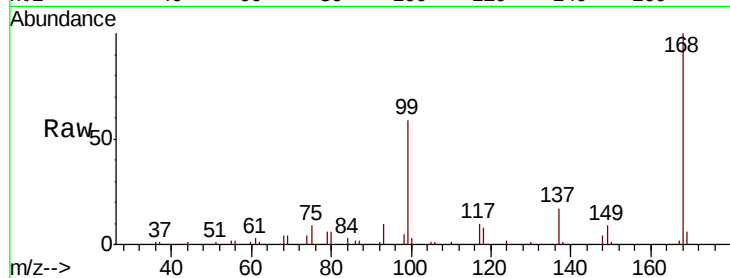
Tot Ion: 56 Resp: 4408

Ion Ratio Lower Upper

56 100

69 170.5 23.7 35.5#

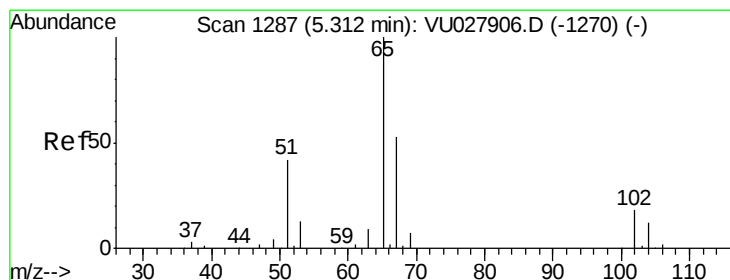
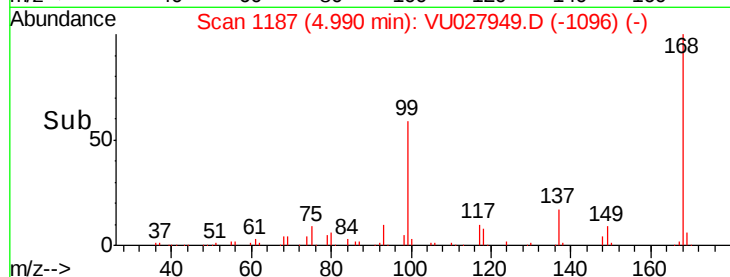
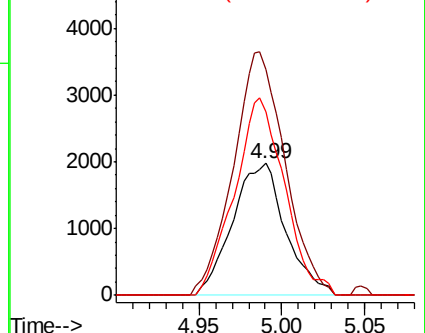
84 139.0 58.2 87.4#



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: 52.728 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027949.D

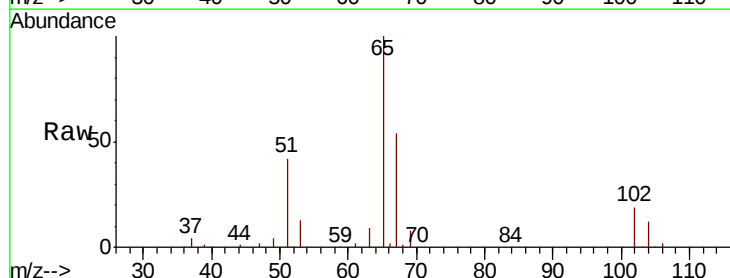
Acq: 05 Nov 2018 12:03

Tgt Ion: 65 Resp: 152068

Ion Ratio Lower Upper

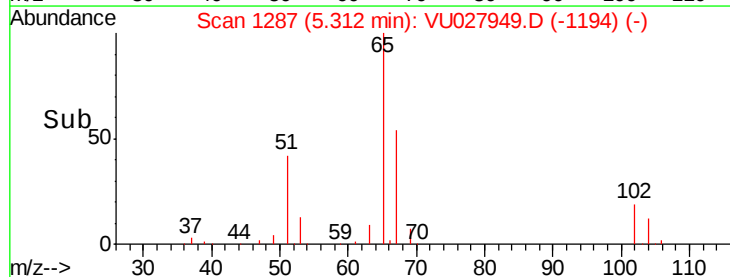
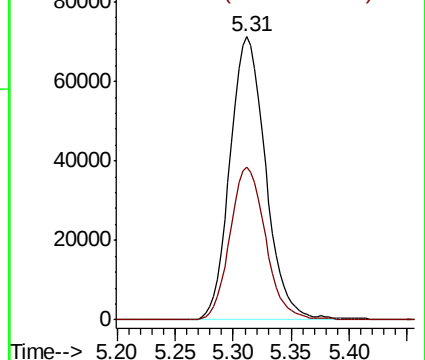
65 100

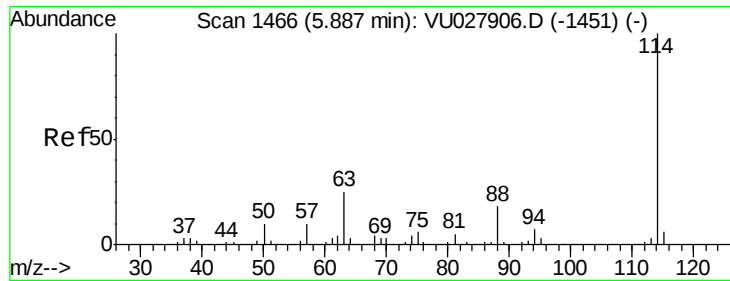
67 54.1 0.0 109.0



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

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

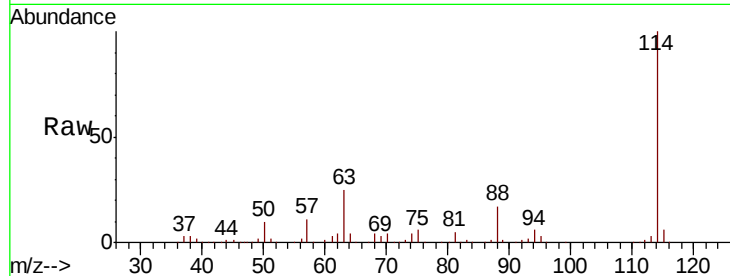




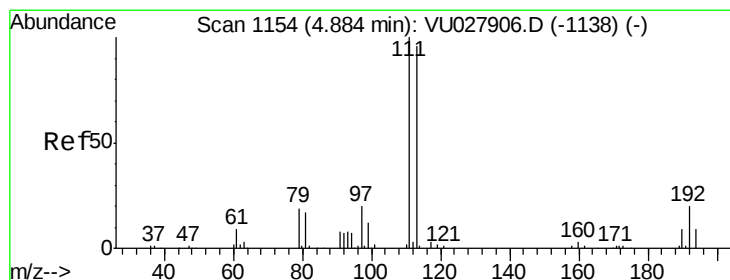
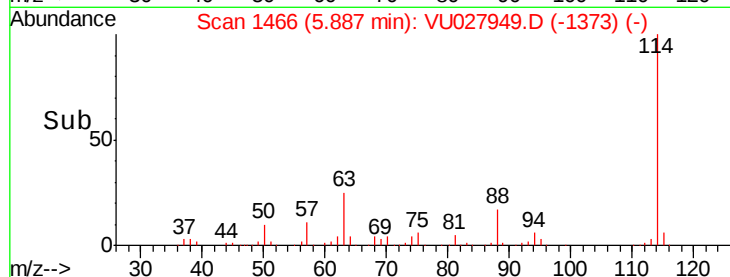
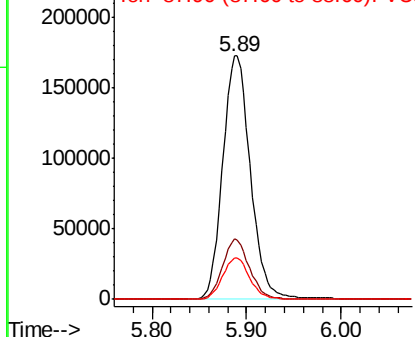
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#04

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	50.8
88	17.2	0.0	35.8

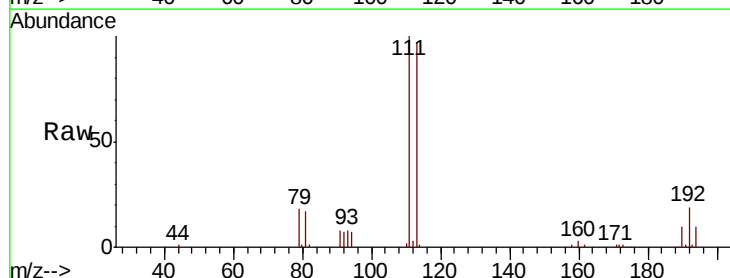


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

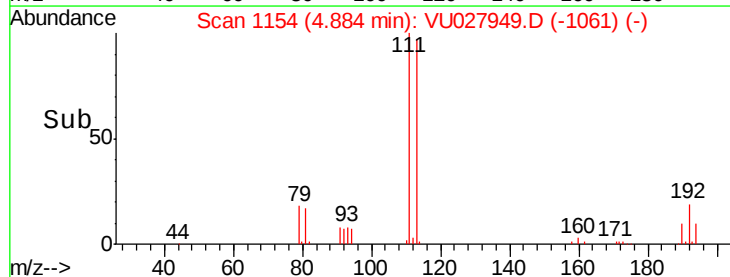
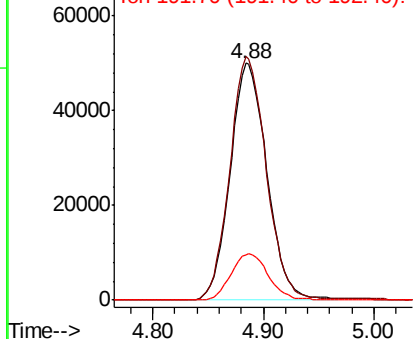


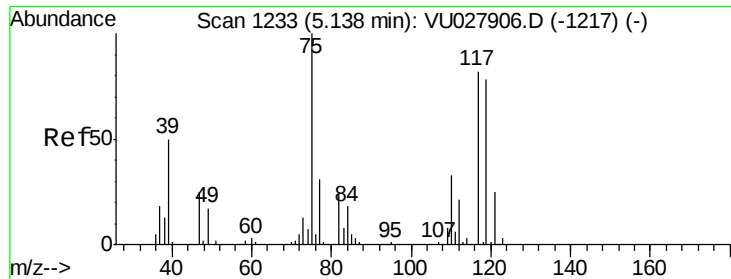
#35
 Dibromofluoromethane
 Concen: 52.298 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.6
192	19.8	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

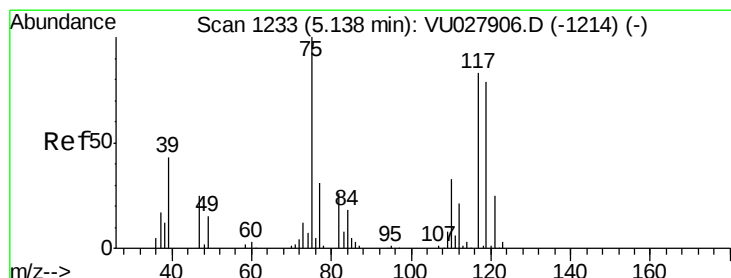
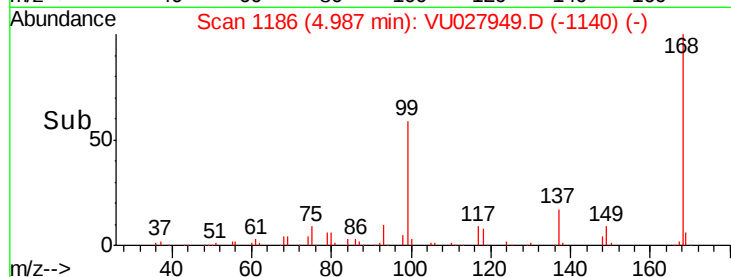
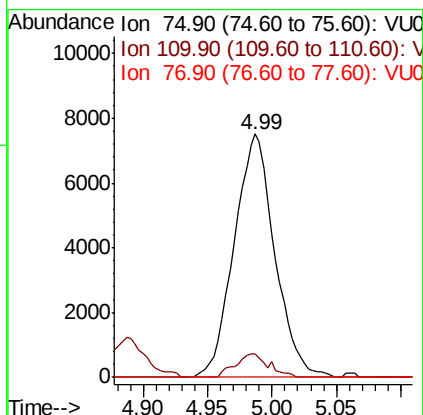
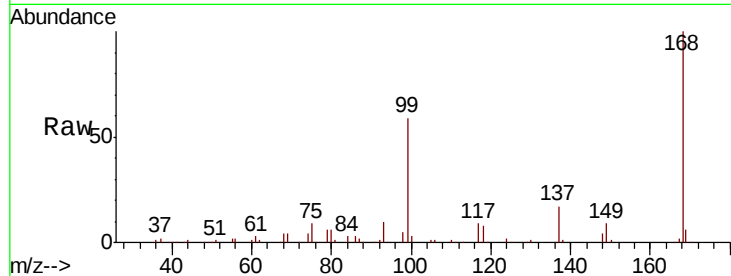




#36
 1,1-Dichloropropene
 Concen: 4.469 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

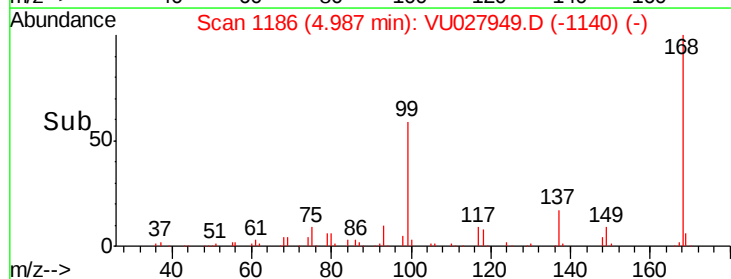
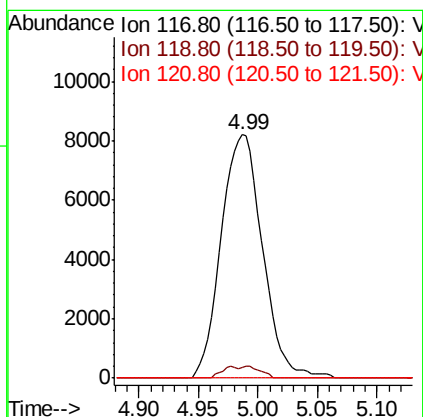
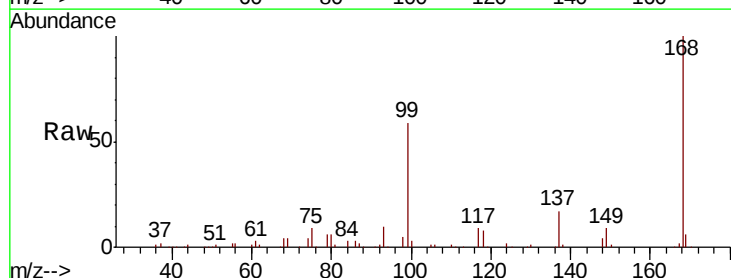
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#04

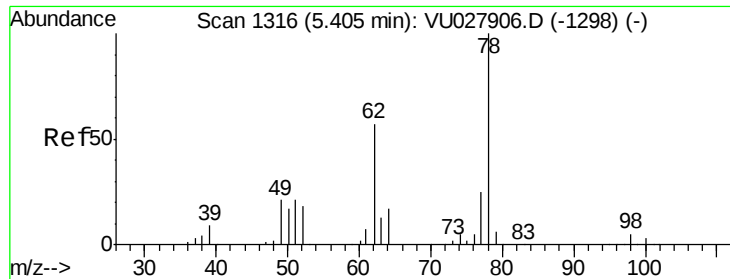
Tot Ion	75	Resp	16415
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.5	49.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Tgt Ion	117	Resp	19756
Ion Ratio	Lower	Upper	
117	100		
119	4.3	76.0	114.0#
121	0.0	24.5	36.7#





#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. 0.14 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

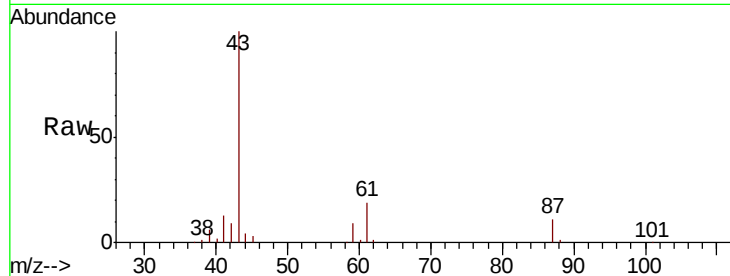
PB114473ZHE#04

Tot Ion: 62 Resp: 820

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

5.54

5.54

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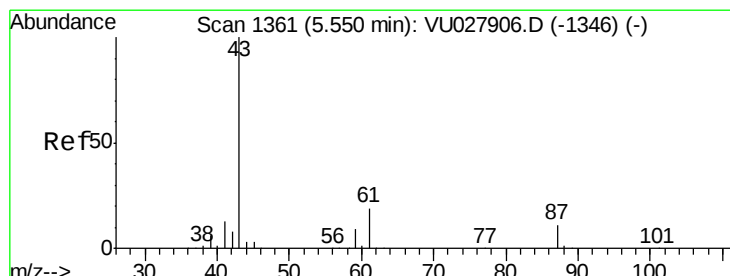
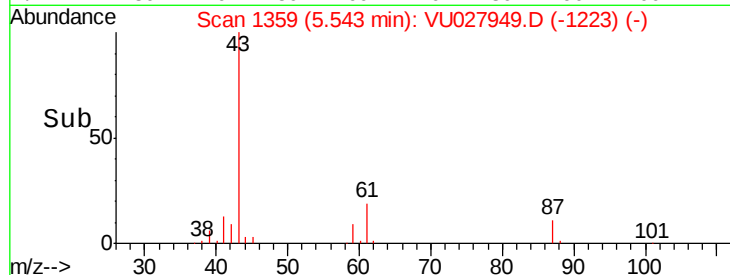
5.54

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#43

Isopropyl Acetate

Concen: 27.760 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

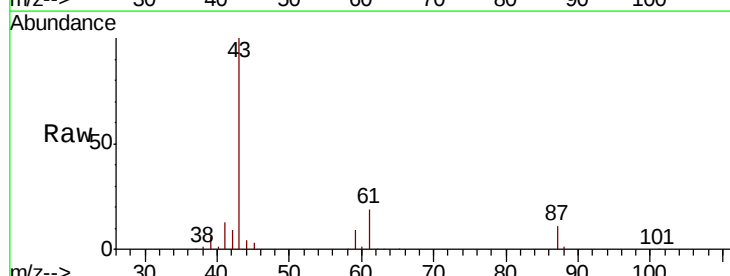
Tgt Ion: 43 Resp: 234069

Ion Ratio Lower Upper

43 100

61 19.0 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

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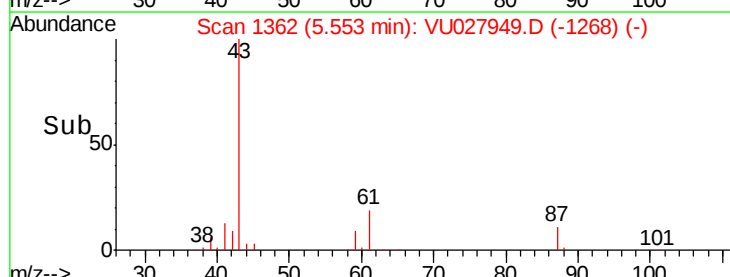
5.55

5.55

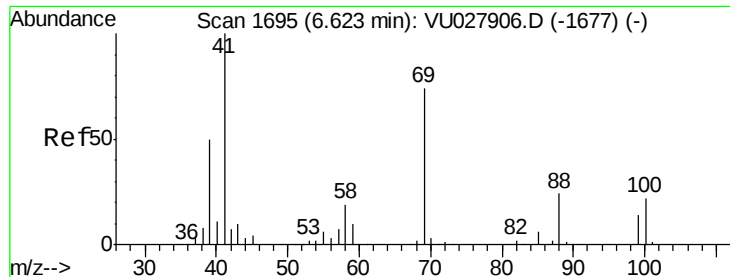
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5.55

5.55



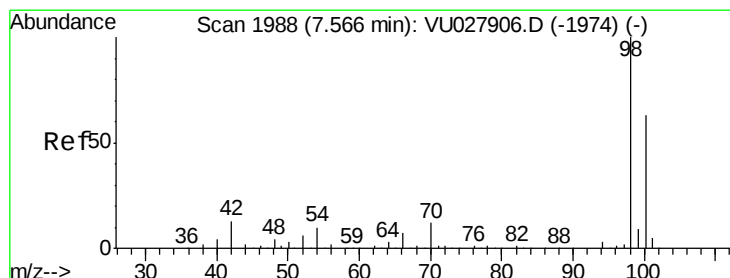
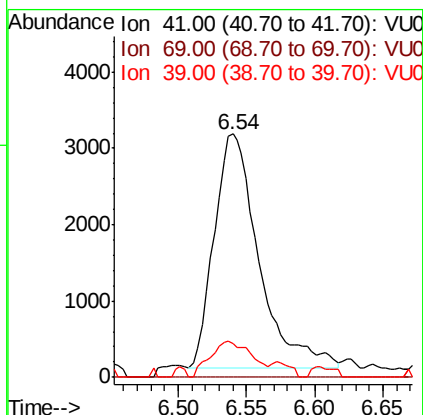
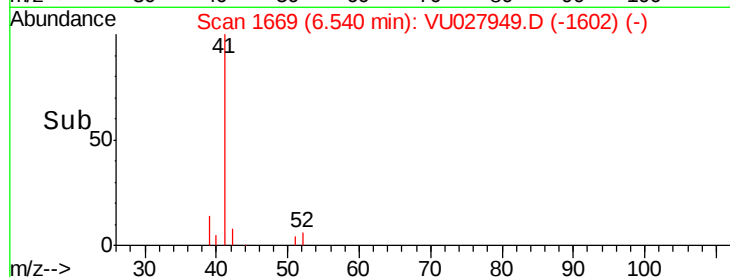
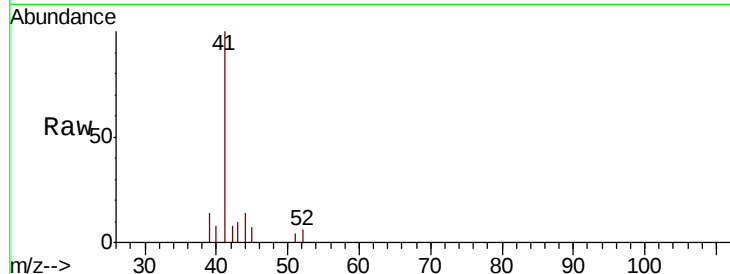
Time-->



#48
Methvl methacrylate
Concen: 1.682 ug/l
RT: 6.54 min Scan# 1669
Delta R.T. -0.08 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

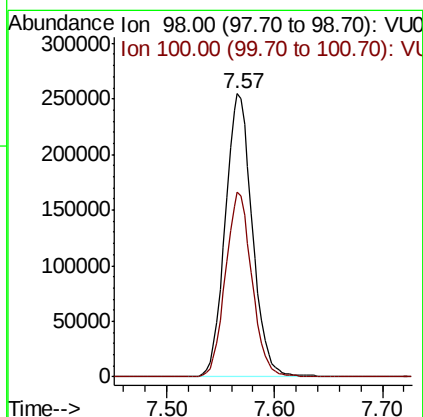
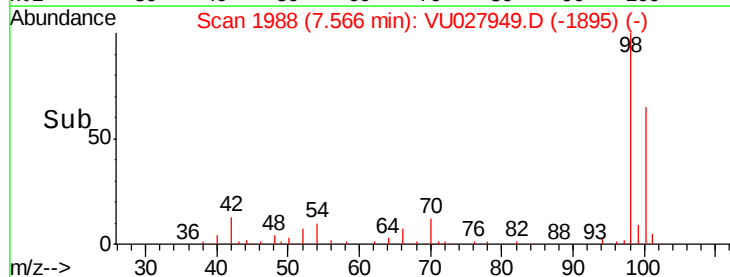
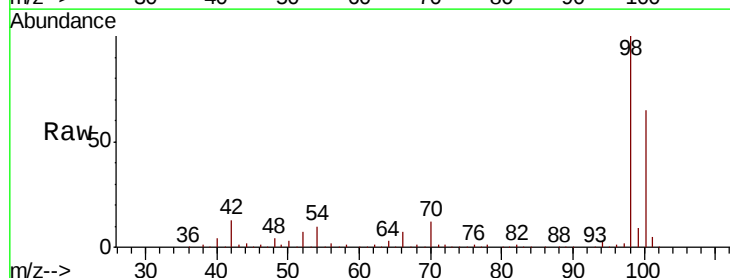
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#04

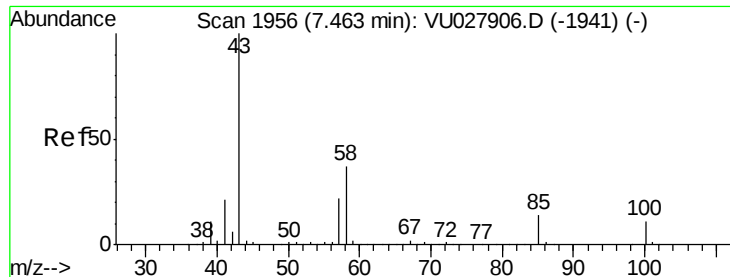
Tot Ion: 41 Resp: 6951
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 14.4 40.0 60.0#



#50
Toluene-d8
Concen: 52.098 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

Tgt Ion: 98 Resp: 445019
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.278 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

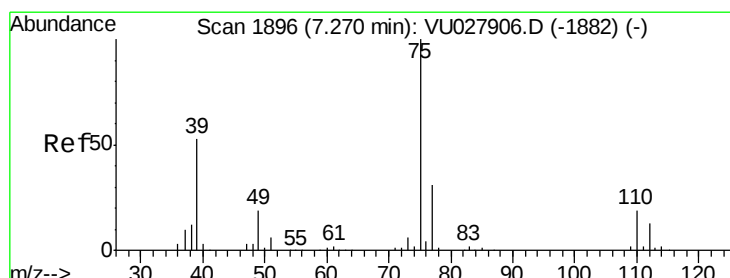
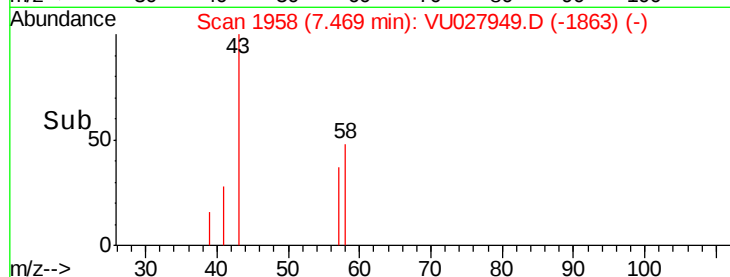
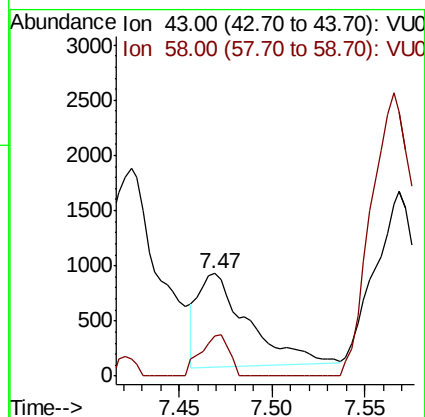
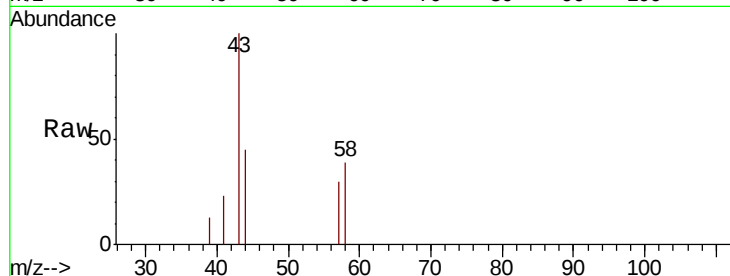
PB114473ZHE#04

Tot Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

58 25.4 29.5 44.3#



#54

cis-1,3-Dichloropropene

Concen: 0.288 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

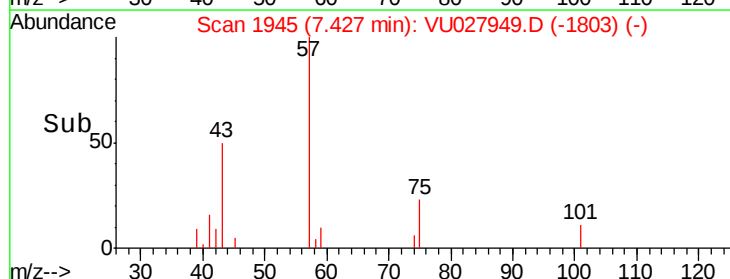
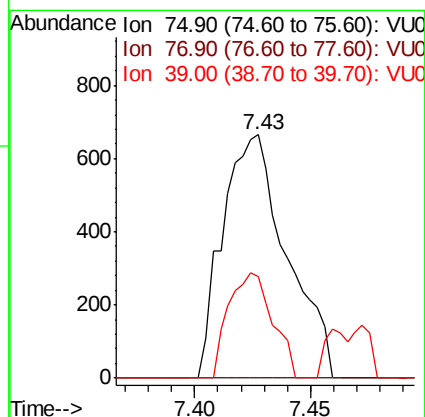
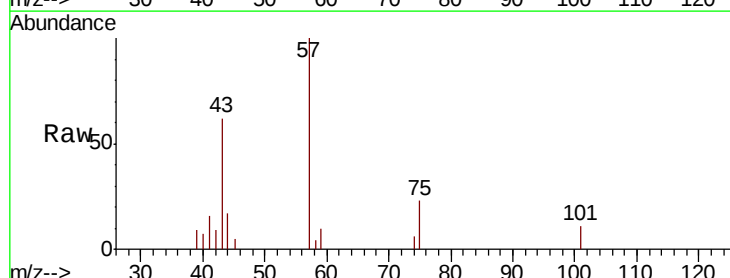
Tgt Ion: 75 Resp: 1272

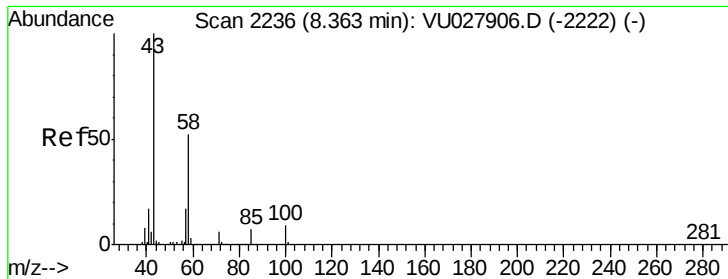
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 41.7 42.6 64.0#

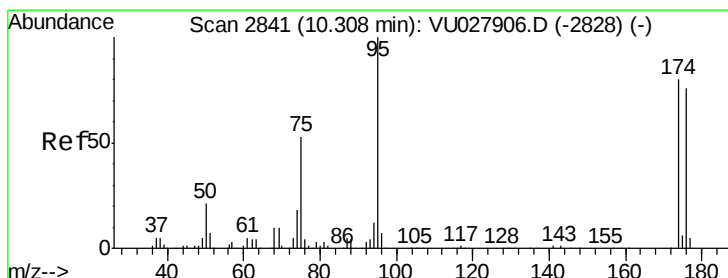
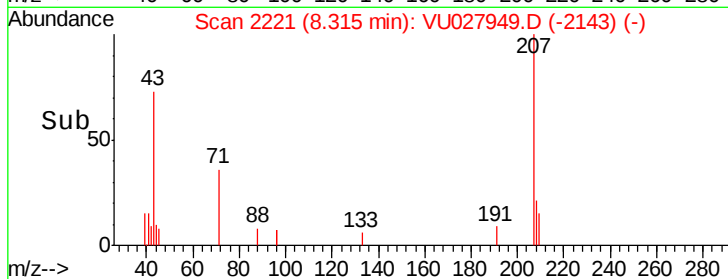
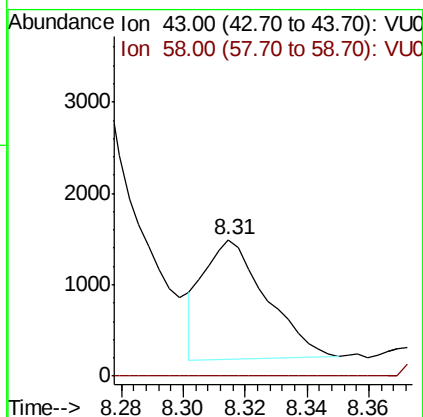
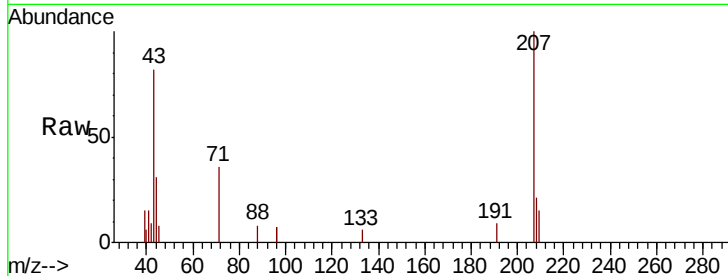




#59
2-Hexanone
Concen: 0.423 ug/l
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

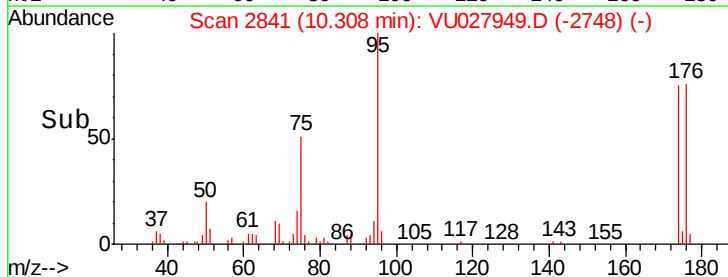
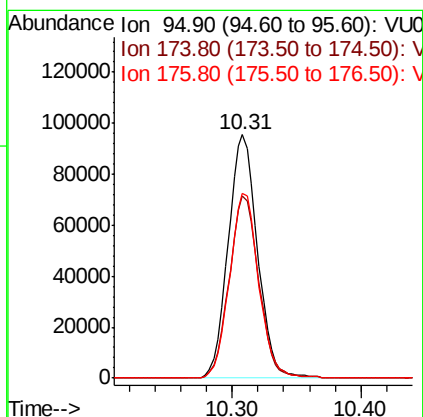
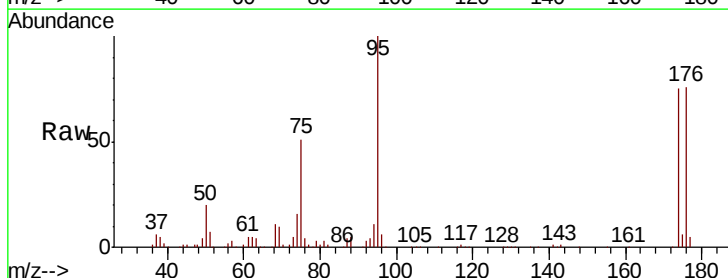
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#04

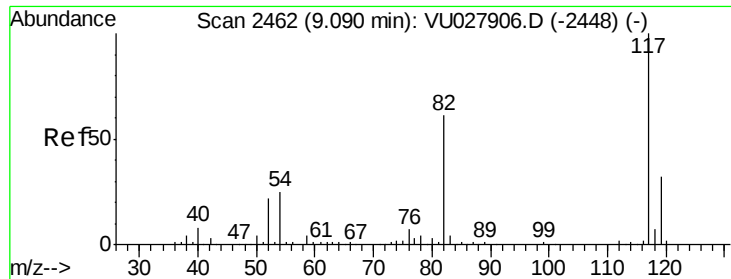
Tot Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.767 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

Tgt Ion: 95 Resp: 150496
Ion Ratio Lower Upper
95 100
174 75.7 0.0 156.4
176 75.7 0.0 150.8

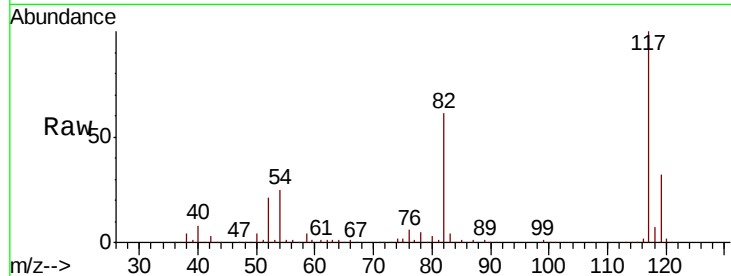




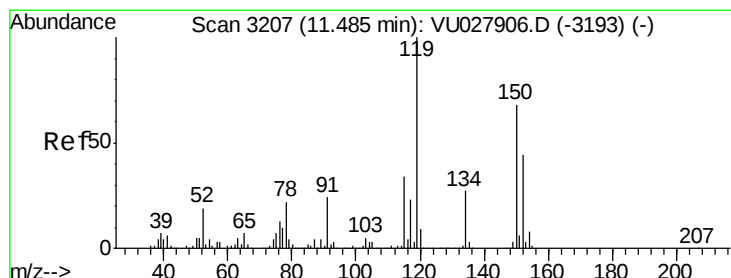
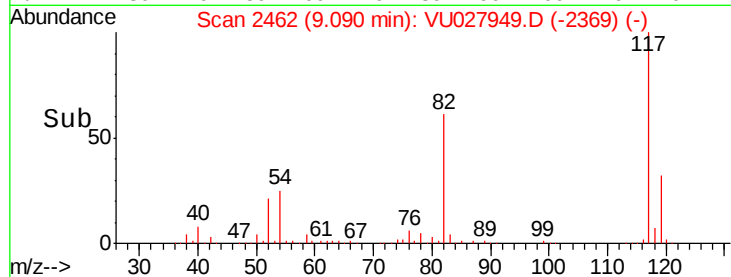
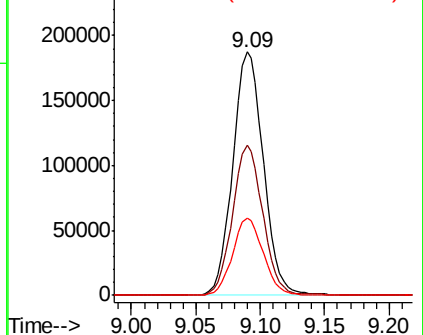
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#04

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.6	73.0
119	31.9	25.8	38.8

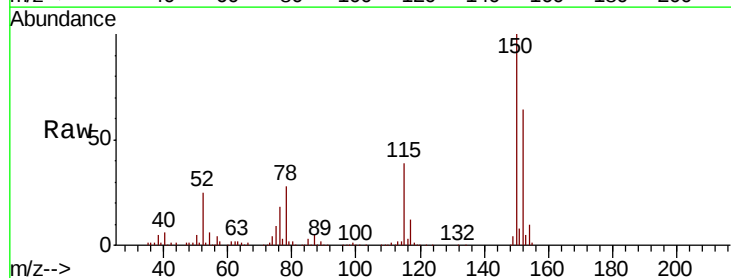


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

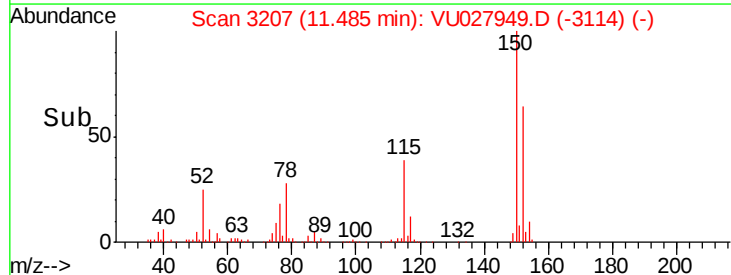
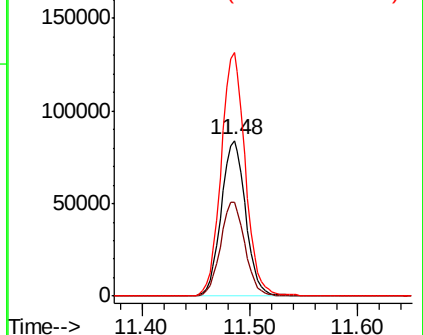


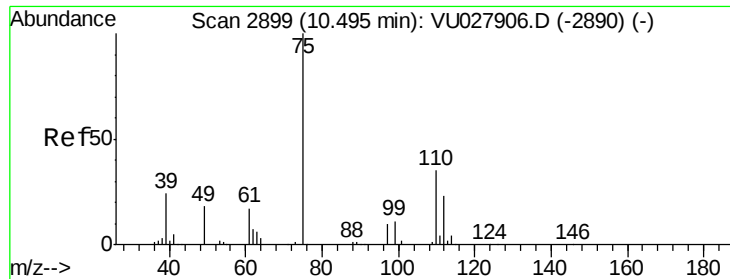
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	43.0	129.0
150	154.1	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

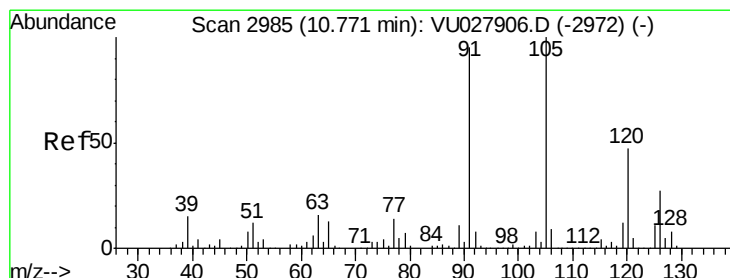
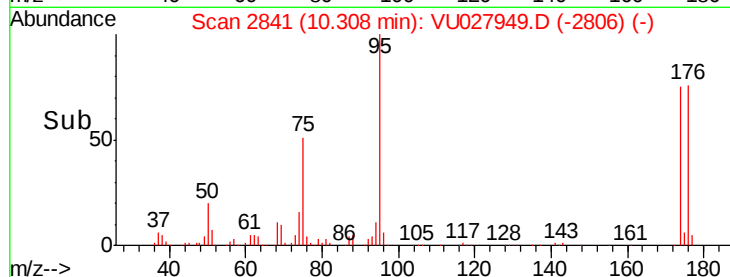
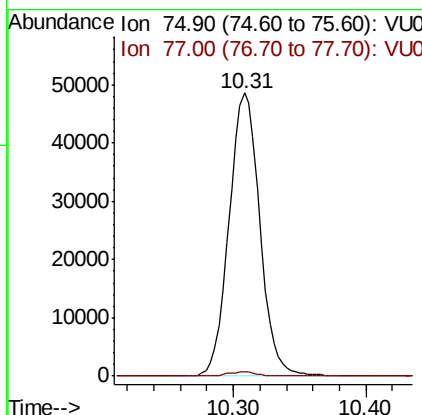
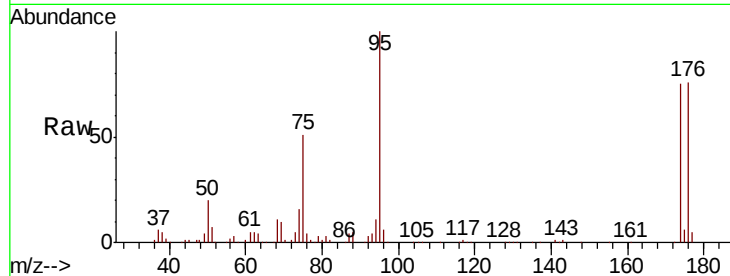




#76
 1,2,3-Trichloropropane
 Concen: 21.526 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

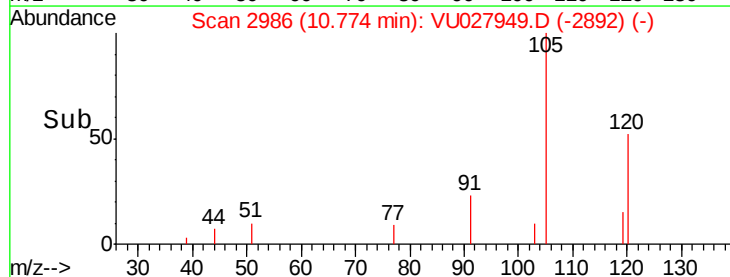
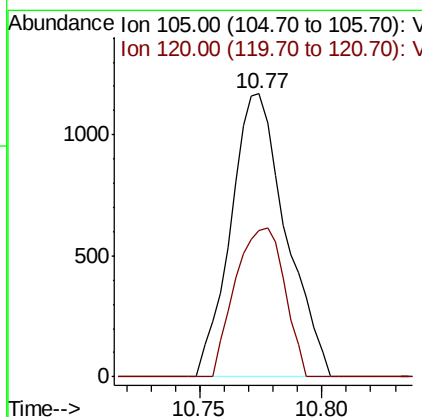
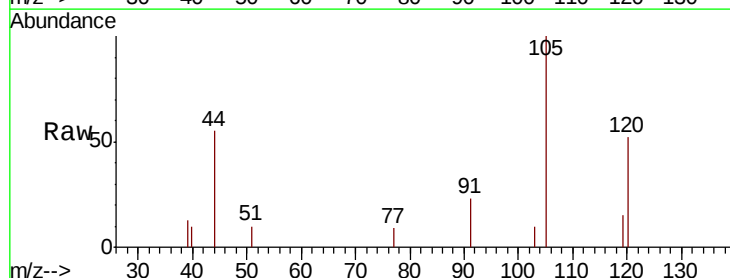
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#04

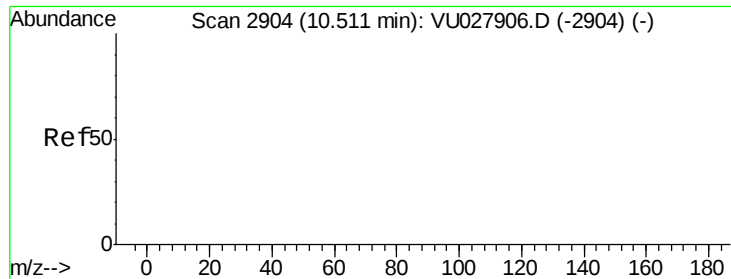
Tot Ion: 75 Resp: 78205
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.6 64.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.215 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027949.D
 Acq: 05 Nov 2018 12:03

Tgt Ion:105 Resp: 1832
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.9

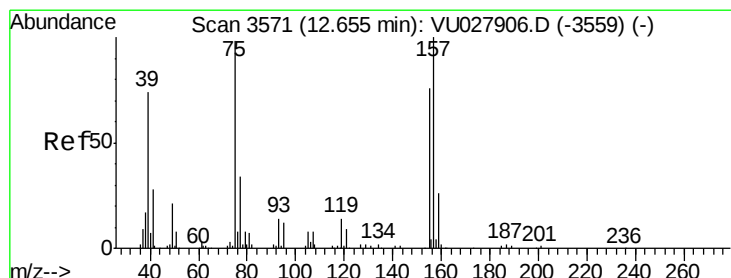
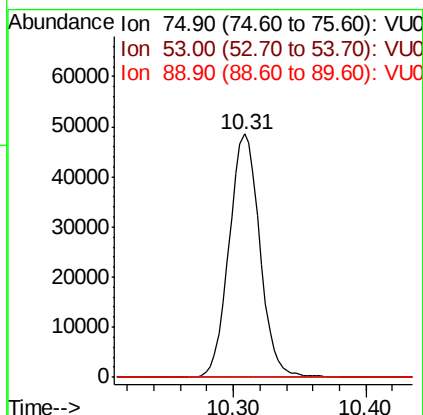
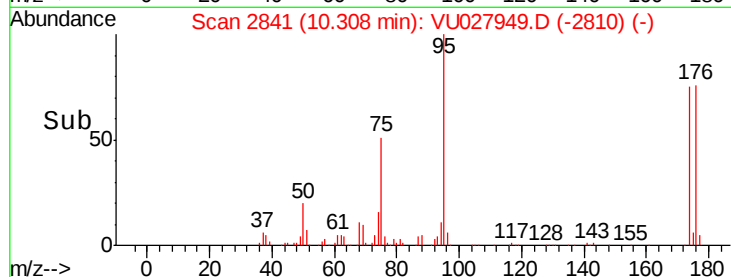
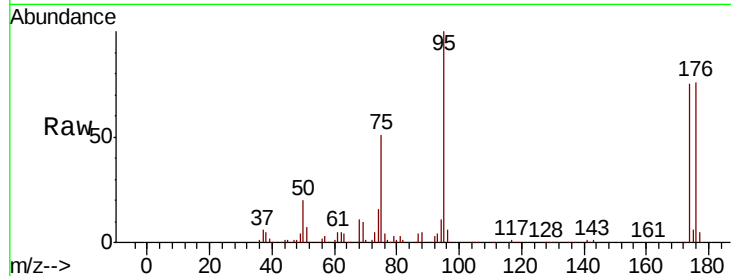




#81
trans-1,4-Dichloro-2-butene
Concen: 53.727 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

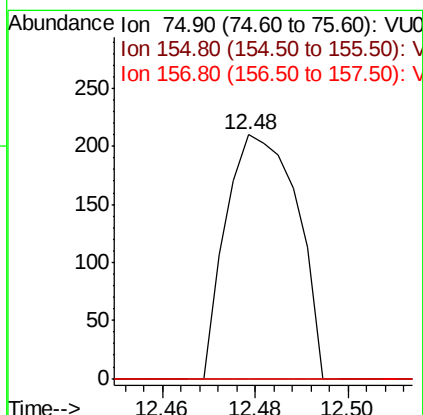
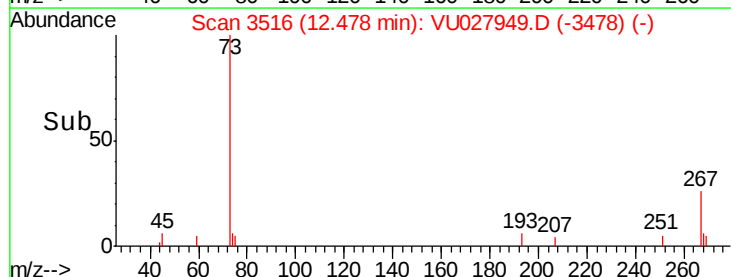
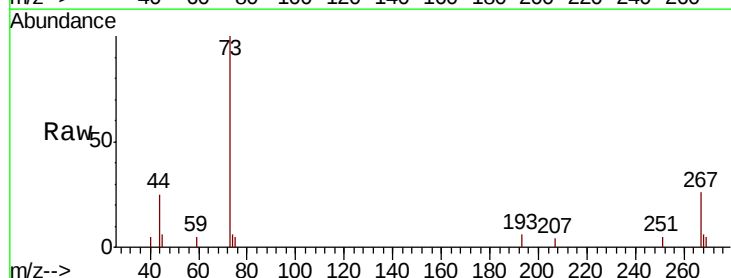
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#04

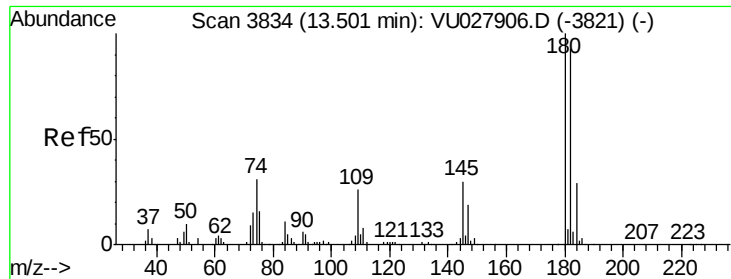
Tot Ion: 75 Resp: 78205
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.256 ug/l
RT: 12.48 min Scan# 3516
Delta R.T. -0.18 min
Lab File: VU027949.D
Acq: 05 Nov 2018 12:03

Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
155 0.0 39.8 119.3#
157 0.0 50.6 151.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.709 ug/l

RT: 13.52 min Scan# 3841

Delta R.T. 0.02 min

Lab File: VU027949.D

Acq: 05 Nov 2018 12:03

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#04

Tot Ion:180 Resp: 76

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.2#

145 0.0 14.9 44.5#

