

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029188.D
 Acq On : 15 Jan 2019 16:20
 Operator : JC/SP
 Sample : PB116371ZHE#10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

Quant Time: Jan 16 04:35:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	191759	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73142	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	76422	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	
35) Dibromofluoromethane	4.88	113	65376	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	7.56	98	251950	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	10.30	95	79075	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

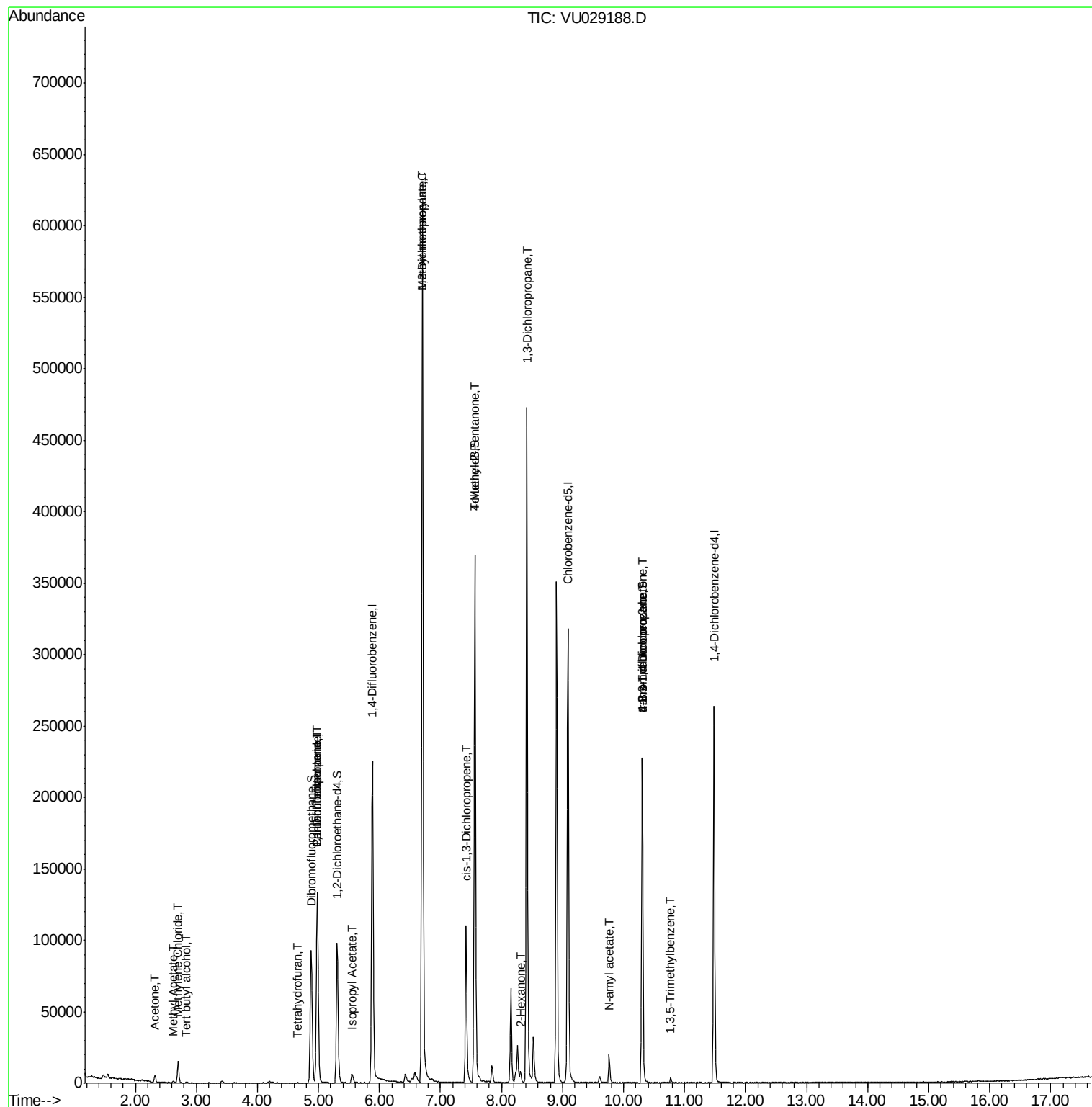
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	761	Below Cal		96
11) Tert butyl alcohol	2.84	59	471	1.389	ug/l #	73
16) Acetone	2.32	43	5944	7.074	ug/l	98
18) Methyl Acetate	2.62	43	1883	0.964	ug/l	92
20) Methylene Chloride	2.70	84	7087	4.967	ug/l	96
29) Tetrahydrofuran	4.66	42	162	0.235	ug/l #	30
31) Cyclohexane	4.98	56	1768	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7794	4.066	ug/l #	45
38) Carbon Tetrachloride	4.98	117	9514	5.951	ug/l #	18
43) Isopropyl Acetate	5.55	43	8096	2.509	ug/l	95
45) 1,2-Dichloropropane	6.71	63	609	0.386	ug/l #	43
48) Methyl methacrylate	6.70	41	52457	33.380	ug/l #	36
51) 4-Methyl-2-Pentanone	7.56	43	4758	2.166	ug/l	93
54) cis-1,3-Dichloropropene	7.42	75	20905	8.667	ug/l #	60
57) 1,3-Dichloropropane	8.41	76	4541	1.820	ug/l #	42
59) 2-Hexanone	8.31	43	6059	3.514	ug/l #	21
74) N-amyl acetate	9.76	43	6392	2.740	ug/l #	47
76) 1,2,3-Trichloropropane	10.30	75	37333	20.832	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	2641	0.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.30	75	37333	53.727	ug/l #	100

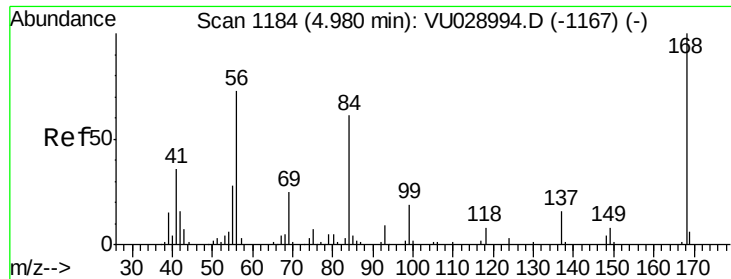
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

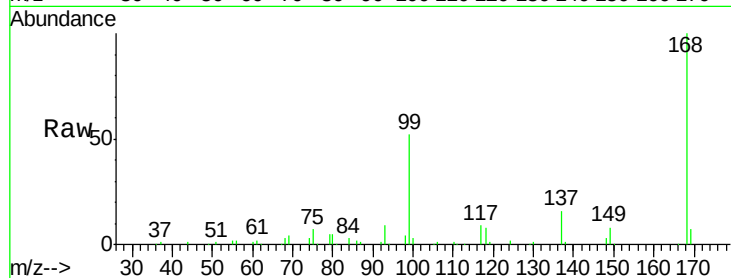
PB116371ZHE#10

Tot Ion:168 Resp: 107902

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

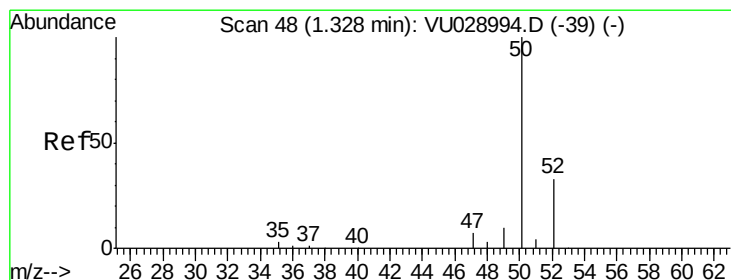
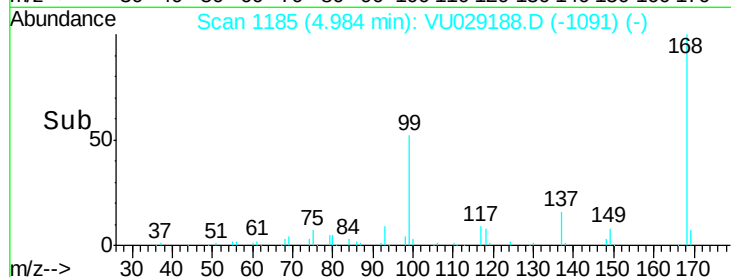
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029188.D

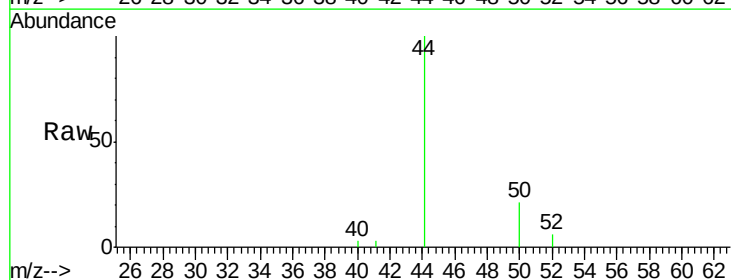
Acq: 15 Jan 2019 16:20

Tgt Ion: 50 Resp: 761

Ion Ratio Lower Upper

50 100

52 30.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

800

600

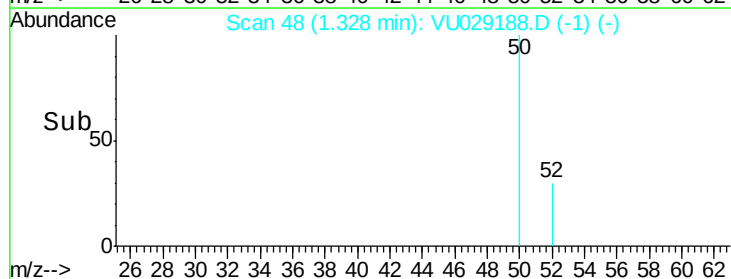
400

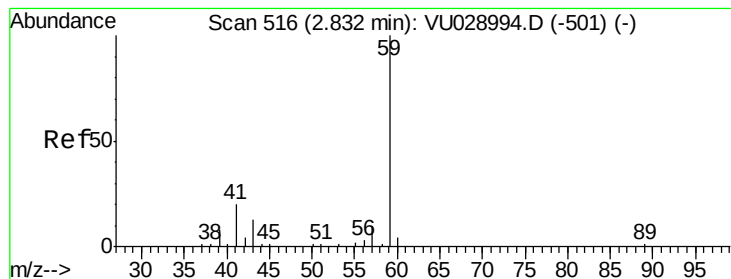
200

0

1.30 1.32 1.34 1.36

Time-->





#11

Tert butyl alcohol

Concen: 1.389 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

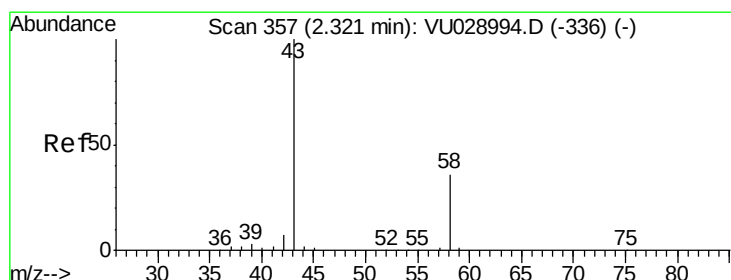
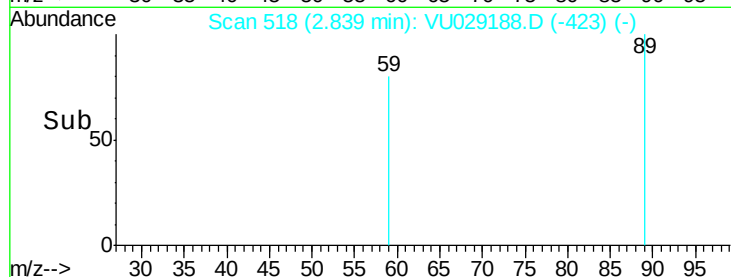
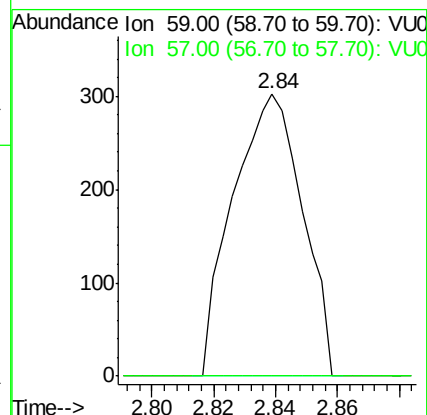
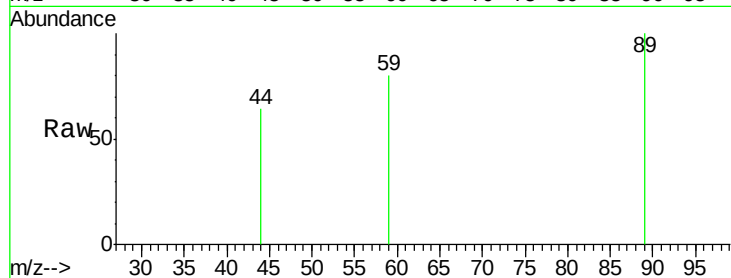
PB116371ZHE#10

Tot Ion: 59 Resp: 471

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#16

Acetone

Concen: 7.074 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029188.D

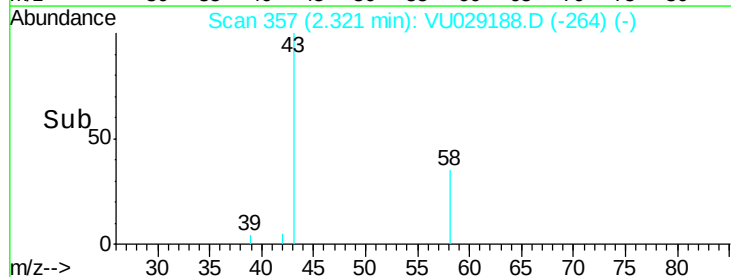
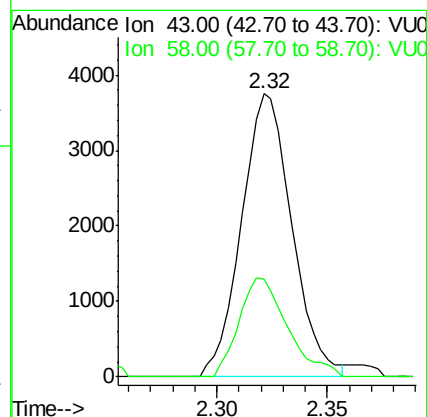
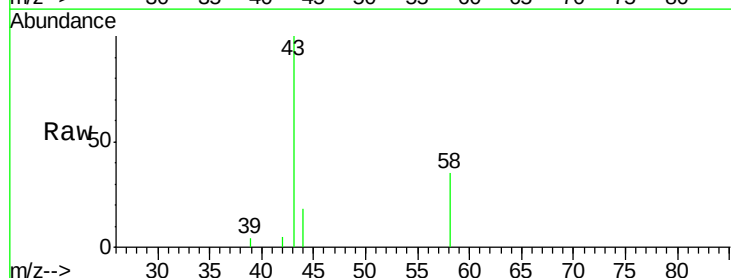
Acq: 15 Jan 2019 16:20

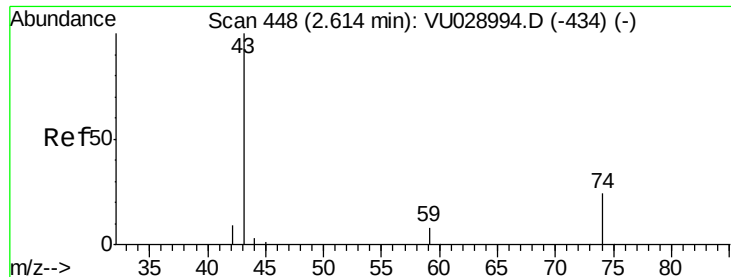
Tgt Ion: 43 Resp: 5944

Ion Ratio Lower Upper

43 100

58 34.7 28.6 42.8





#18

Methyl Acetate

Concen: 0.964 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

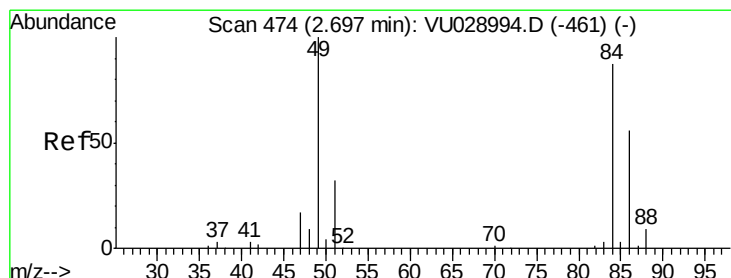
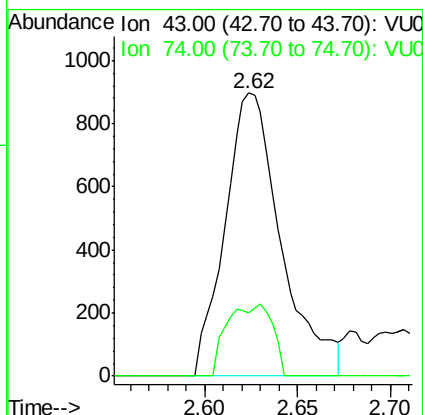
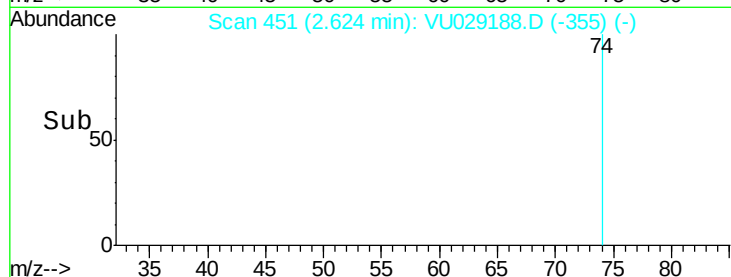
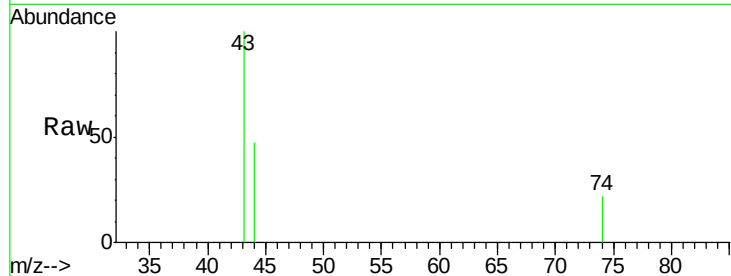
PB116371ZHE#10

Tot Ion: 43 Resp: 1883

Ion Ratio Lower Upper

43 100

74 20.7 19.5 29.3



#20

Methylene Chloride

Concen: 4.967 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Tgt Ion: 84 Resp: 7087

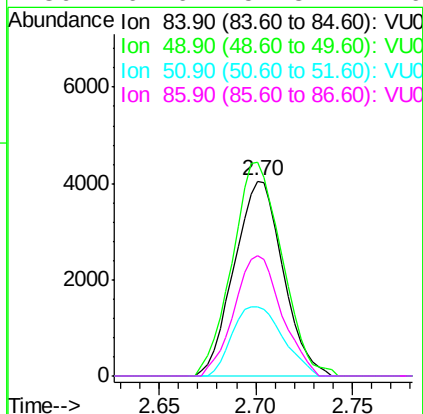
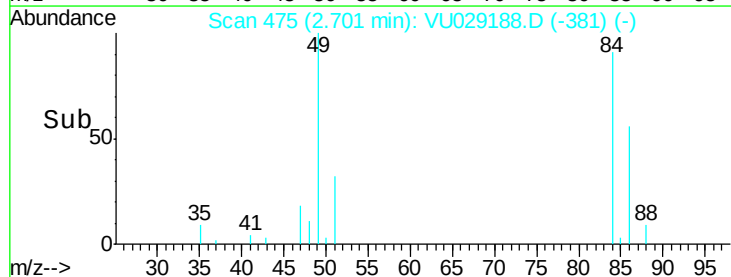
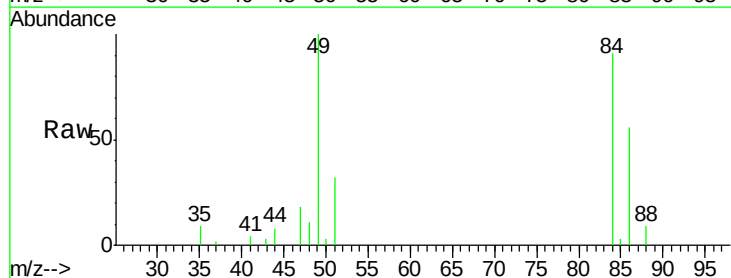
Ion Ratio Lower Upper

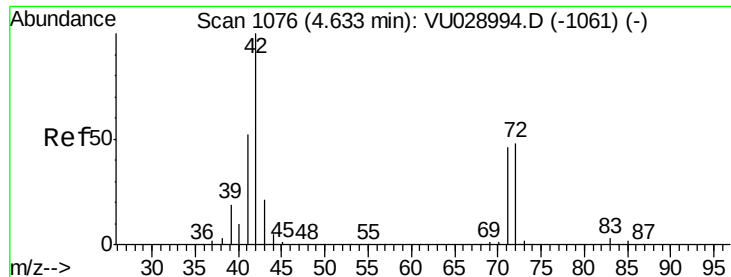
84 100

49 109.5 91.9 137.9

51 35.4 29.2 43.8

86 61.6 51.8 77.6





#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

PB116371ZHE#10

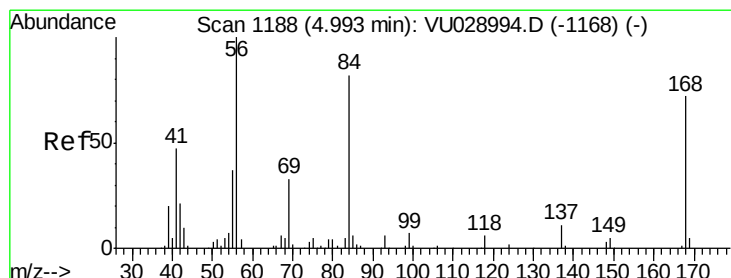
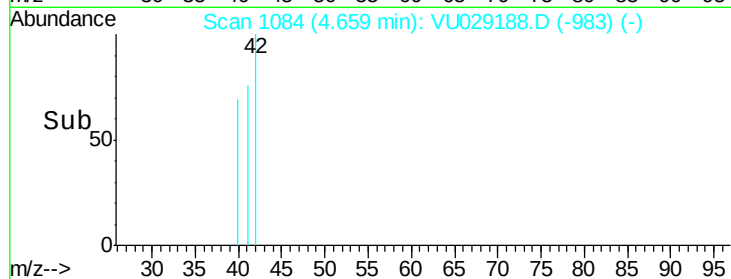
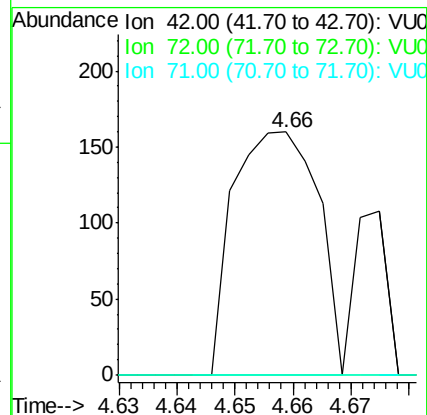
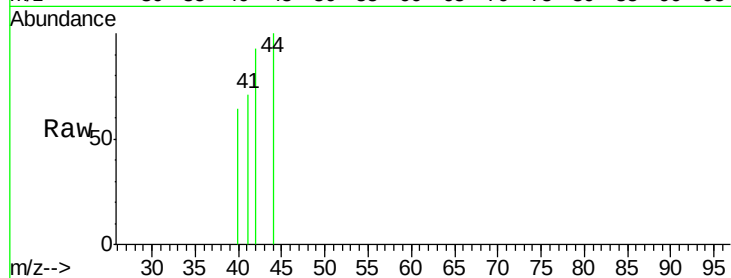
Tot Ion: 42 Resp: 162

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

71 0.0 36.1 54.1#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

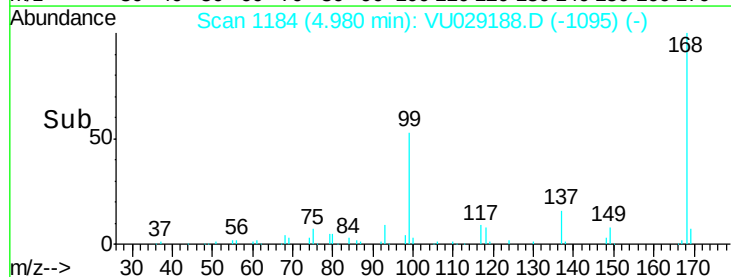
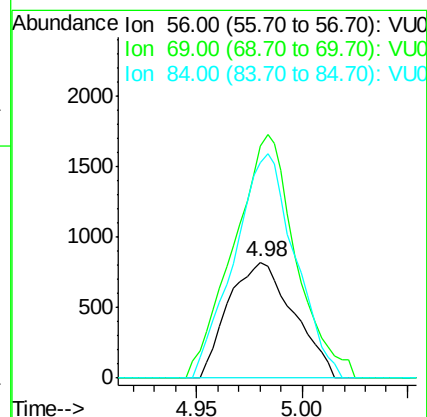
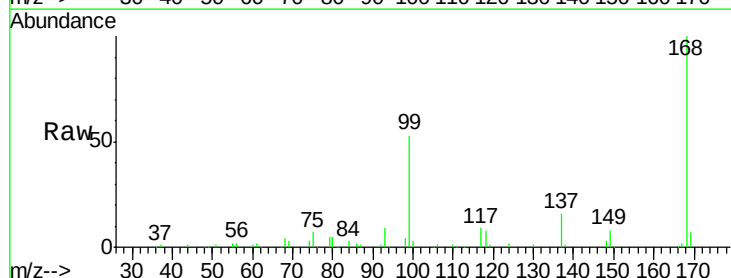
Tgt Ion: 56 Resp: 1768

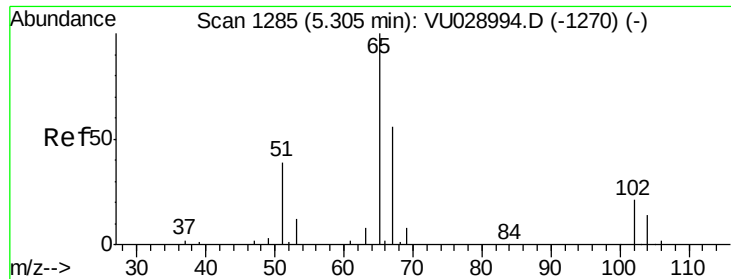
Ion Ratio Lower Upper

56 100

69 186.5 26.7 40.1#

84 186.7 65.7 98.5#

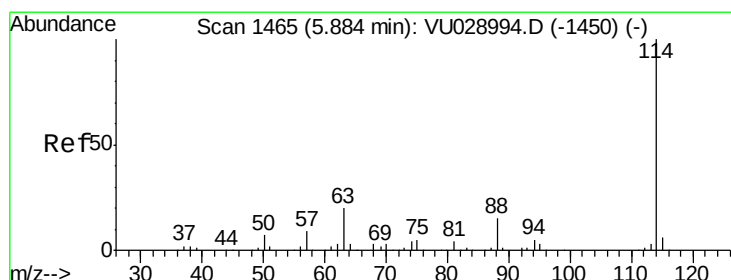
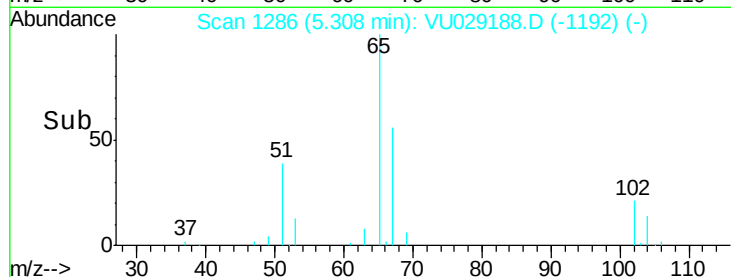
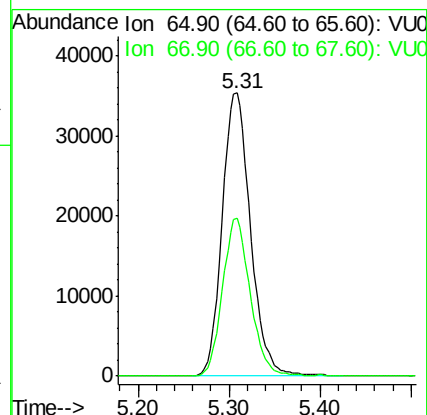
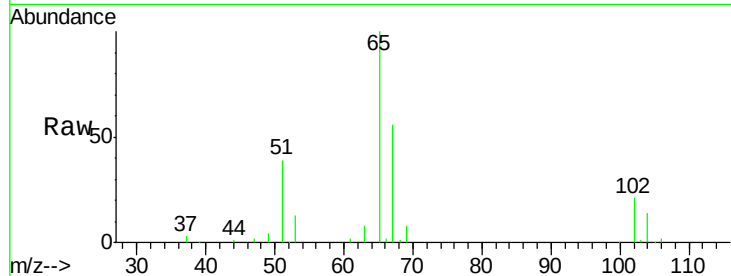




#33
 1,2-Dichloroethane-d4
 Concen: 57.293 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

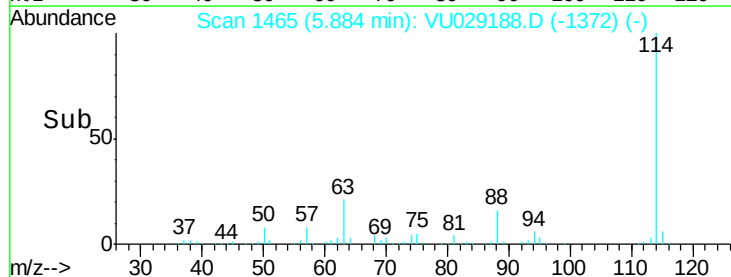
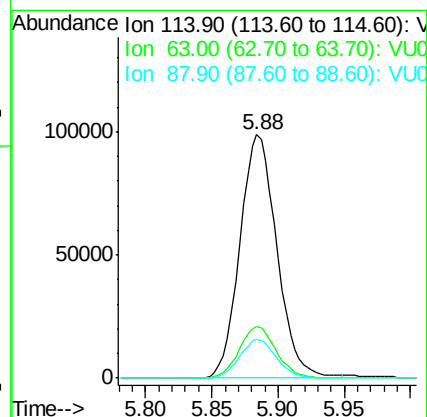
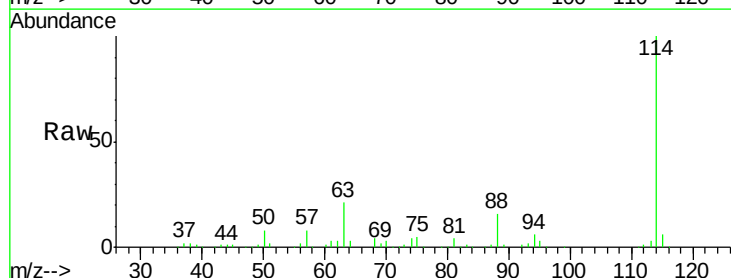
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

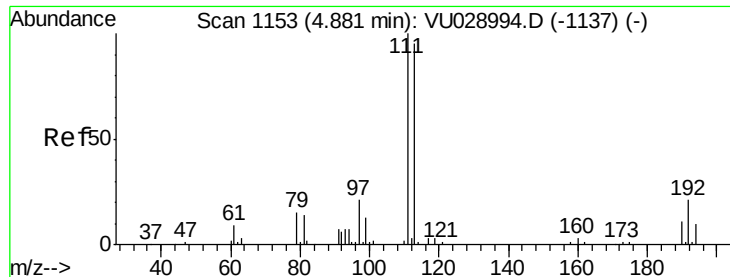
Tot Ion: 65 Resp: 76422
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion: 114 Resp: 191759
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.2
 88 15.9 0.0 30.4

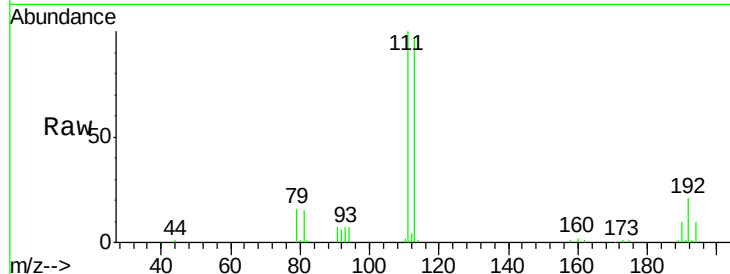




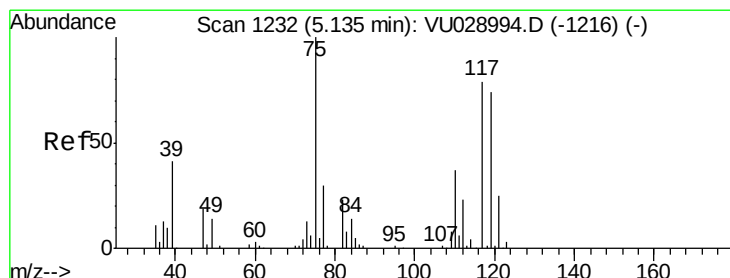
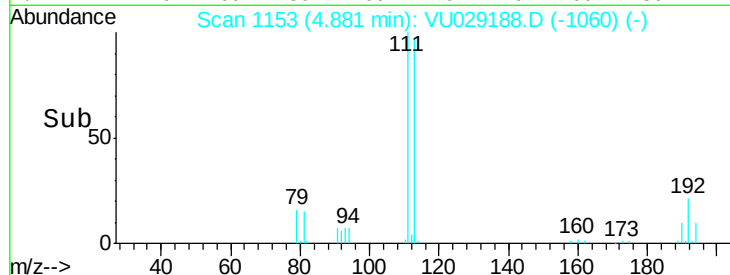
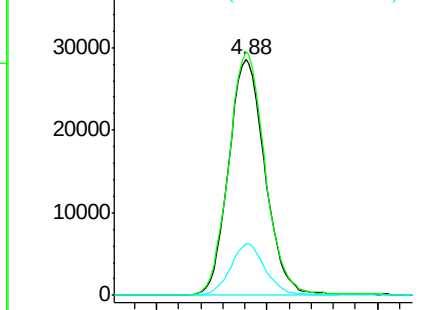
#35
 Dibromofluoromethane
 Concen: 52.594 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	20.9	16.8	25.2

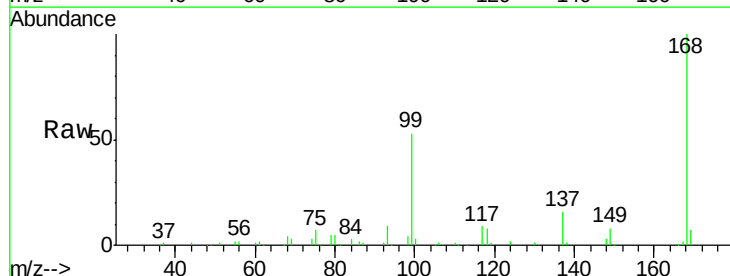


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

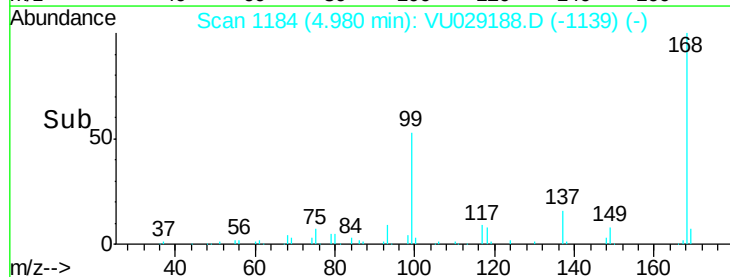
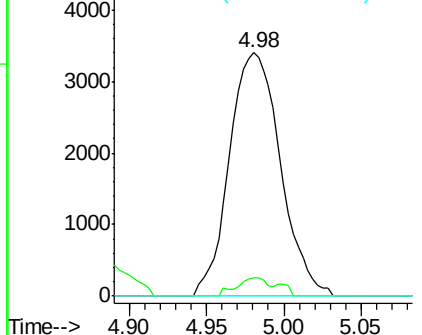


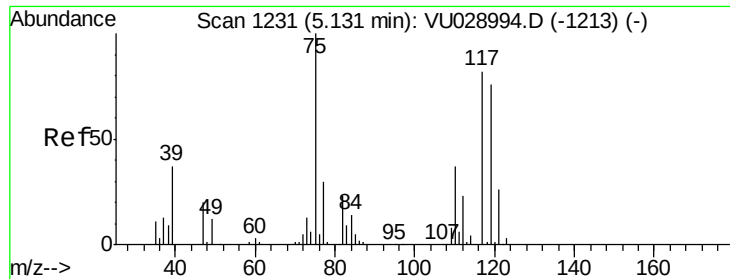
#36
 1,1-Dichloropropene
 Concen: 4.066 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.7	18.4	55.4#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

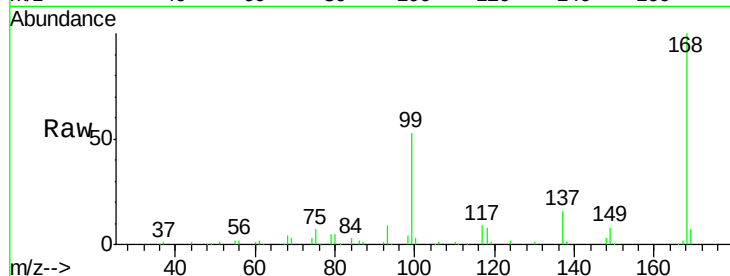




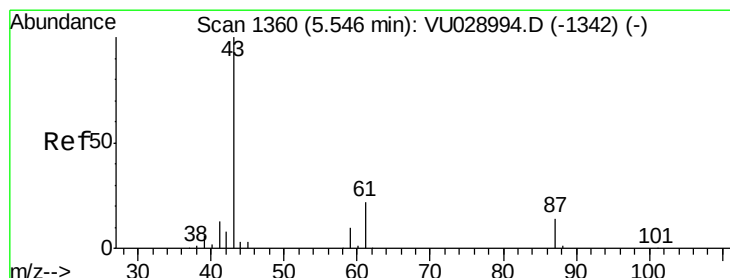
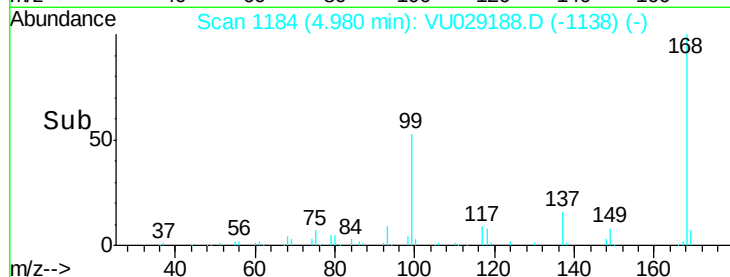
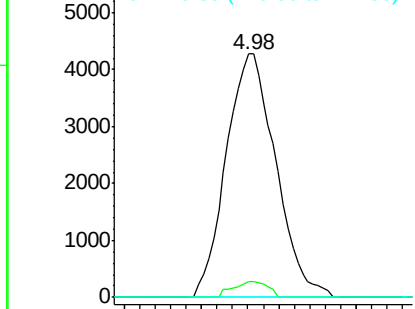
#38
 Carbon Tetrachloride
 Concen: 5.951 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

Tot Ion:117 Resp: 9514
 Ion Ratio Lower Upper
 117 100
 119 6.4 74.6 111.8#
 121 0.0 25.0 37.6#

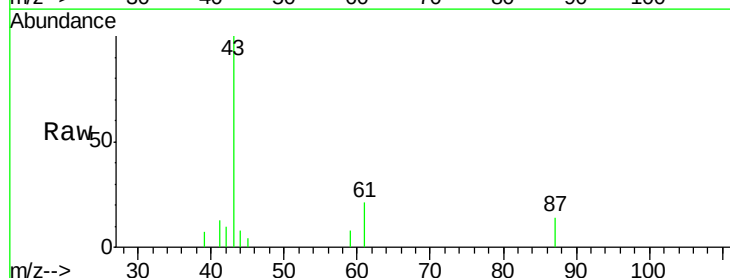


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

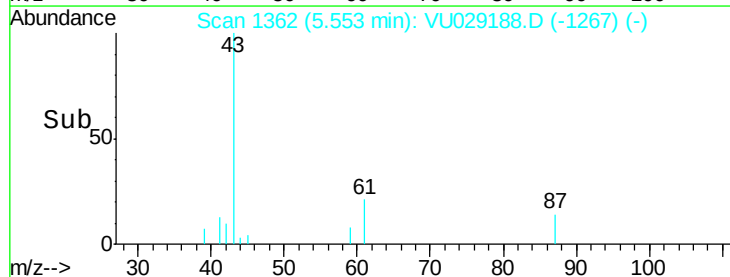
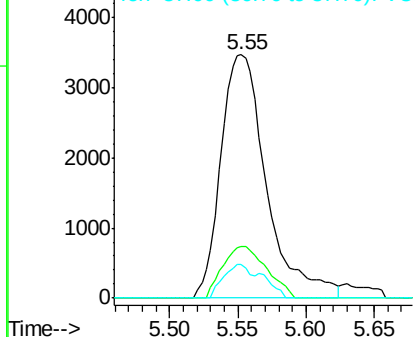


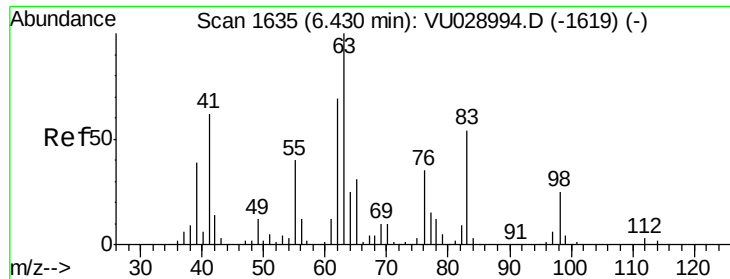
#43
 Isopropyl Acetate
 Concen: 2.509 ug/l
 RT: 5.55 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion: 43 Resp: 8096
 Ion Ratio Lower Upper
 43 100
 61 20.2 17.8 26.6
 87 11.8 11.3 16.9



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

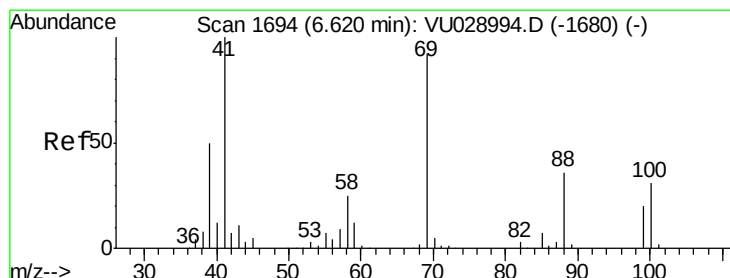
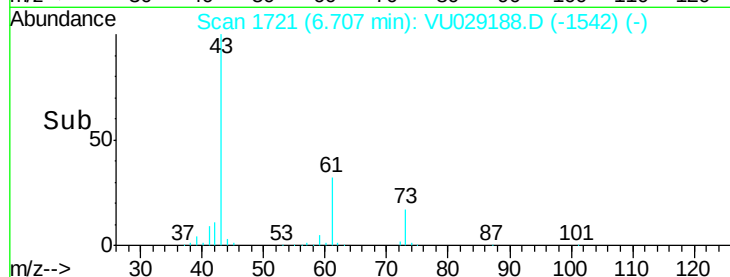
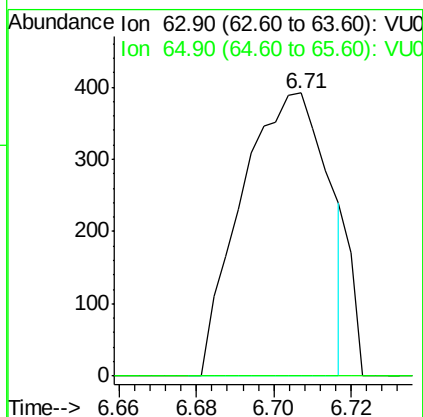
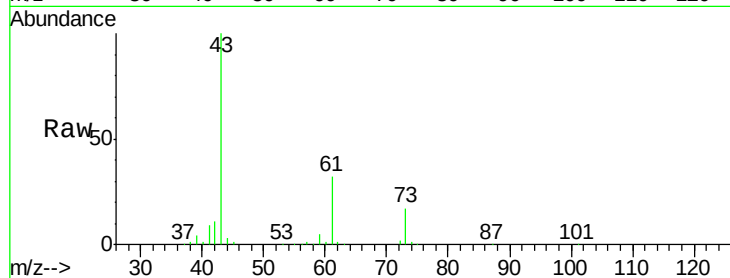




#45
 1,2-Dichloropropane
 Concen: 0.386 ug/l
 RT: 6.71 min Scan# 1721
 Delta R.T. 0.28 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

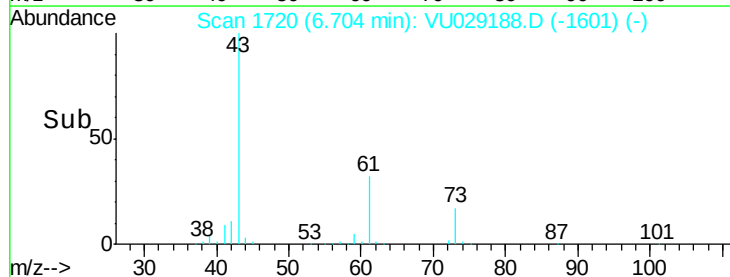
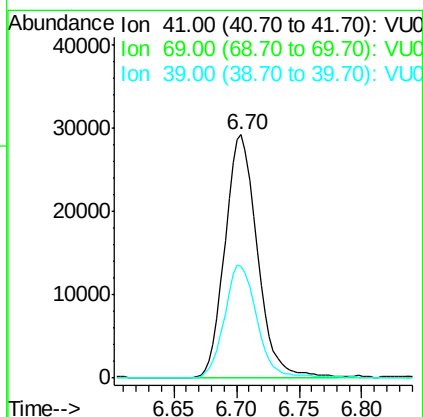
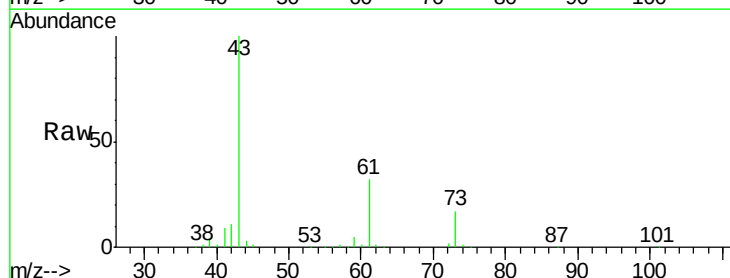
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

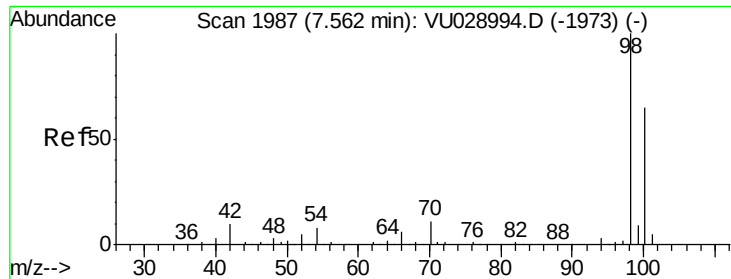
Tot Ion: 63 Resp: 609
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 33.380 ug/l
 RT: 6.70 min Scan# 1720
 Delta R.T. 0.08 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion: 41 Resp: 52457
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.6 110.4#
 39 46.3 39.6 59.4

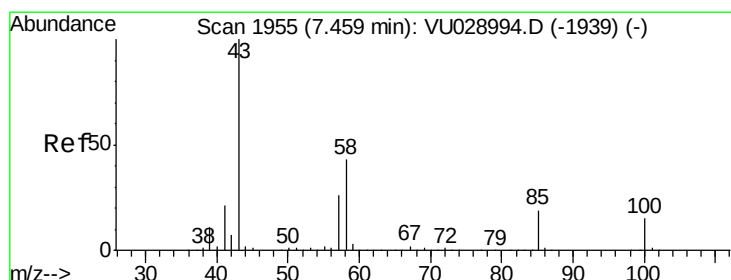
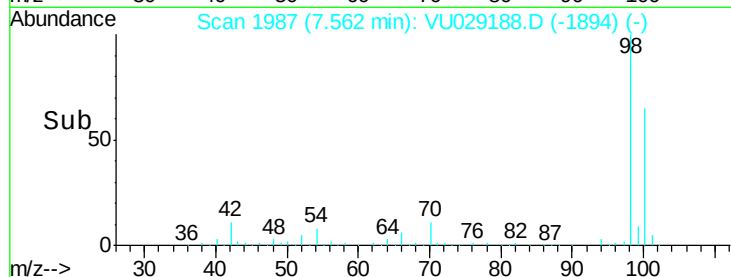
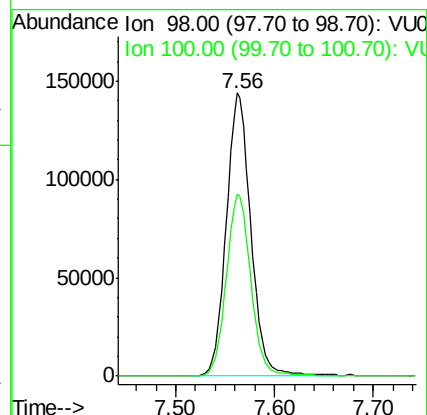
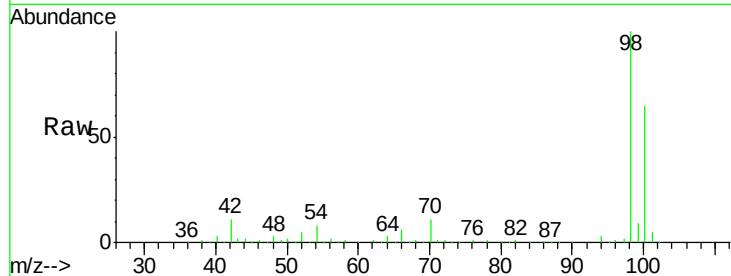




#50
Toluene-d8
Concen: 51.341 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

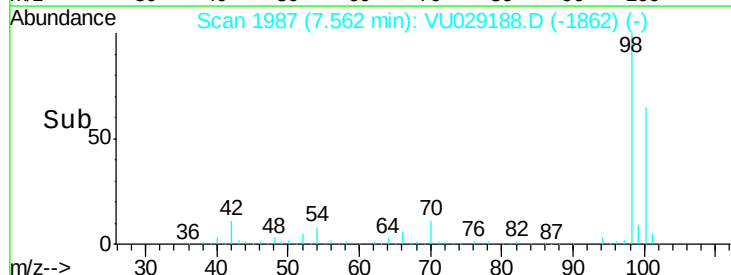
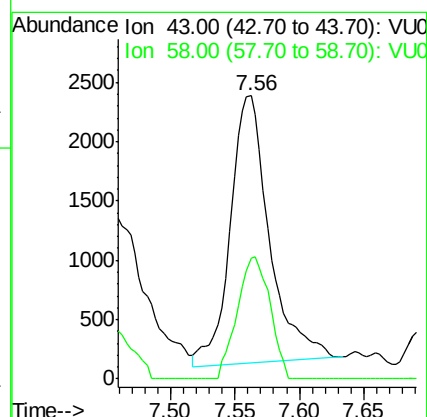
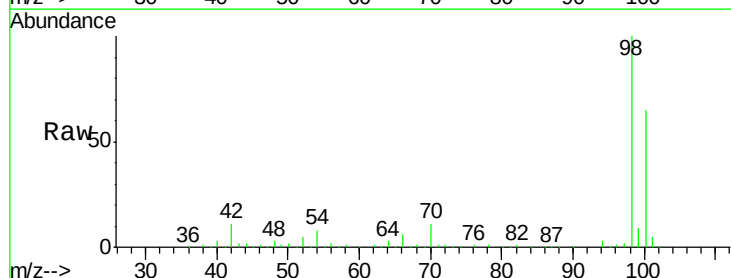
Instrument :
MSVOA_U
ClientSampleId :
PB116371ZHE#10

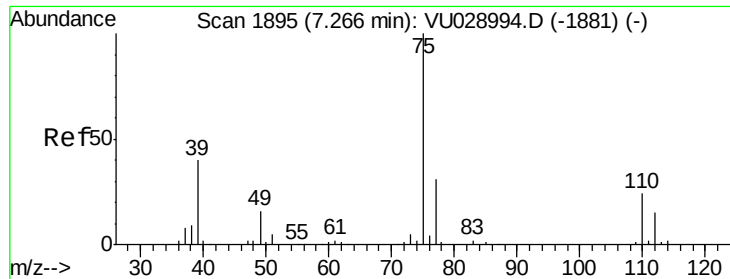
Tot Ion: 98 Resp: 251950
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 2.166 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
58 38.0 33.9 50.9



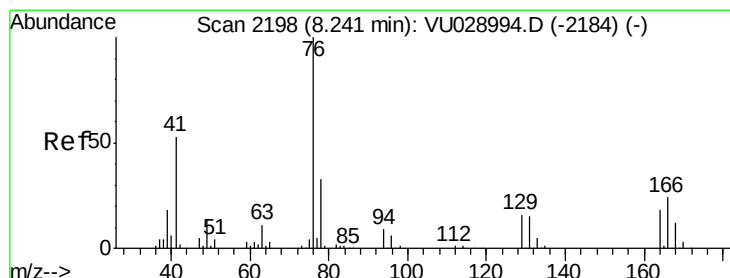
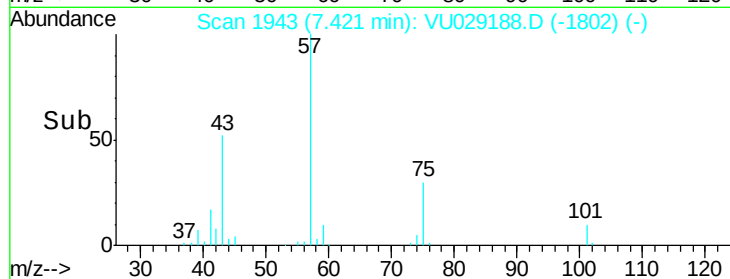
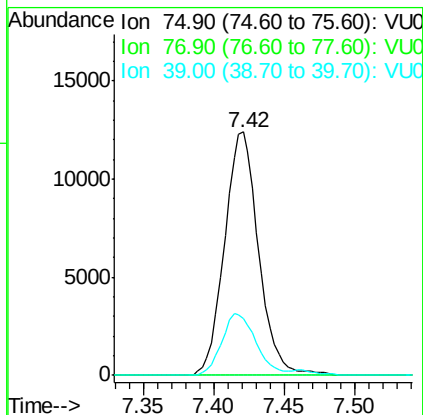
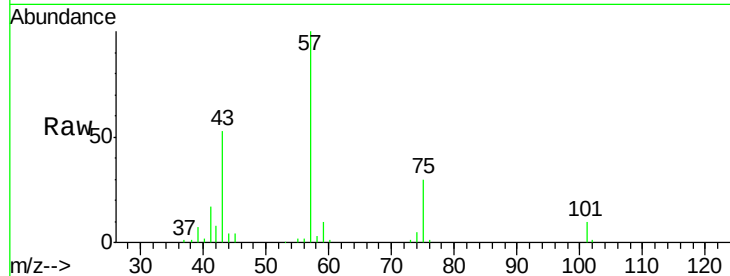


#54

cis-1,3-Dichloropropene
 Concen: 8.667 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

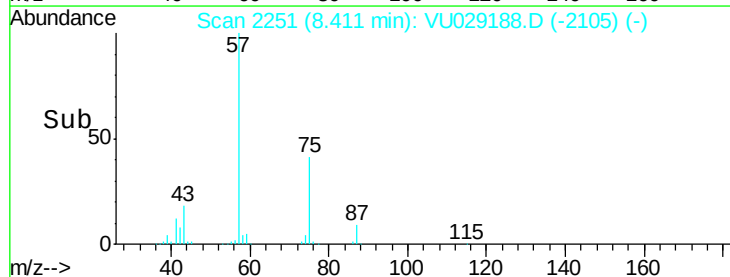
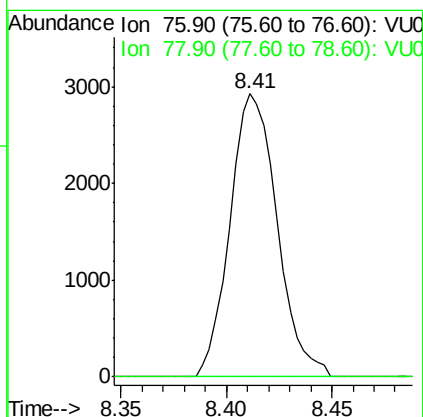
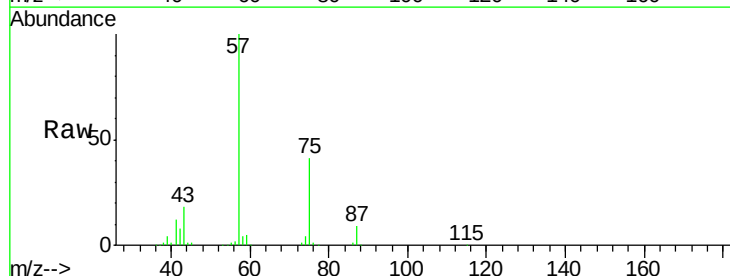
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	23.2	32.2	48.4#

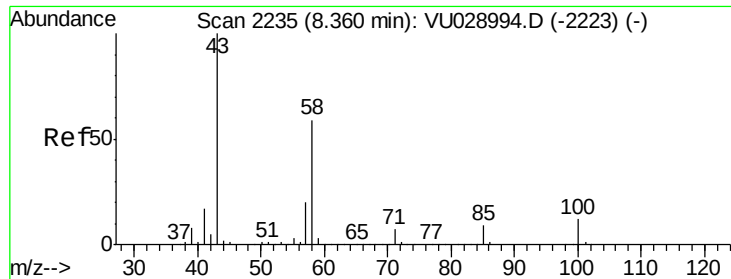


#57

1,3-Dichloropropane
 Concen: 1.820 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#

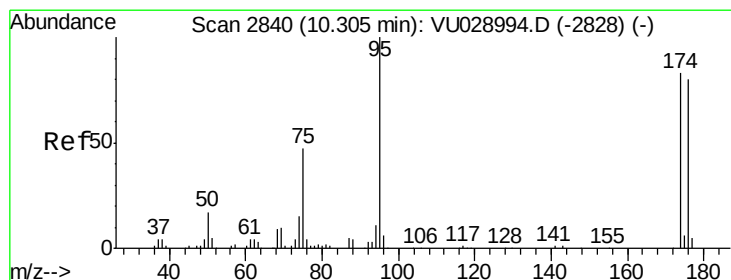
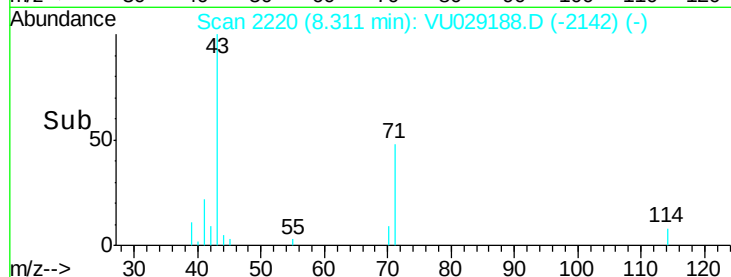
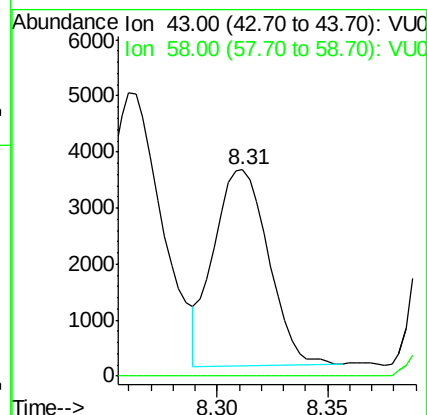
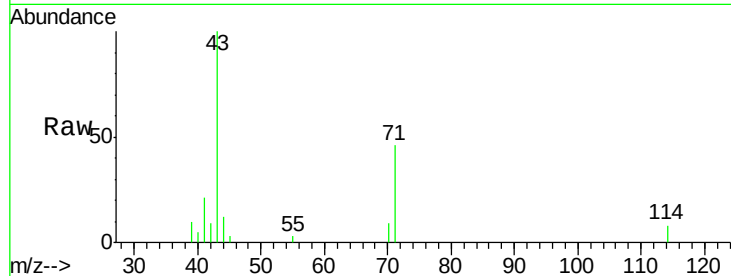




#59
2-Hexanone
Concen: 3.514 ug/l
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

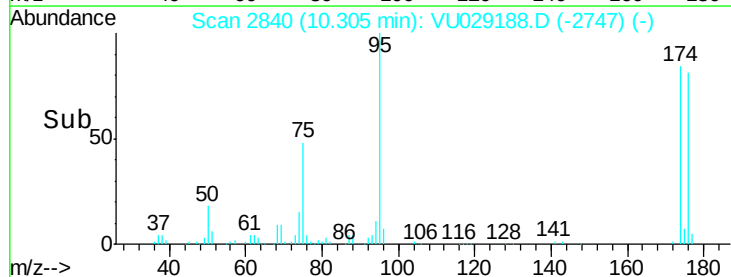
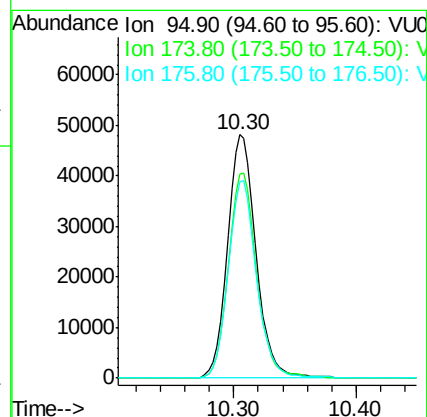
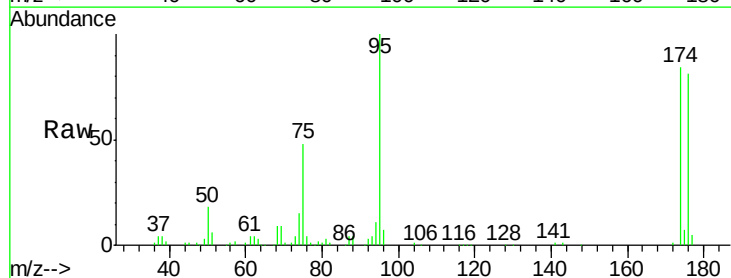
Instrument :
MSVOA_U
ClientSampleId :
PB116371ZHE#10

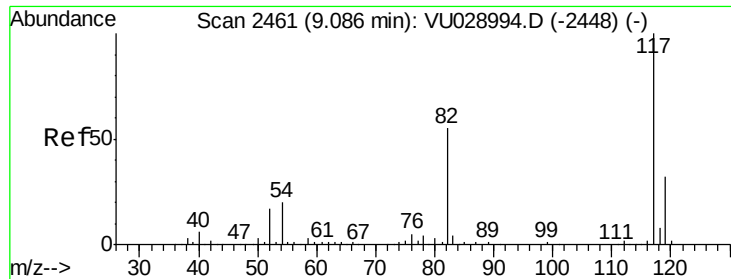
Tot Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 44.837 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

Tgt Ion: 95 Resp: 79075
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.6
176 80.8 0.0 165.0

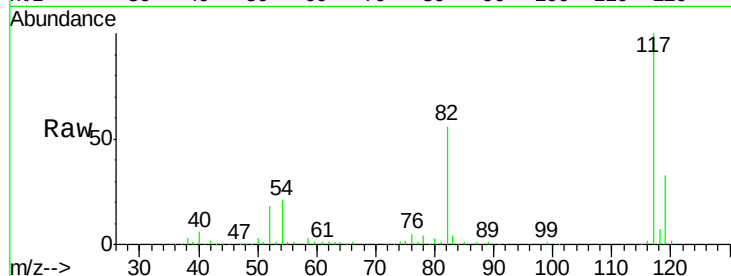




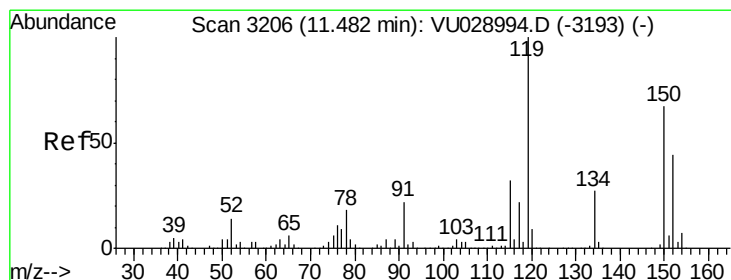
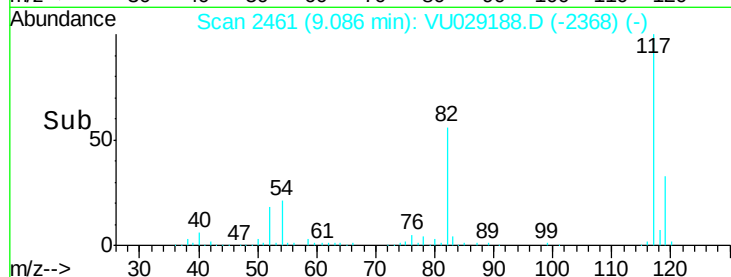
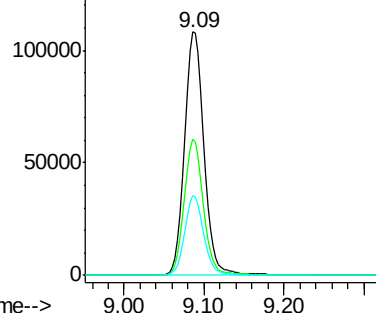
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

Instrument :
MSVOA_U
ClientSampleId :
PB116371ZHE#10

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.9	65.9
119	32.8	26.0	39.0

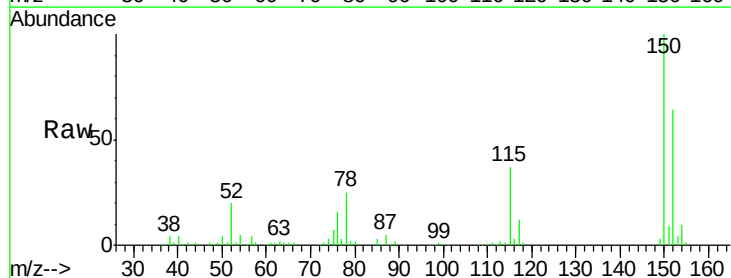


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

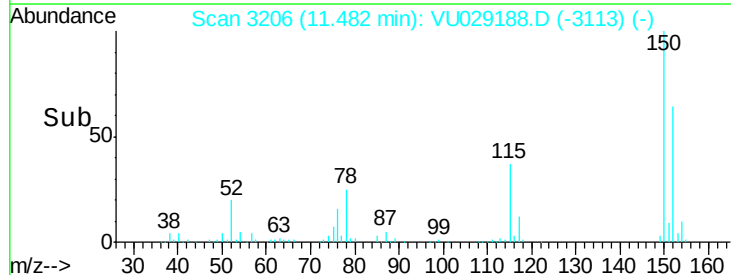
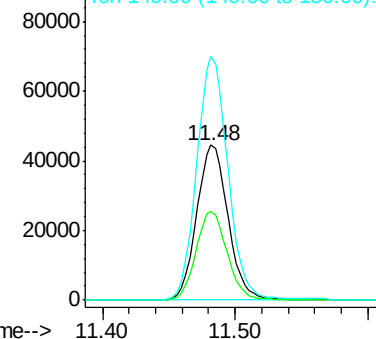


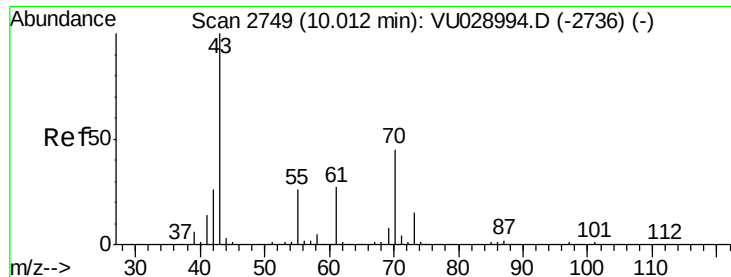
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029188.D
Acq: 15 Jan 2019 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	40.1	120.3
150	156.3	0.0	345.2



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





#74

N-amvl acetate

Concen: 2.740 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029188.D

Acq: 15 Jan 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

PB116371ZHE#10

Tot Ion: 43 Resp: 6392

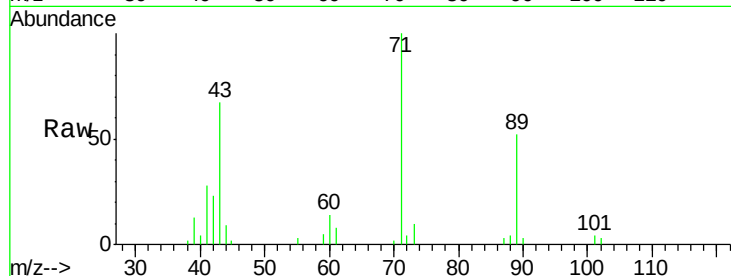
Ion Ratio Lower Upper

43 100

70 0.7 36.3 54.5#

55 2.1 20.5 30.7#

61 9.8 21.8 32.8#

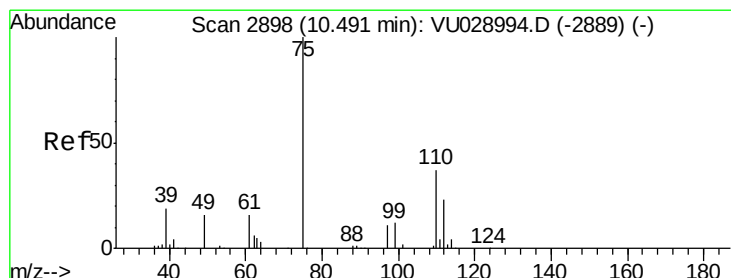
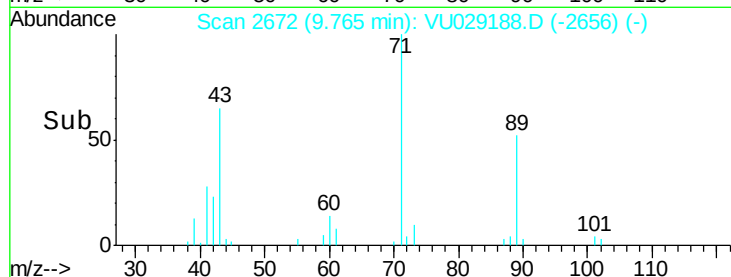
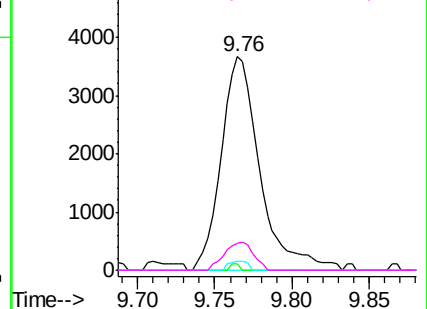


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 20.832 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029188.D

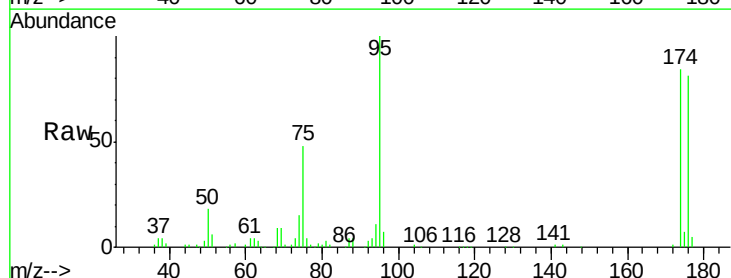
Acq: 15 Jan 2019 16:20

Tgt Ion: 75 Resp: 37333

Ion Ratio Lower Upper

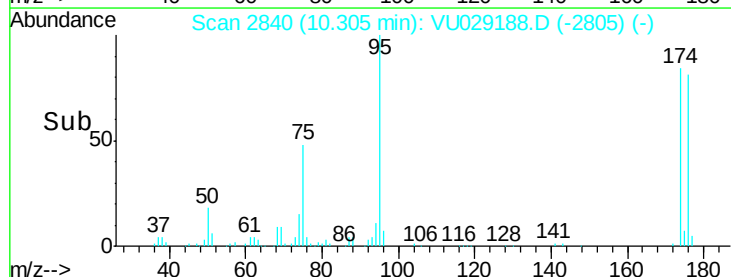
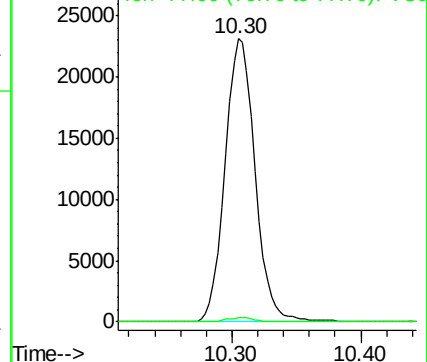
75 100

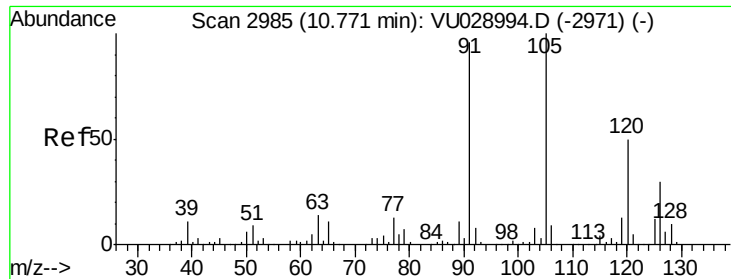
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

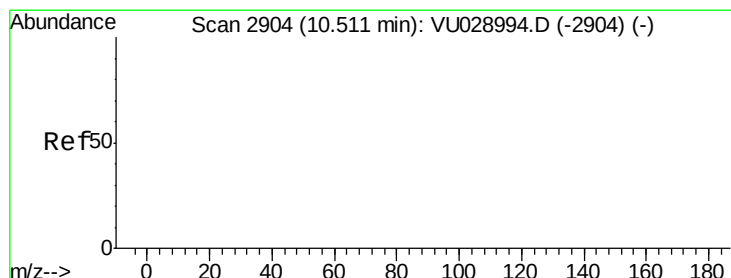
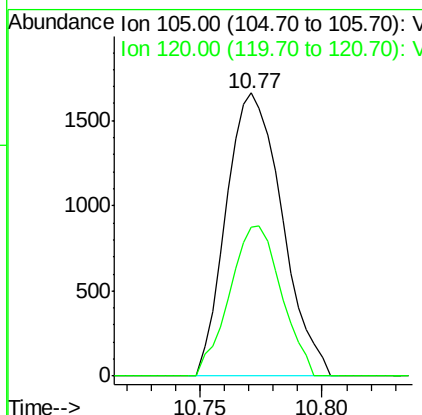
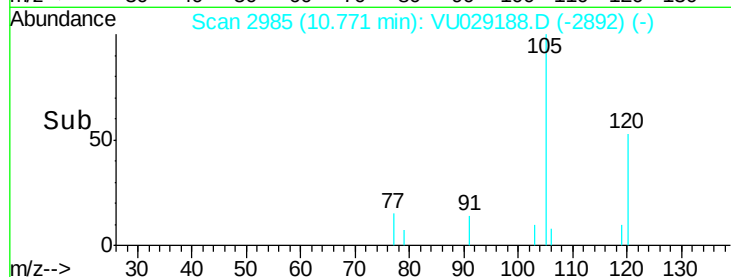
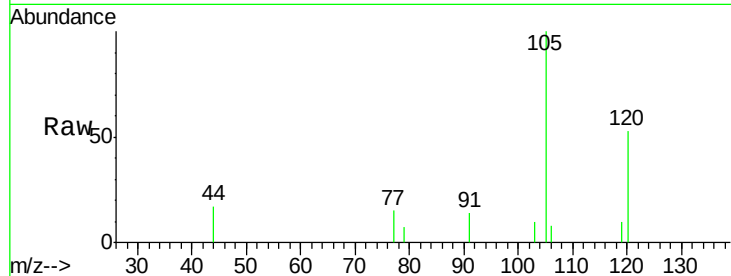




#80
 1,3,5-Trimethylbenzene
 Concen: 0.584 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116371ZHE#10

Tot Ion:105 Resp: 2641
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.727 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU029188.D
 Acq: 15 Jan 2019 16:20

Tgt Ion: 75 Resp: 37333
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

