

Data File : VU029250.D
Acq On : 21 Jan 2019 15:44
Operator : JC/SP
Sample : PB116506ZHE#10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#10

Quant Time: Jan 22 01:12:04 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	111179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196981	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	189012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76863	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
35) Dibromofluoromethane	4.88	113	66747	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	7.56	98	257347	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.30	95	80236	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

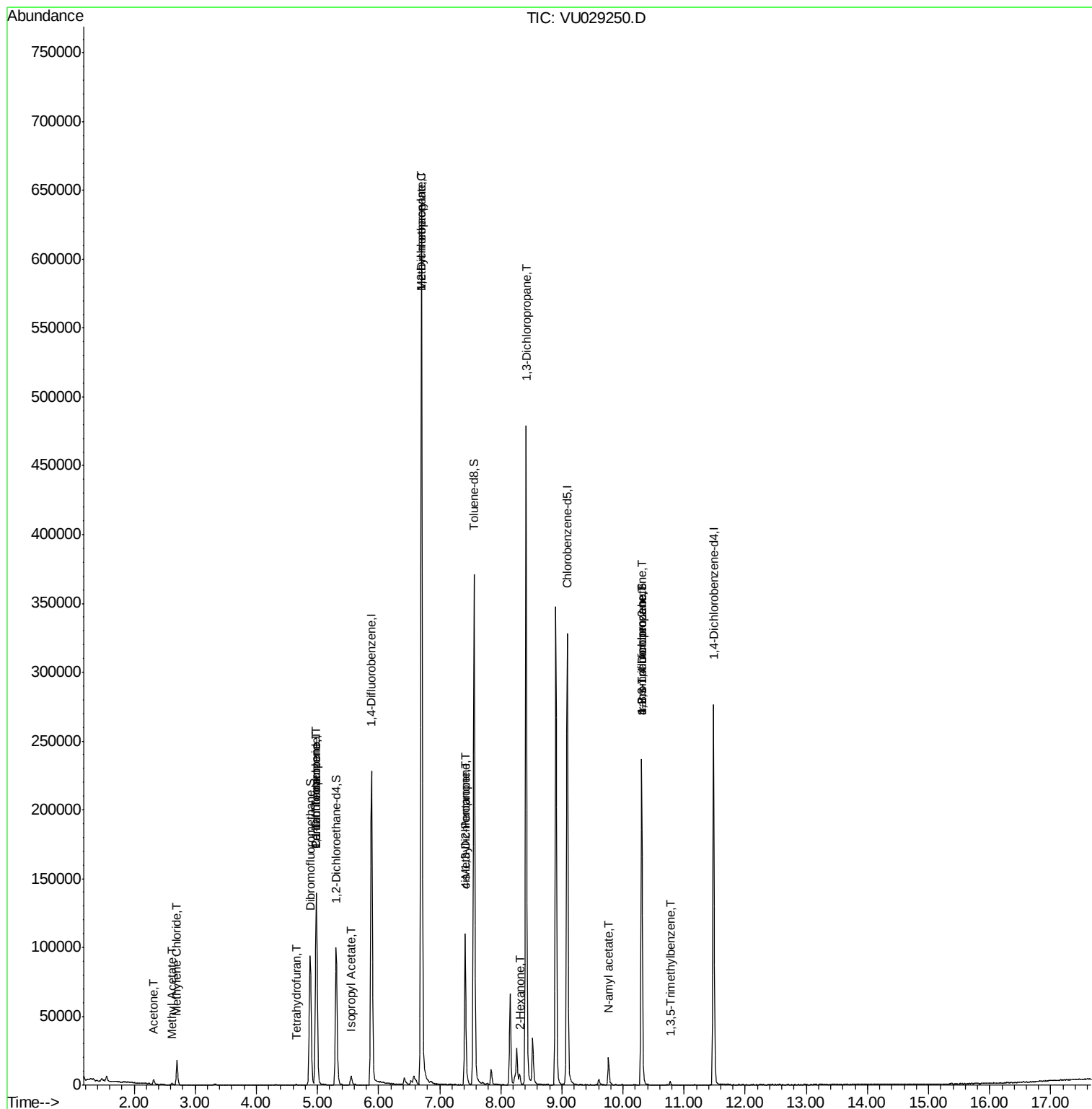
					Qvalue
3) Chloromethane	1.33	50	699	Below Cal	91
16) Acetone	2.32	43	4262	4.923 ug/l	97
17) Carbon Disulfide	2.48	76	78	Below Cal	# 75
18) Methyl Acetate	2.62	43	1491	0.741 ug/l	# 65
20) Methylene Chloride	2.70	84	7610	5.177 ug/l	# 96
29) Tetrahydrofuran	4.65	42	208	0.293 ug/l	# 30
31) Cyclohexane	4.98	56	1828	Below Cal	# 1
36) 1,1-Dichloropropene	4.98	75	8043	4.085 ug/l	# 47
38) Carbon Tetrachloride	4.98	117	9725	5.922 ug/l	# 18
43) Isopropyl Acetate	5.55	43	7929	2.392 ug/l	# 97
45) 1,2-Dichloropropane	6.70	63	674	0.416 ug/l	# 43
48) Methyl methacrylate	6.70	41	53121	32.907 ug/l	# 36
51) 4-Methyl-2-Pentanone	7.42	43	39246	17.394 ug/l	# 44
54) cis-1,3-Dichloropropene	7.42	75	20018	8.079 ug/l	# 61
57) 1,3-Dichloropropane	8.41	76	4749	1.853 ug/l	# 42
59) 2-Hexanone	8.31	43	6059	3.421 ug/l	# 21
74) N-amyl acetate	9.76	43	6245	2.597 ug/l	# 48
76) 1,2,3-Trichloropropane	10.30	75	39339	21.293 ug/l	# 35
80) 1,3,5-Trimethylbenzene	10.77	105	1939	0.416 ug/l	# 97
81) trans-1,4-Dichloro-2-buten	10.30	75	39339	54.915 ug/l	# 100

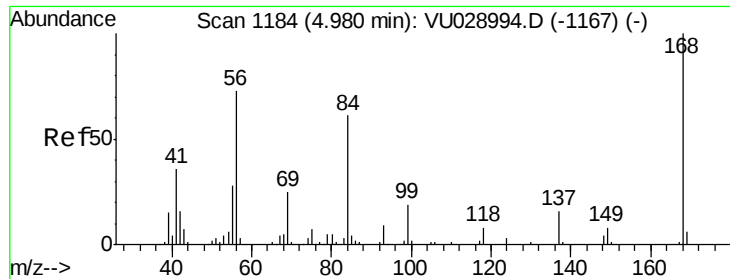
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029250.D
Acq On : 21 Jan 2019 15:44
Operator : JC/SP
Sample : PB116506ZHE#10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#10

Quant Time: Jan 22 01:12:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

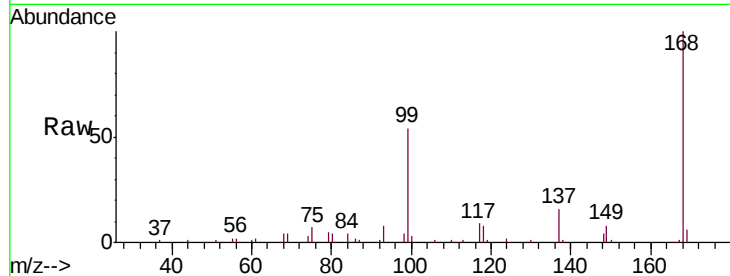
PB116506ZHE#10

Tgt Ion:168 Resp: 111179

Ion Ratio Lower Upper

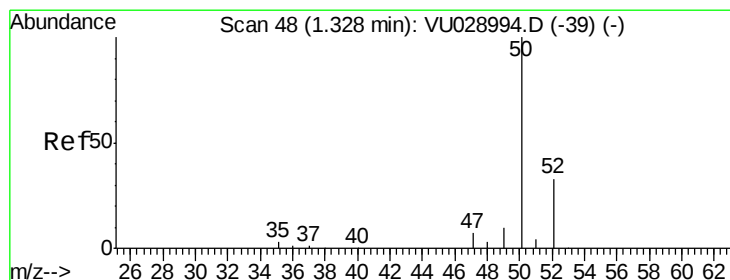
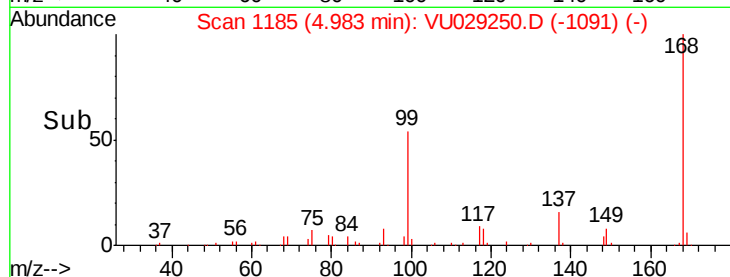
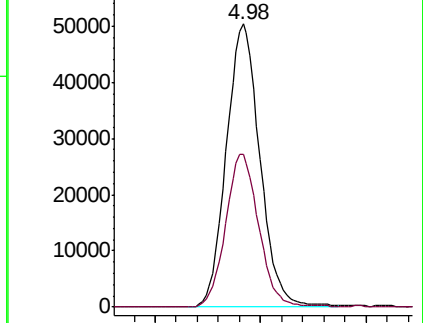
168 100

99 54.0 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) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029250.D

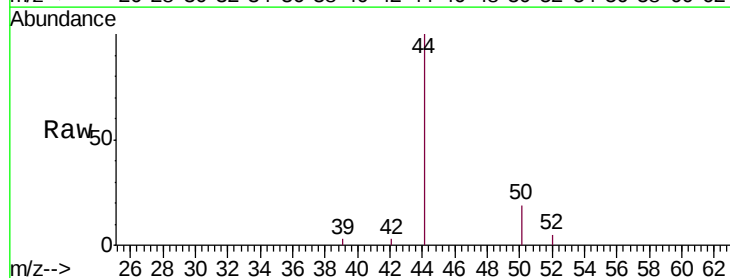
Acq: 21 Jan 2019 15:44

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

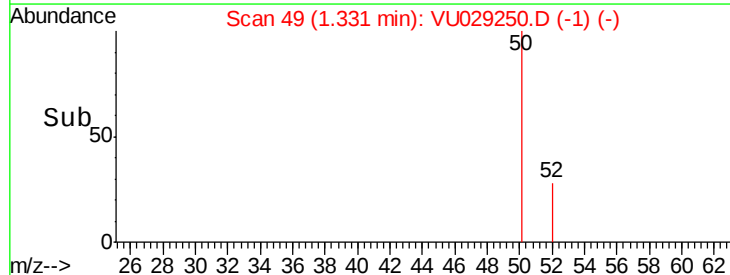
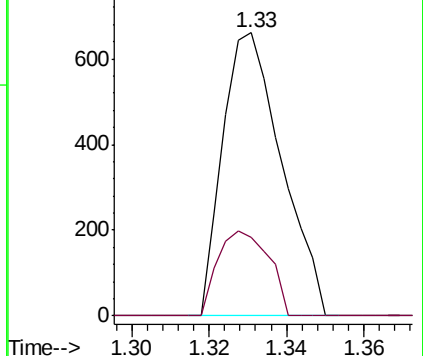
50 100

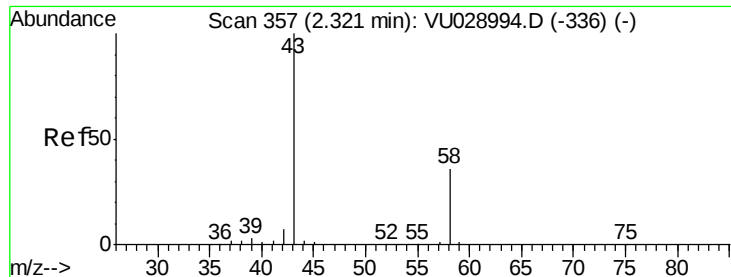
52 27.5 26.1 39.1



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

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





#16

Acetone

Concen: 4.923 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

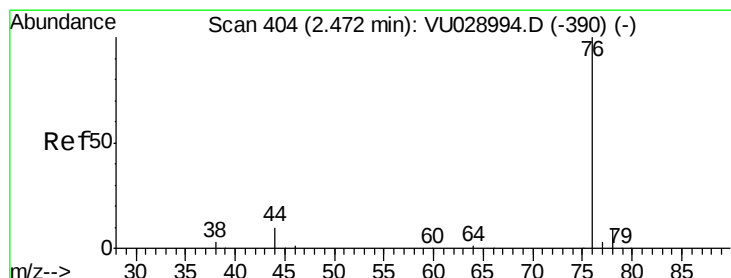
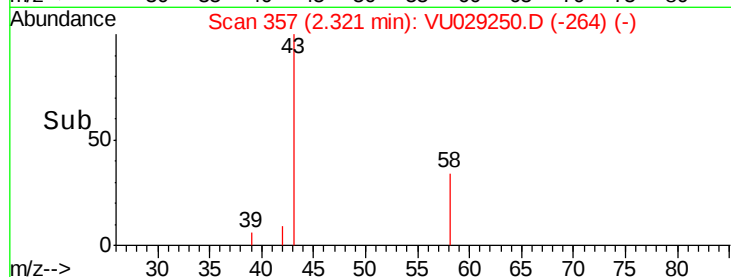
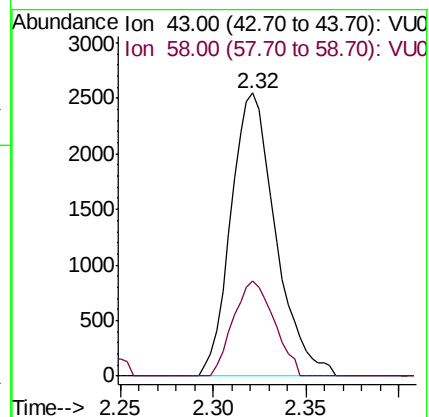
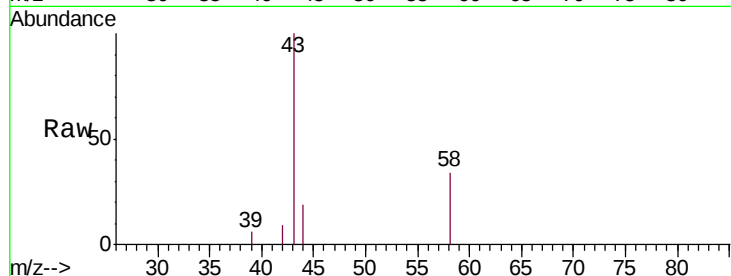
PB116506ZHE#10

Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

58 33.8 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029250.D

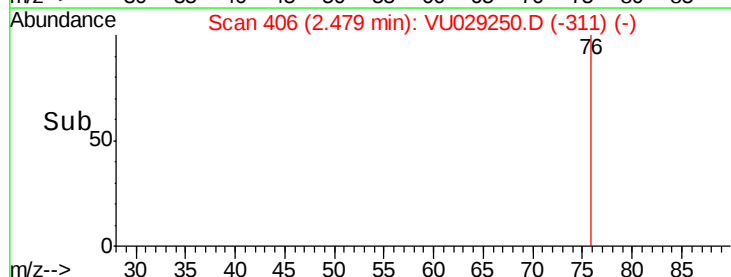
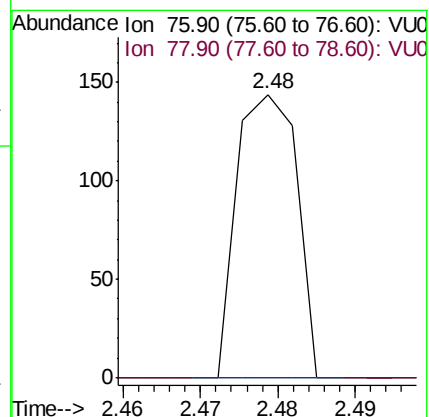
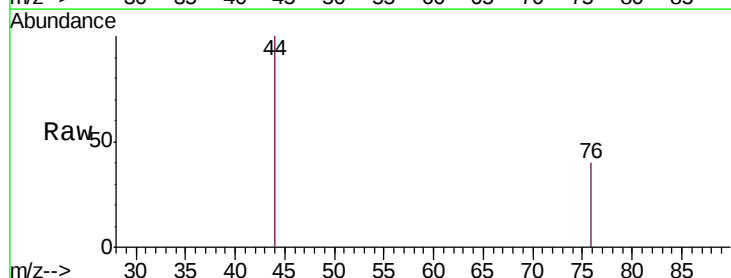
Acq: 21 Jan 2019 15:44

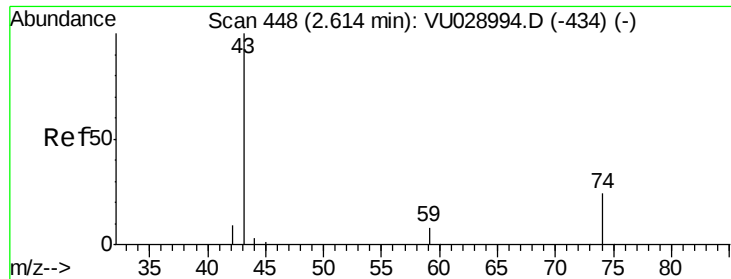
Tgt Ion: 76 Resp: 78

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

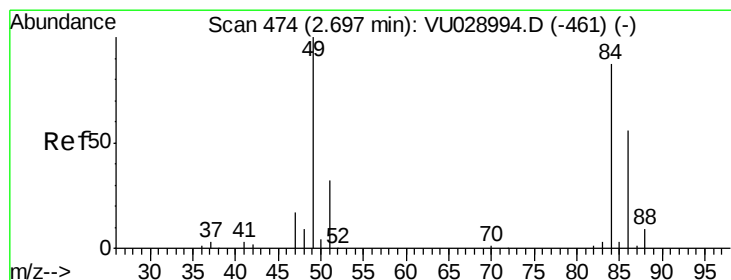
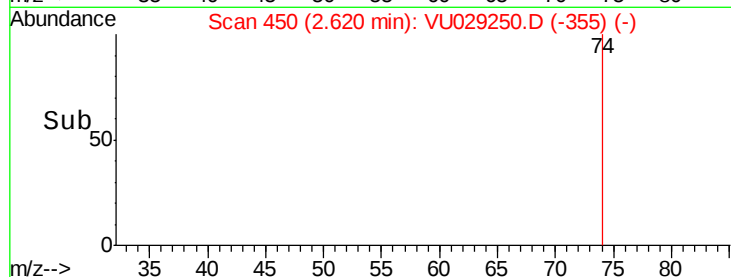
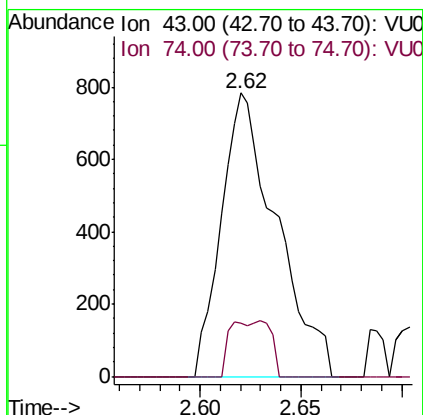
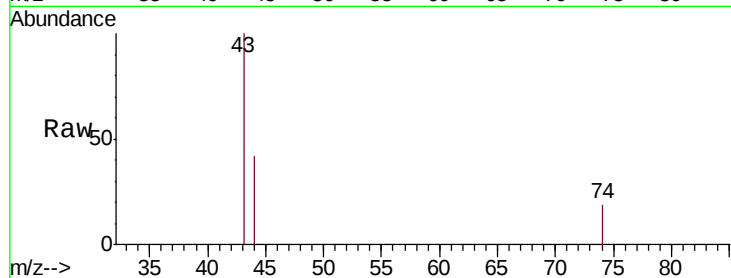




#18
Methyl Acetate
Concen: 0.741 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

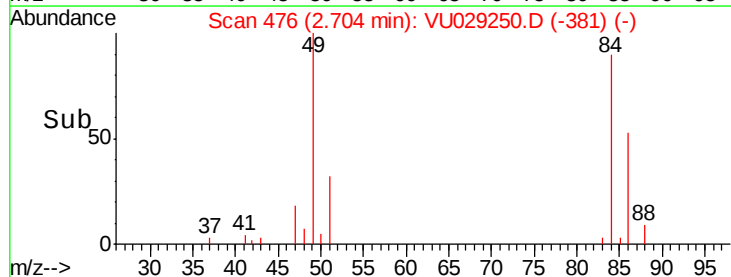
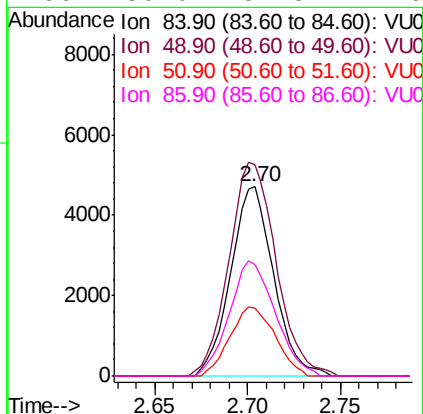
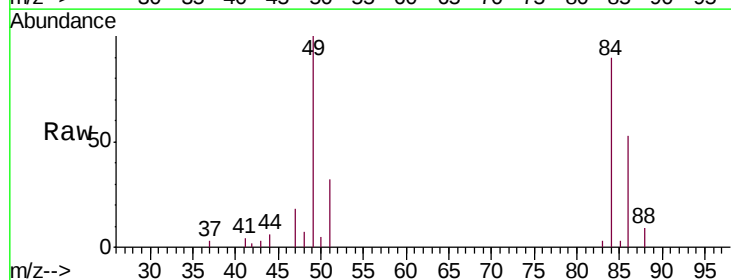
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#10

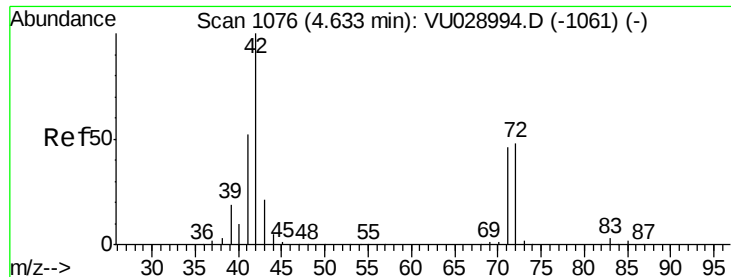
Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
74 7.2 19.5 29.3#



#20
Methylene Chloride
Concen: 5.177 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

Tgt Ion: 84 Resp: 7610
Ion Ratio Lower Upper
84 100
49 111.4 91.9 137.9
51 36.0 29.2 43.8
86 59.0 51.8 77.6





#29

Tetrahydrofuran

Concen: 0.293 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#10

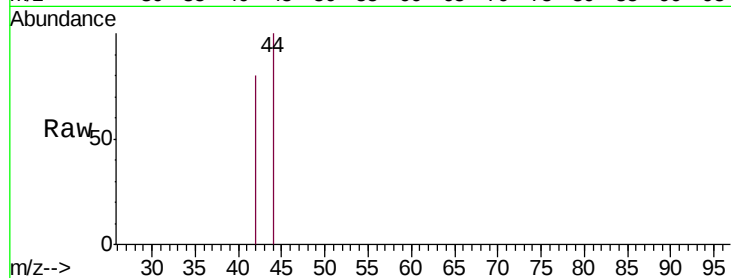
Tgt Ion: 42 Resp: 208

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

71 0.0 36.1 54.1#



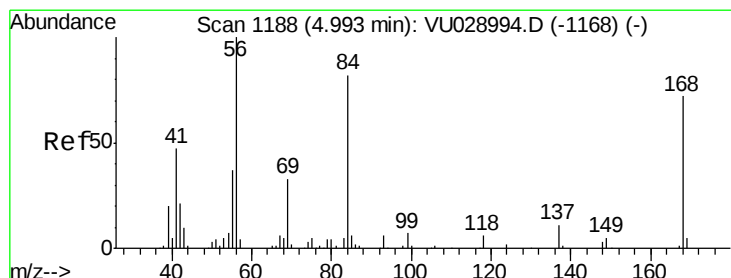
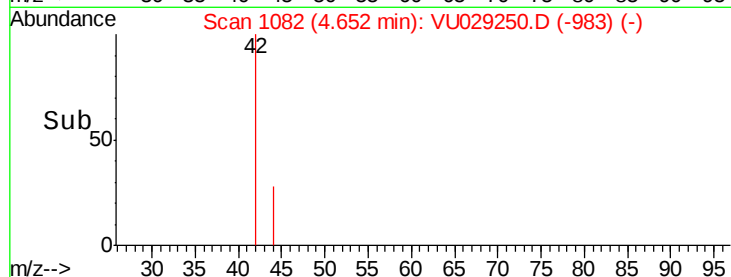
Abundance Ion 42.00 (41.70 to 42.70): VU028994.D (-1061) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-1061) (-)

Ion 71.00 (70.70 to 71.70): VU028994.D (-1061) (-)

Time-->

4.64 4.65 4.66



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

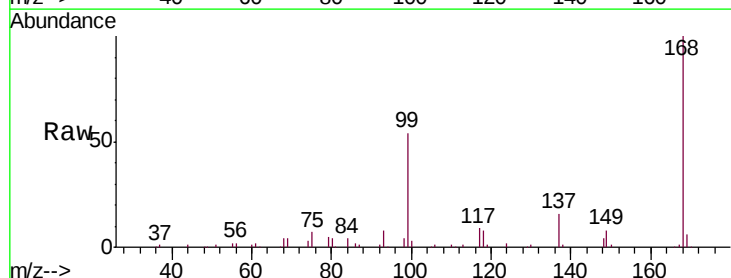
Tgt Ion: 56 Resp: 1828

Ion Ratio Lower Upper

56 100

69 183.5 26.7 40.1#

84 180.3 65.7 98.5#



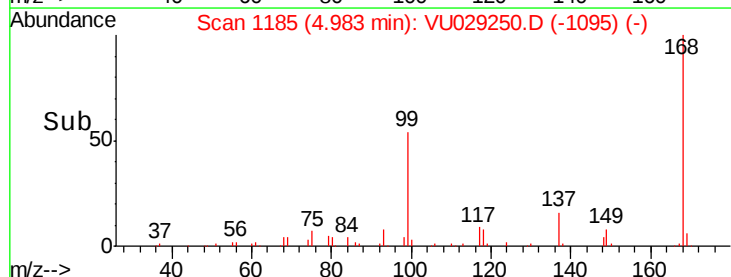
Abundance Ion 56.00 (55.70 to 56.70): VU028994.D (-1168) (-)

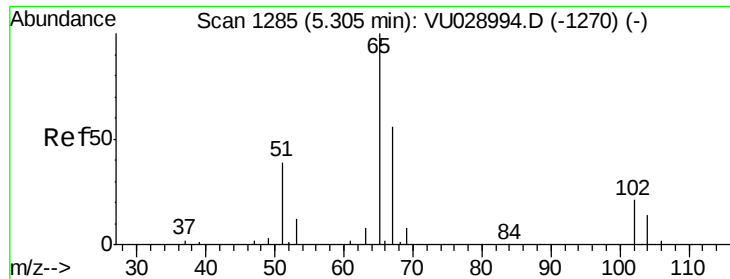
Ion 69.00 (68.70 to 69.70): VU028994.D (-1168) (-)

Ion 84.00 (83.70 to 84.70): VU028994.D (-1168) (-)

Time-->

4.95 4.98 5.00

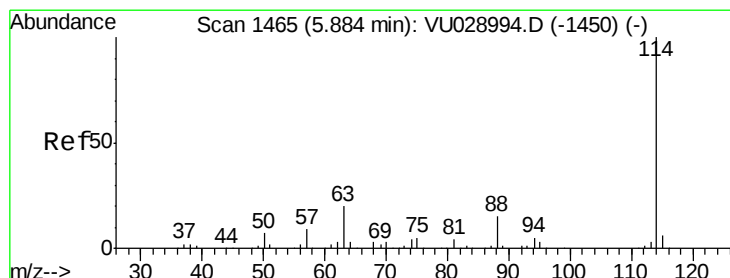
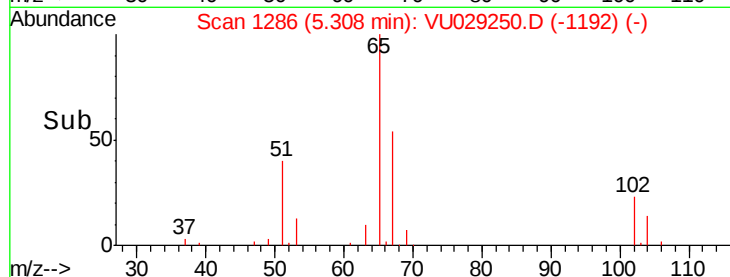
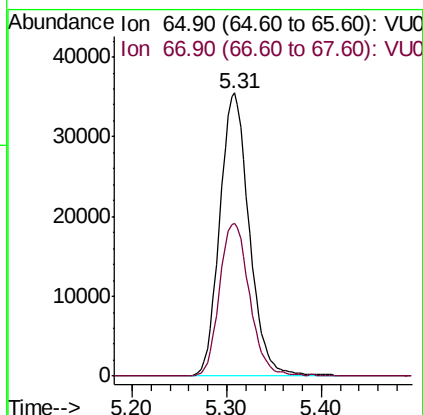
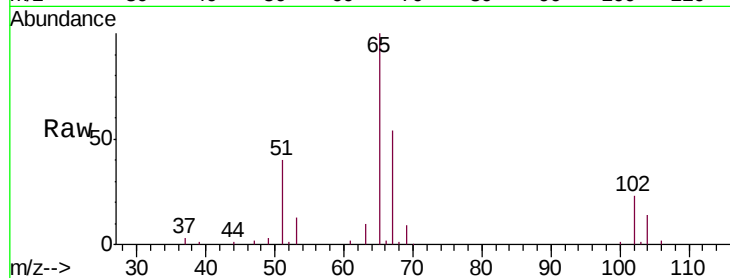




#33
 1,2-Dichloroethane-d4
 Concen: 55.925 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

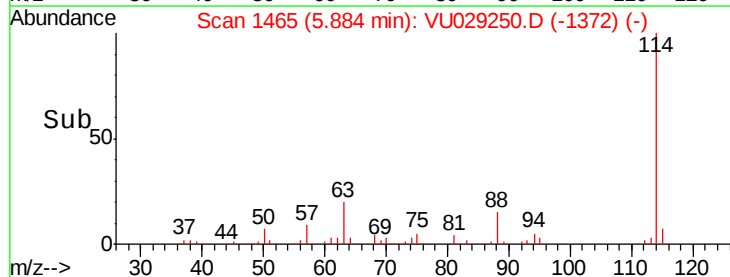
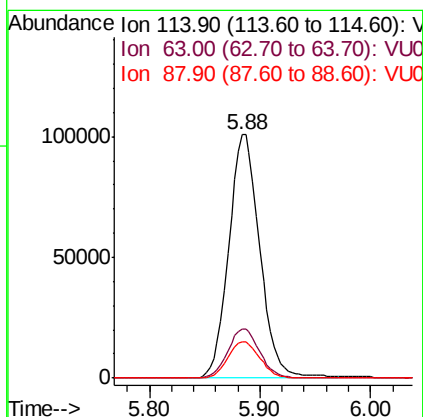
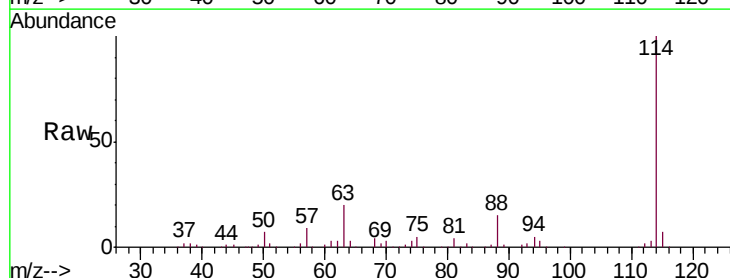
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#10

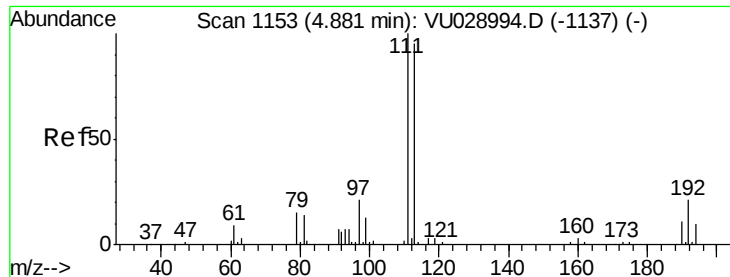
Tgt Ion: 65 Resp: 76863
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

Tgt Ion: 114 Resp: 196981
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.0 0.0 30.4

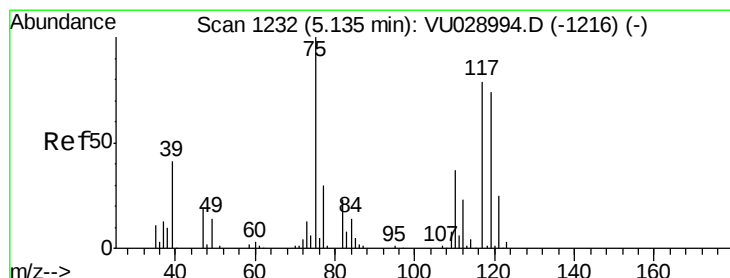
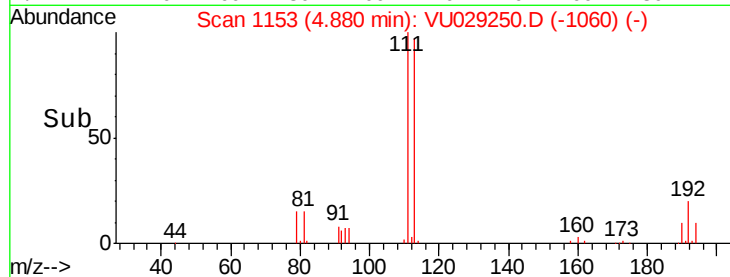
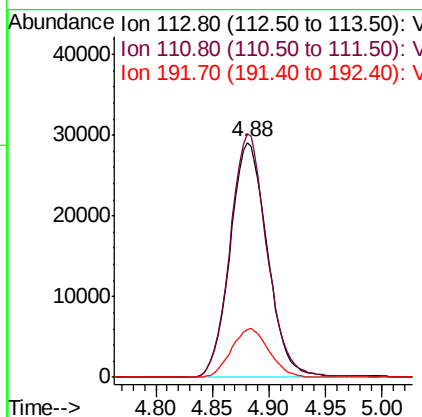
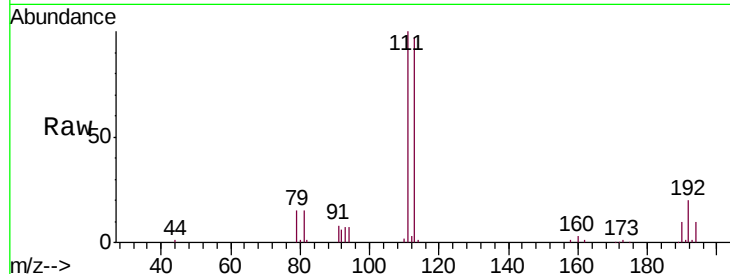




#35
 Dibromofluoromethane
 Concen: 52.273 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

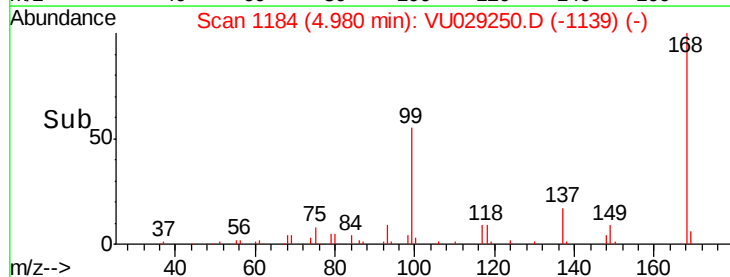
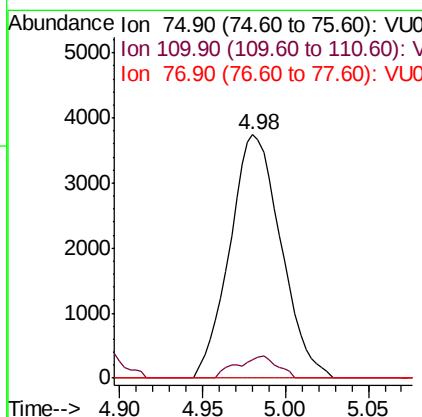
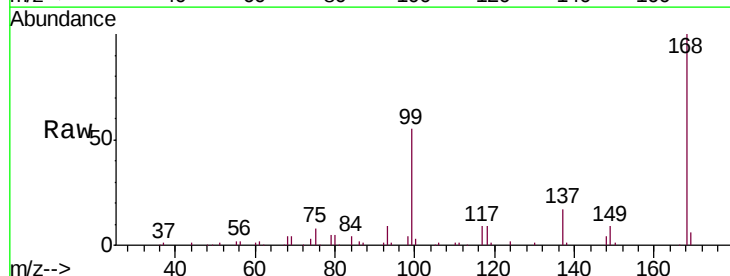
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#10

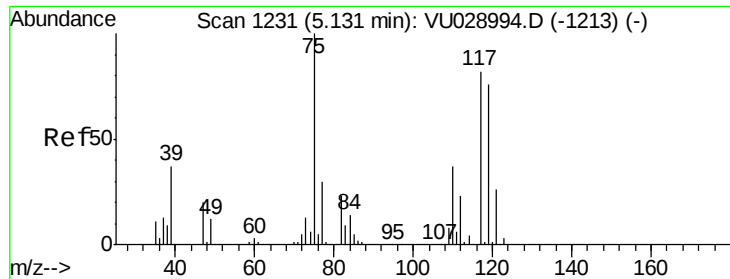
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	20.9	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.085 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.4	55.4#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#10

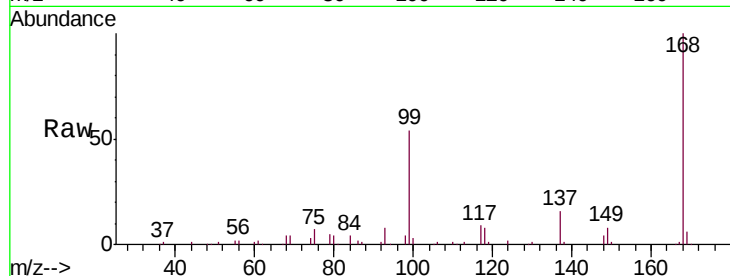
Tgt Ion: 117 Resp: 9725

Ion Ratio Lower Upper

117 100

119 6.9 74.6 111.8#

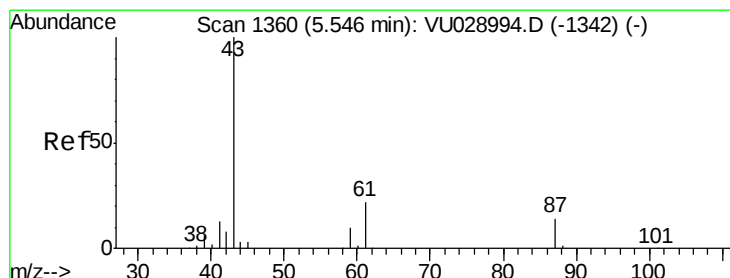
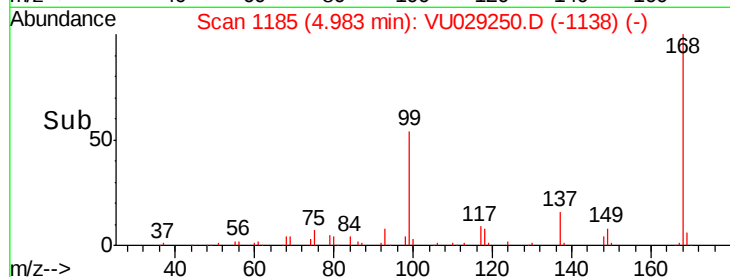
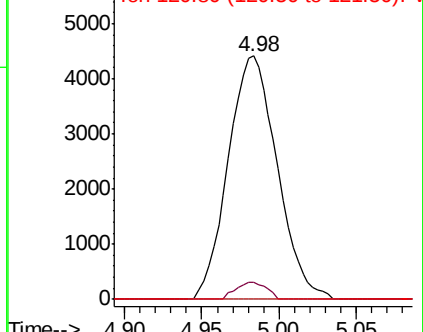
121 0.0 25.0 37.6#



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: 2.392 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

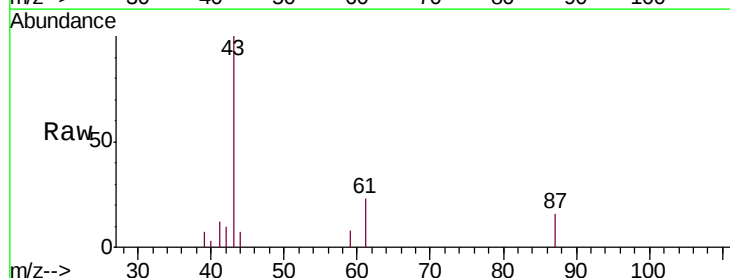
Tgt Ion: 43 Resp: 7929

Ion Ratio Lower Upper

43 100

61 20.8 17.8 26.6

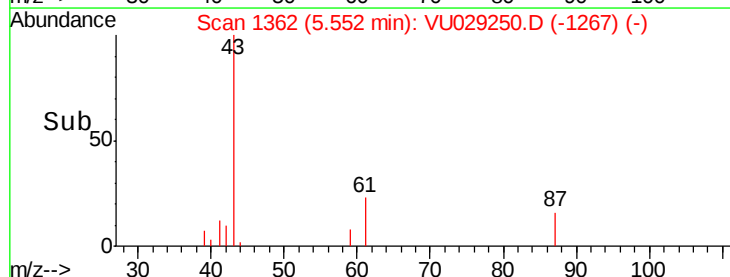
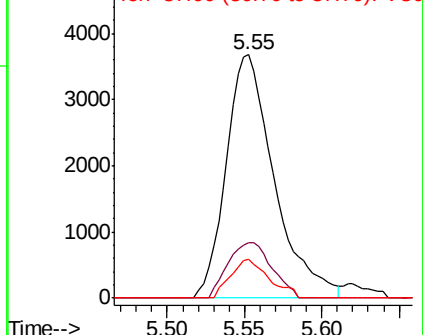
87 12.7 11.3 16.9

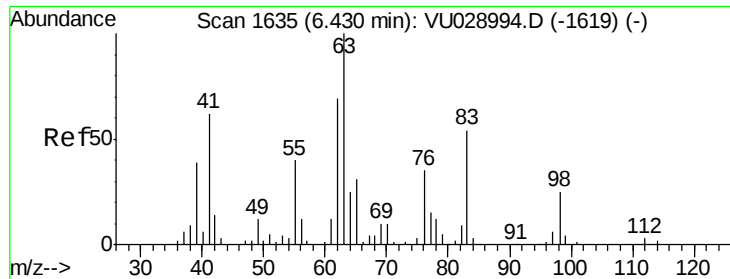


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#45

1,2-Dichloropropane

Concen: 0.416 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

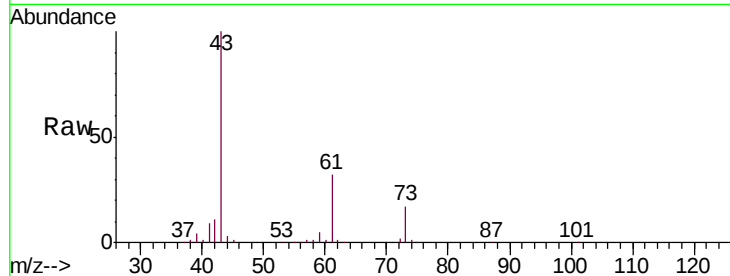
PB116506ZHE#10

Tgt Ion: 63 Resp: 674

Ion Ratio Lower Upper

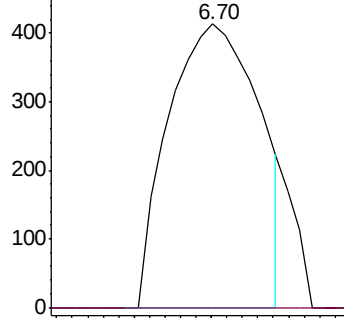
63 100

65 0.0 25.1 37.7#

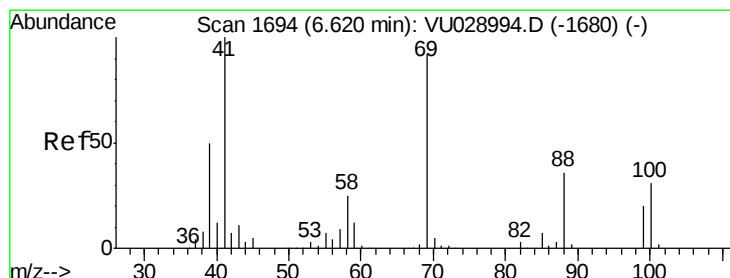
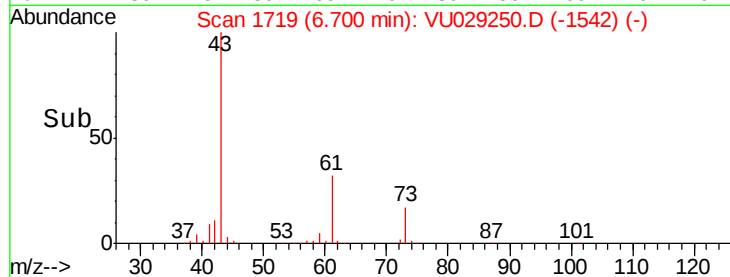


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



Time-->



#48

Methyl methacrylate

Concen: 32.907 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.08 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

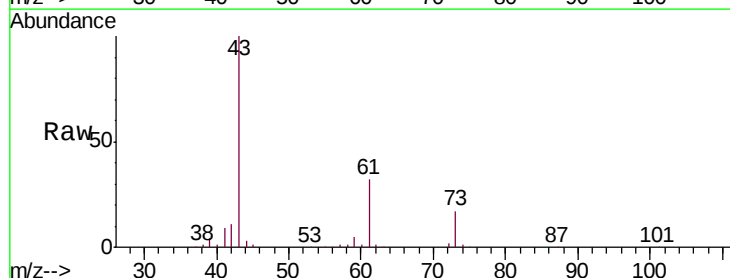
Tgt Ion: 41 Resp: 53121

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

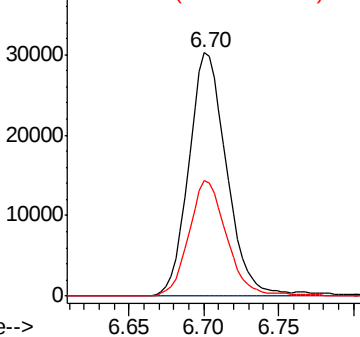
39 47.8 39.6 59.4



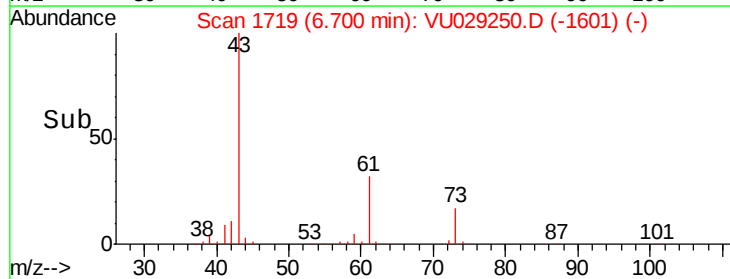
Abundance Ion 41.00 (40.70 to 41.70): VU0

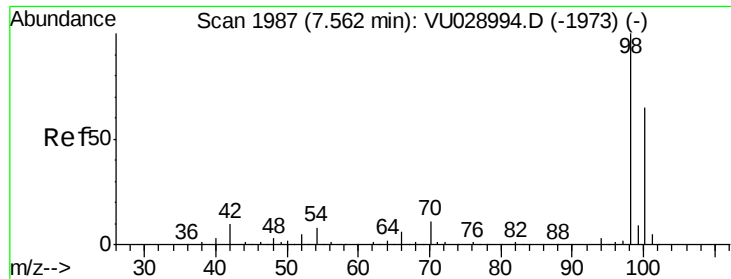
Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->





#50

Toluene-d8

Concen: 51.051 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

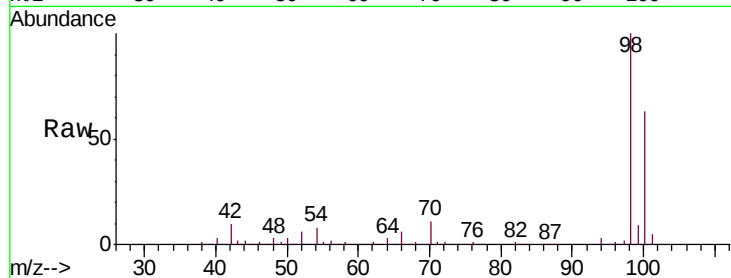
PB116506ZHE#10

Tgt Ion: 98 Resp: 257347

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

7.56

150000

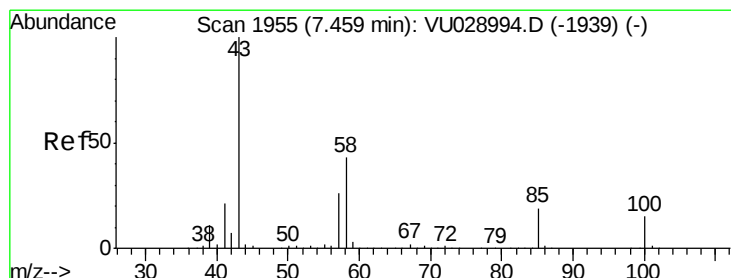
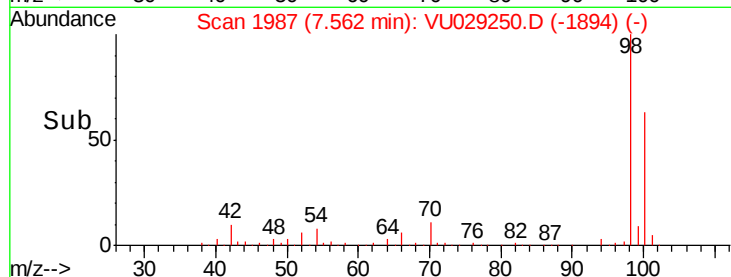
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 17.394 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. -0.04 min

Lab File: VU029250.D

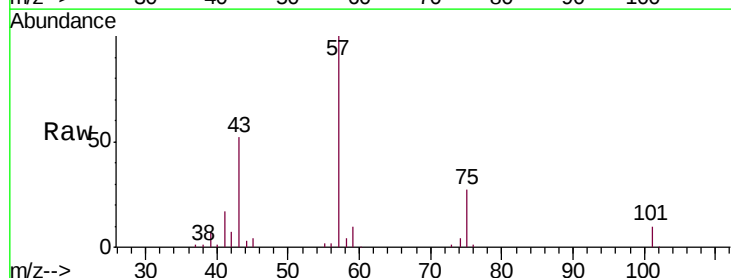
Acq: 21 Jan 2019 15:44

Tgt Ion: 43 Resp: 39246

Ion Ratio Lower Upper

43 100

58 6.8 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)

7.42

25000

20000

15000

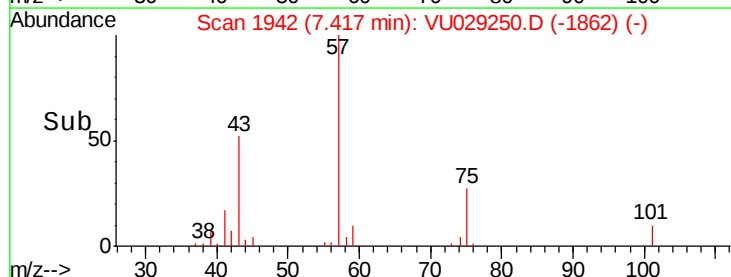
10000

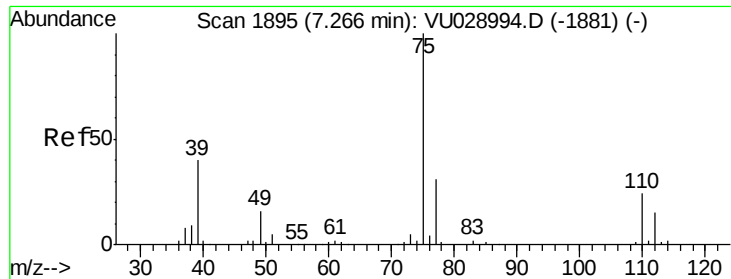
5000

0

7.35 7.40 7.45 7.50

Time-->

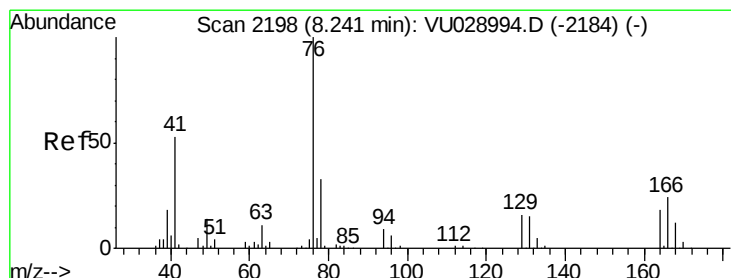
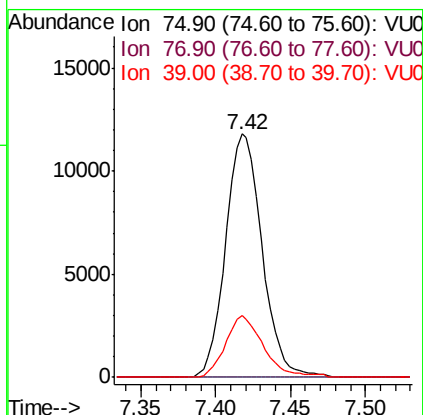
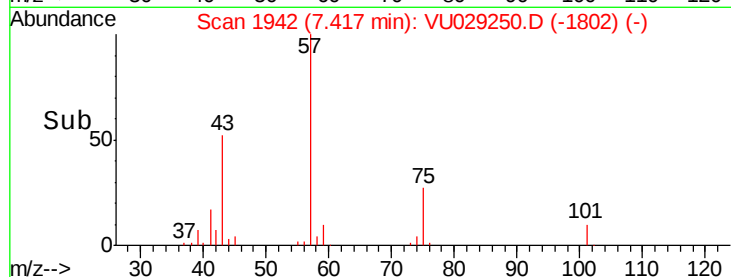
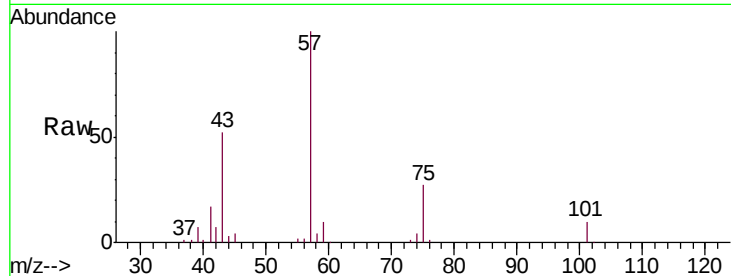




#54
 cis-1,3-Dichloropropene
 Concen: 8.079 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

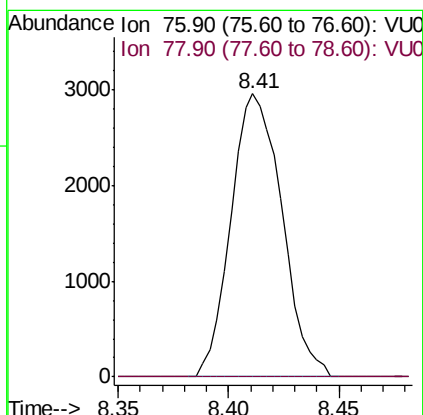
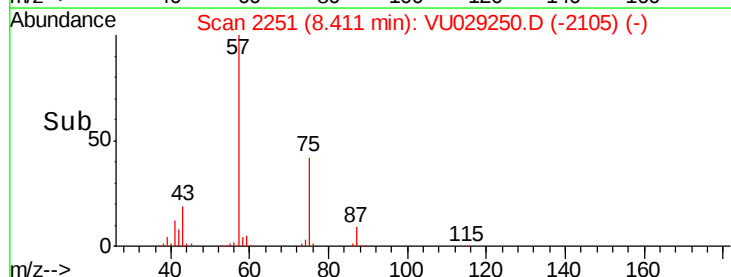
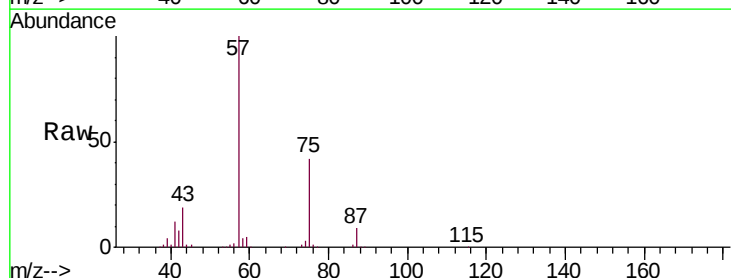
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#10

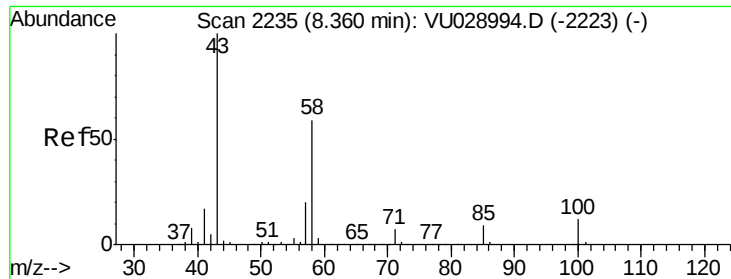
Tgt Ion: 75 Resp: 20018
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 25.2 32.2 48.4#



#57
 1,3-Dichloropropane
 Concen: 1.853 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029250.D
 Acq: 21 Jan 2019 15:44

Tgt Ion: 76 Resp: 4749
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

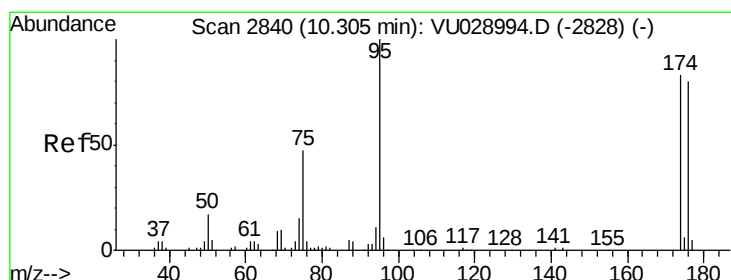
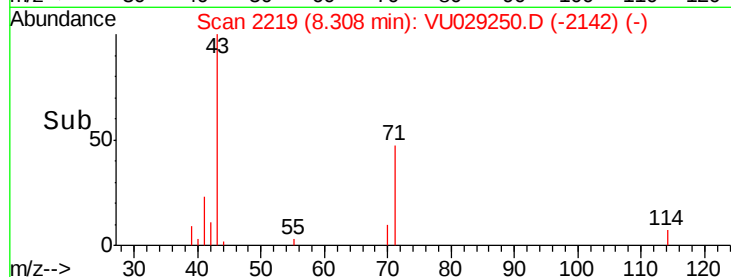
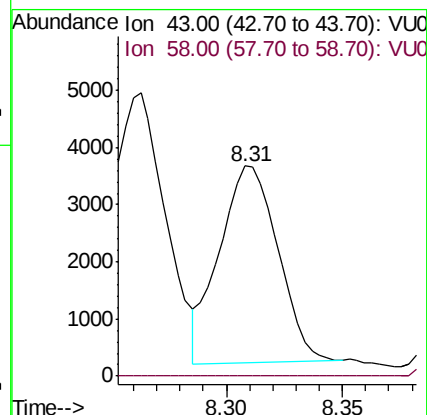
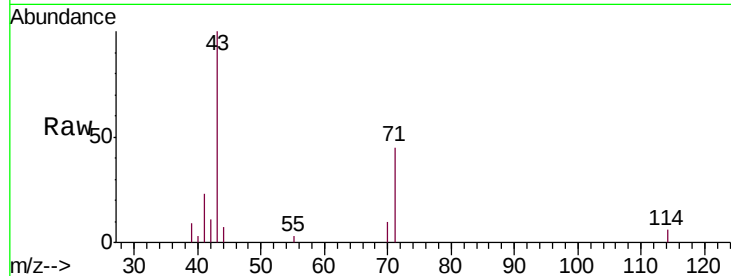




#59
2-Hexanone
Concen: 3.421 ug/l
RT: 8.31 min Scan# 2219
Delta R.T. -0.05 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

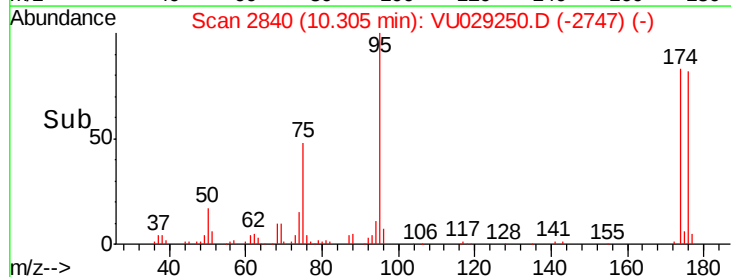
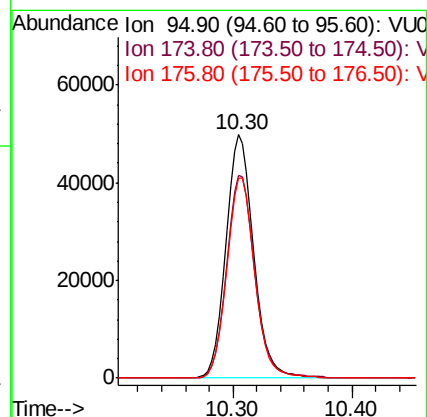
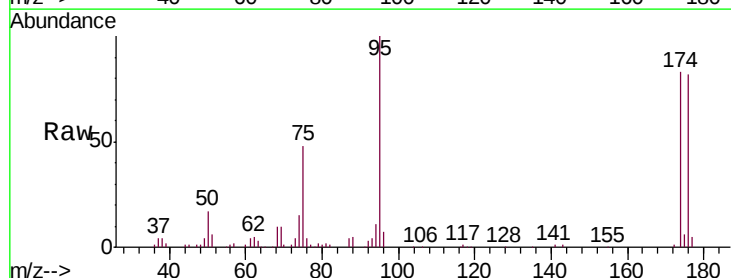
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#10

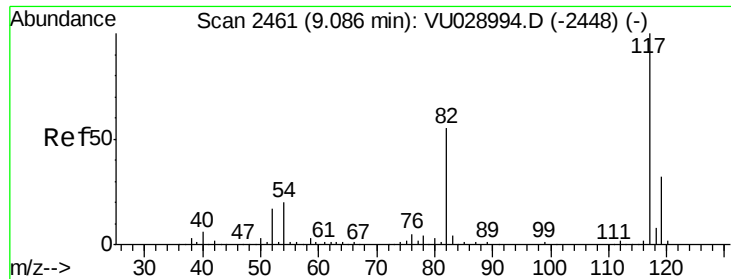
Tgt Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 44.289 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

Tgt Ion: 95 Resp: 80236
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.6
176 83.3 0.0 165.0

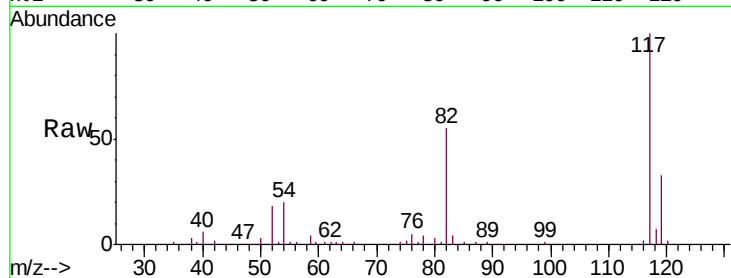




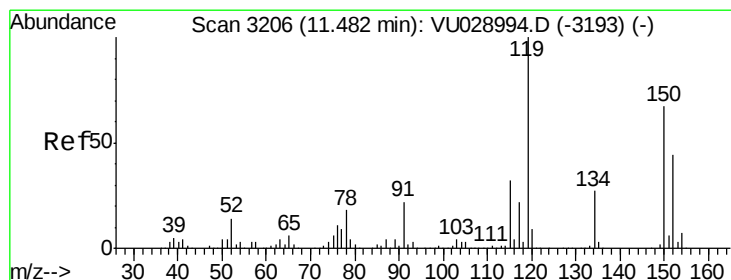
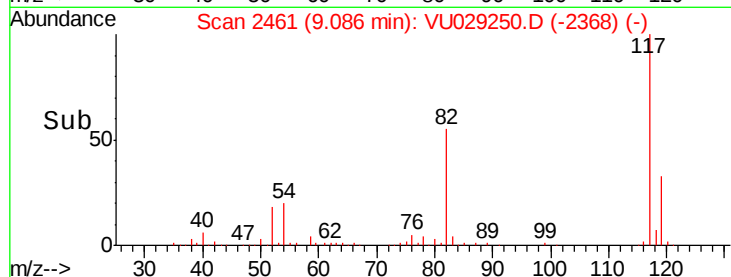
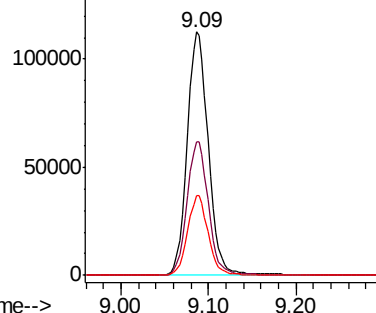
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#10

Tgt Ion:117 Resp: 189012
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 32.5 26.0 39.0

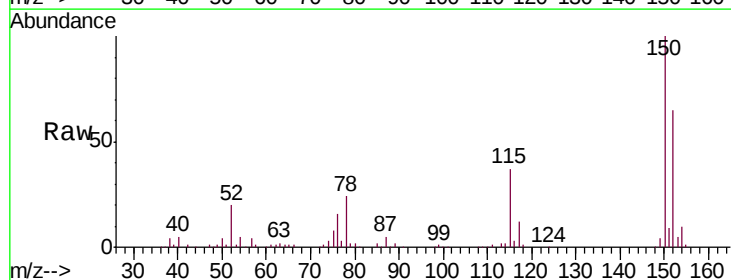


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): V

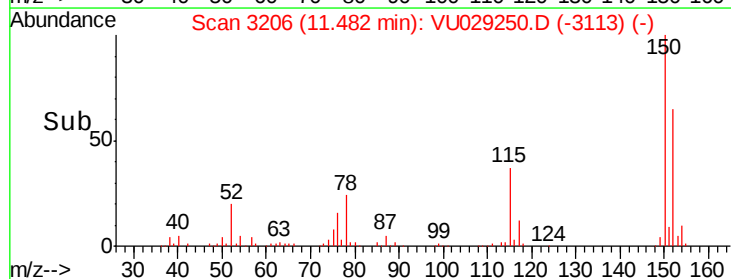
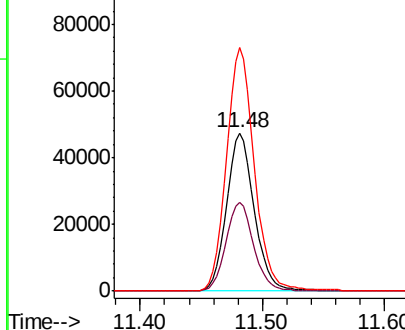


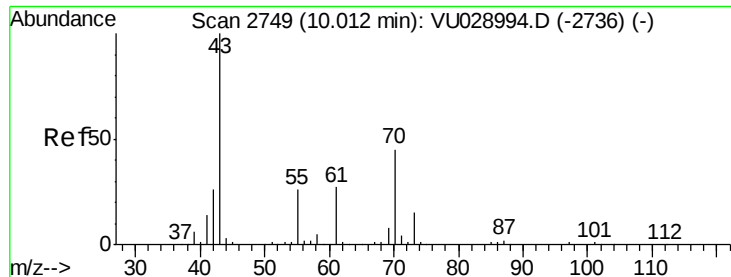
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029250.D
Acq: 21 Jan 2019 15:44

Tgt Ion:152 Resp: 75405
Ion Ratio Lower Upper
152 100
115 56.1 40.1 120.3
150 155.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU028994.D (-3193) (-)
Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 2.597 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#10

Tgt Ion: 43 Resp: 6245

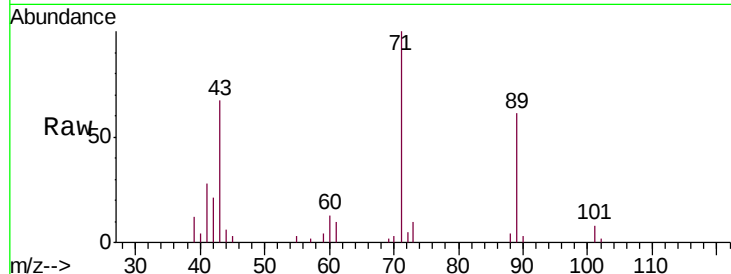
Ion Ratio Lower Upper

43 100

70 1.7 36.3 54.5#

55 2.3 20.5 30.7#

61 9.8 21.8 32.8#

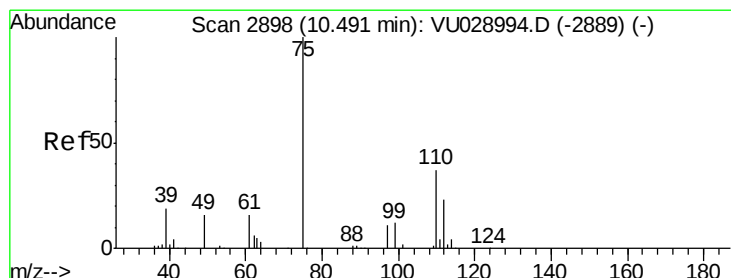
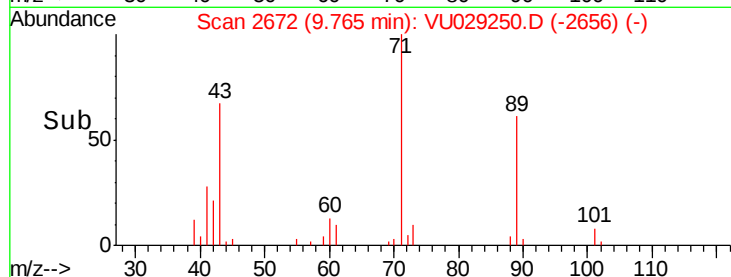
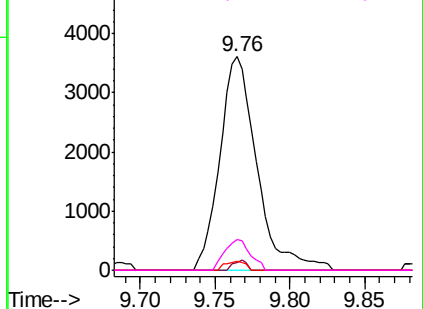


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 21.293 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029250.D

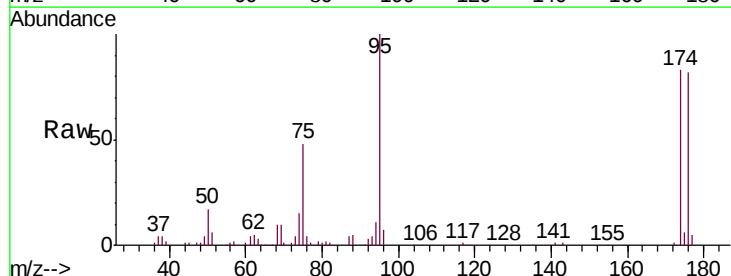
Acq: 21 Jan 2019 15:44

Tgt Ion: 75 Resp: 39339

Ion Ratio Lower Upper

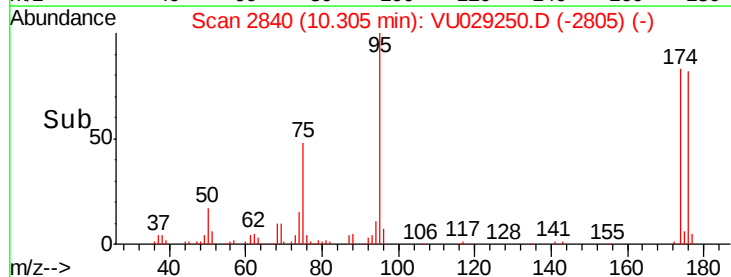
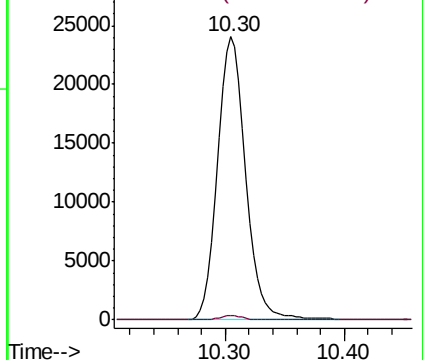
75 100

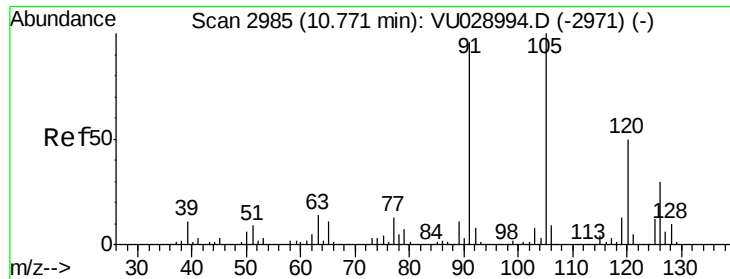
77 1.1 20.9 62.8#



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: 0.416 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

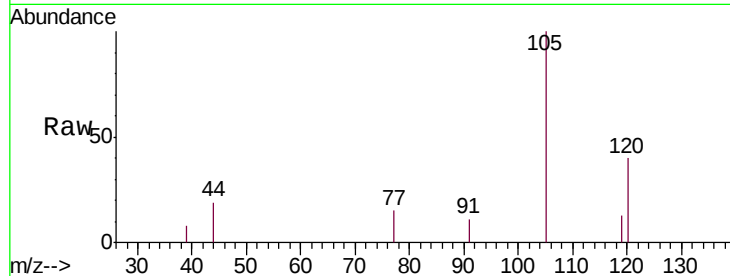
PB116506ZHE#10

Tgt Ion:105 Resp: 1939

Ion Ratio Lower Upper

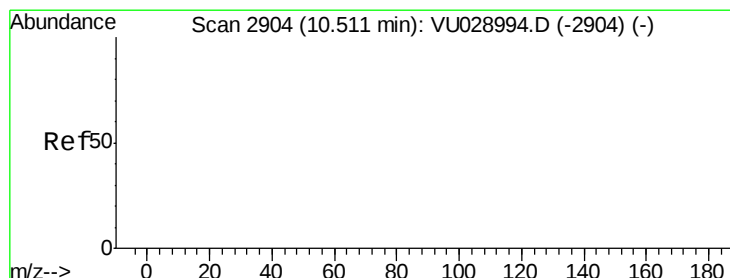
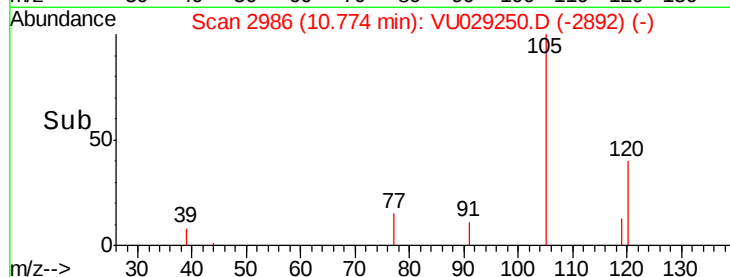
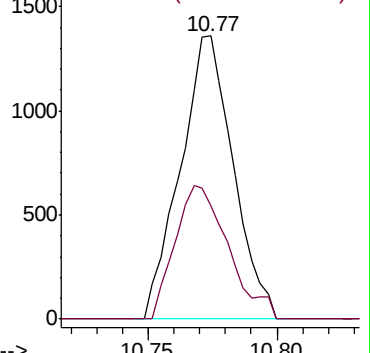
105 100

120 47.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 54.915 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029250.D

Acq: 21 Jan 2019 15:44

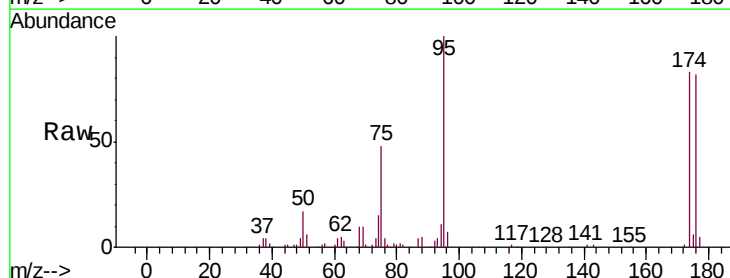
Tgt Ion: 75 Resp: 39339

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

