

Data File : VU029246.D
Acq On : 21 Jan 2019 14:08
Operator : JC/SP
Sample : PB116506ZHE#06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#06

Quant Time: Jan 22 01:10:13 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	112990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	197582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	77834	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	4.88	113	67319	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	7.56	98	260323	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	81400	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	

Target Compounds

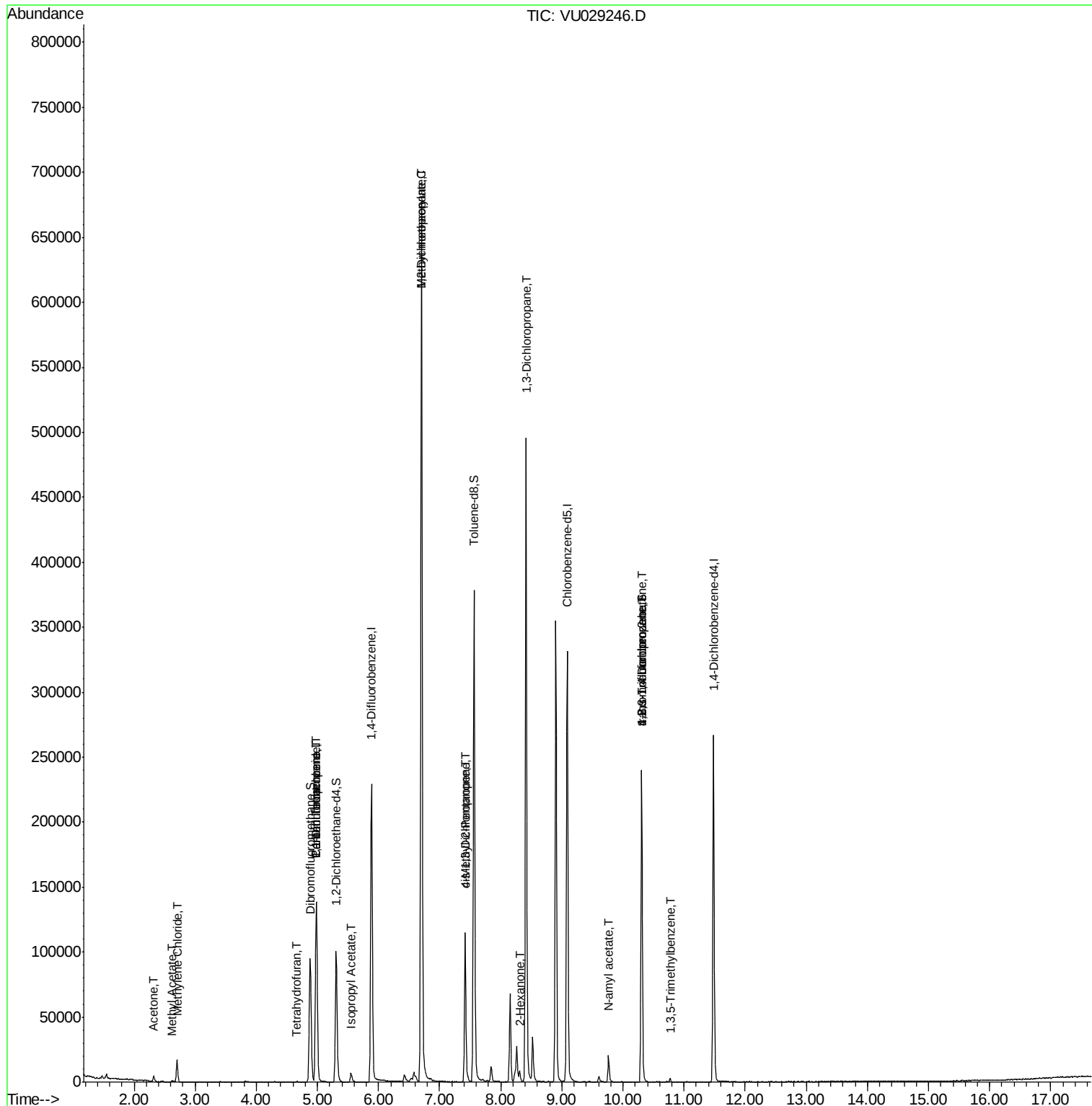
					Qvalue
3) Chloromethane	1.33	50	769	Below Cal	90
16) Acetone	2.32	43	4619	5.249 ug/l	93
17) Carbon Disulfide	2.47	76	172	Below Cal	# 75
18) Methyl Acetate	2.62	43	1450	0.709 ug/l	# 78
20) Methylene Chloride	2.70	84	7804	5.224 ug/l	# 98
29) Tetrahydrofuran	4.65	42	212	0.294 ug/l	# 45
31) Cyclohexane	4.98	56	1860	Below Cal	# 1
36) 1,1-Dichloropropene	4.98	75	8324	4.215 ug/l	# 46
38) Carbon Tetrachloride	4.98	117	10360	6.290 ug/l	# 17
43) Isopropyl Acetate	5.55	43	8230	2.475 ug/l	# 92
45) 1,2-Dichloropropane	6.70	63	719	0.442 ug/l	# 43
48) Methyl methacrylate	6.70	41	57267	35.367 ug/l	# 36
51) 4-Methyl-2-Pentanone	7.42	43	41122	18.170 ug/l	# 43
54) cis-1,3-Dichloropropene	7.42	75	20945	8.427 ug/l	# 62
57) 1,3-Dichloropropane	8.41	76	5116	1.990 ug/l	# 42
59) 2-Hexanone	8.31	43	6712	3.778 ug/l	# 21
74) N-amyl acetate	9.76	43	6209	2.682 ug/l	# 49
76) 1,2,3-Trichloropropane	10.30	75	38832	21.832 ug/l	# 36
80) 1,3,5-Trimethylbenzene	10.77	105	2144	0.478 ug/l	# 99
81) trans-1,4-Dichloro-2-buten	10.30	75	38832	56.306 ug/l	# 100

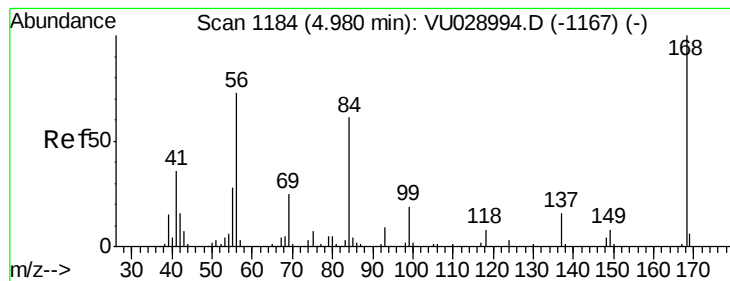
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

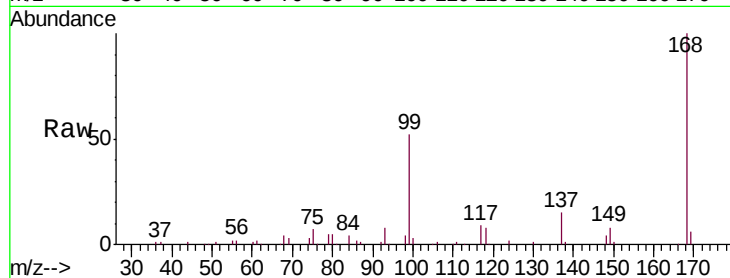
PB116506ZHE#06

Tgt Ion:168 Resp: 112990

Ion Ratio Lower Upper

168 100

99 52.1 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

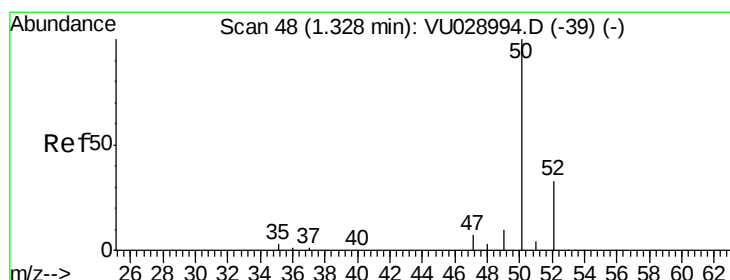
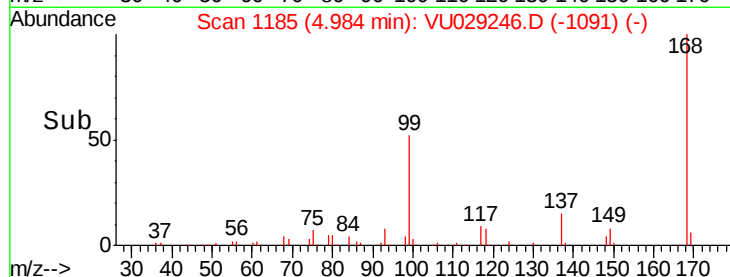
0

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: VU029246.D

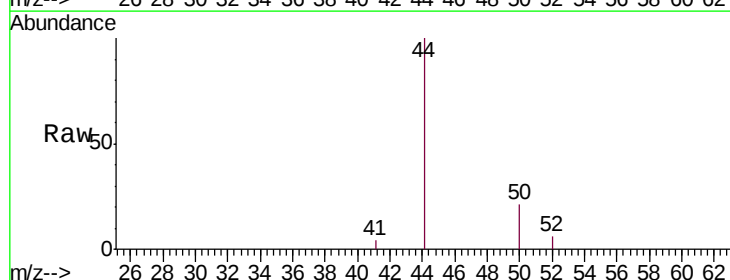
Acq: 21 Jan 2019 14:08

Tgt Ion: 50 Resp: 769

Ion Ratio Lower Upper

50 100

52 26.7 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

600

400

200

0

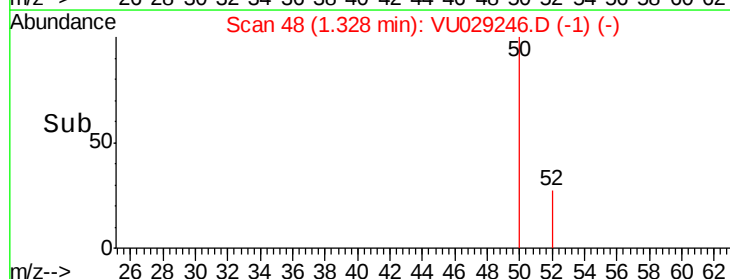
1.30

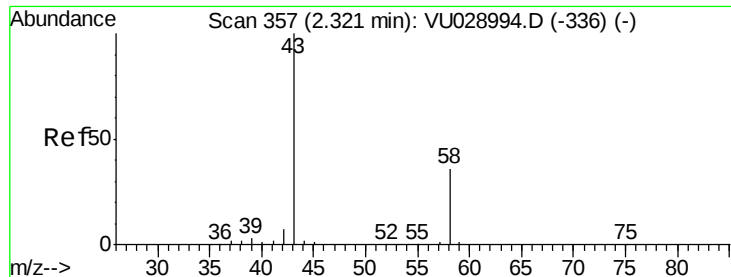
1.32

1.34

1.36

Time-->





#16

Acetone

Concen: 5.249 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

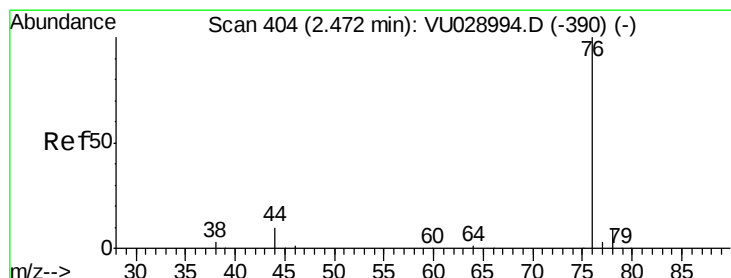
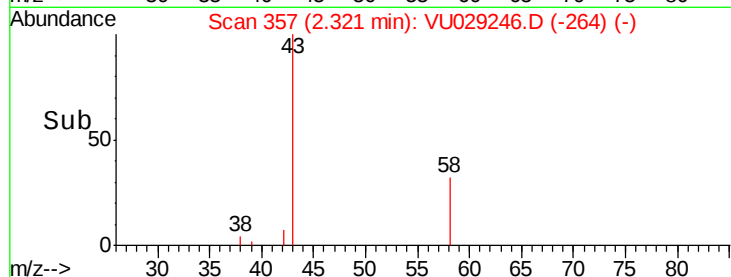
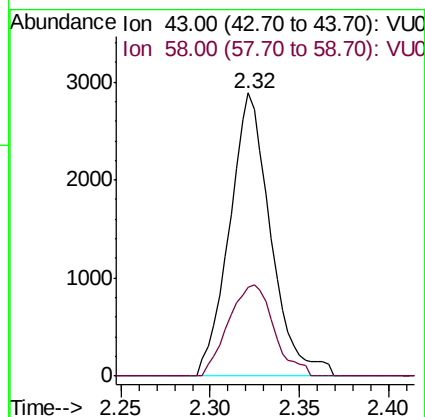
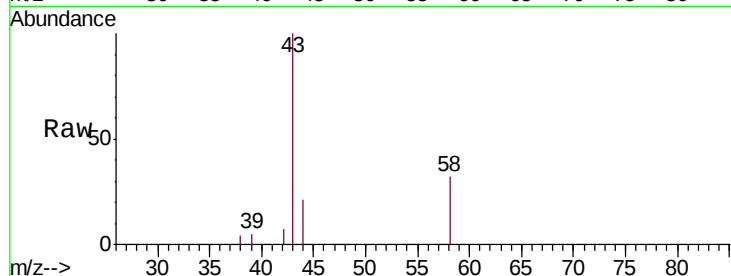
PB116506ZHE#06

Tgt Ion: 43 Resp: 4619

Ion Ratio Lower Upper

43 100

58 31.6 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029246.D

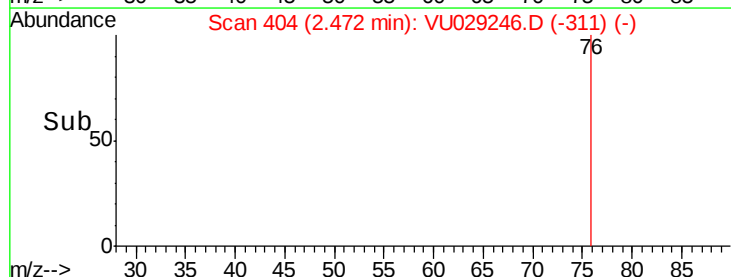
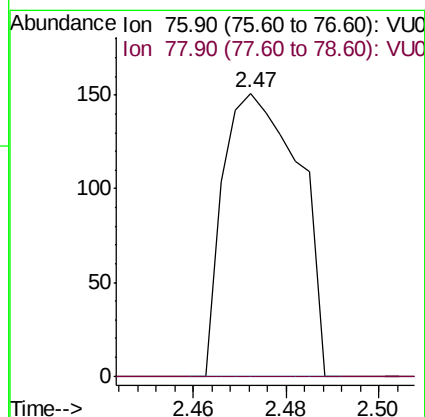
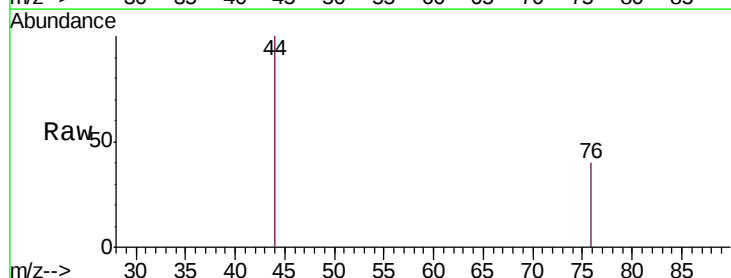
Acq: 21 Jan 2019 14:08

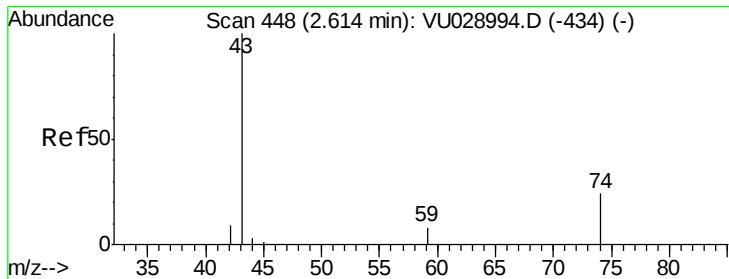
Tgt Ion: 76 Resp: 172

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.709 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

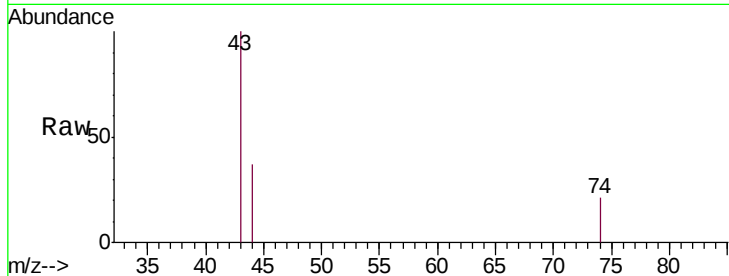
PB116506ZHE#06

Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

74 13.3 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028994.D (-434) (-)

2.62

800

600

400

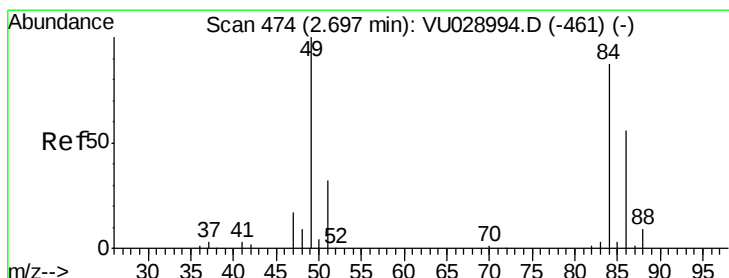
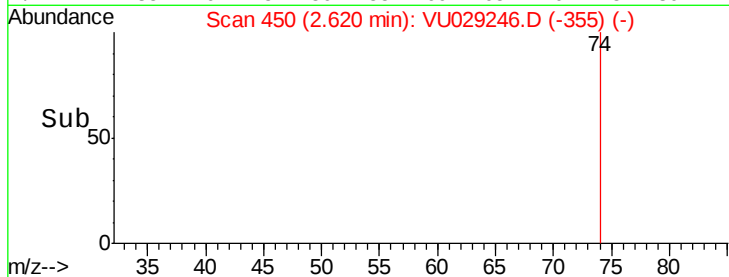
200

0

2.60

2.65

Time-->



#20

Methylene Chloride

Concen: 5.224 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Tgt Ion: 84 Resp: 7804

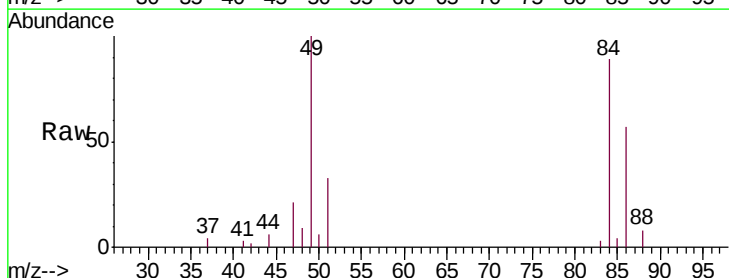
Ion Ratio Lower Upper

84 100

49 112.1 91.9 137.9

51 36.9 29.2 43.8

86 63.4 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VU029246.D (-381) (-)

Ion 48.90 (48.60 to 49.60): VU029246.D (-381) (-)

Ion 50.90 (50.60 to 51.60): VU029246.D (-381) (-)

Ion 85.90 (85.60 to 86.60): VU029246.D (-381) (-)

8000

6000

4000

2000

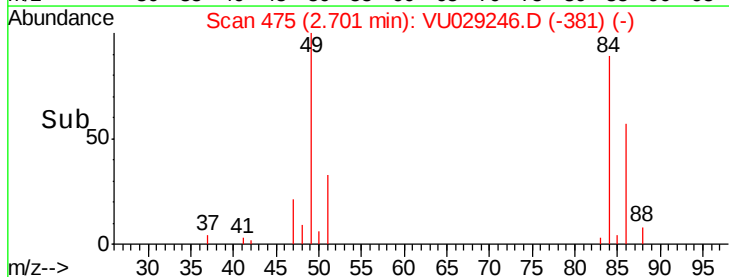
0

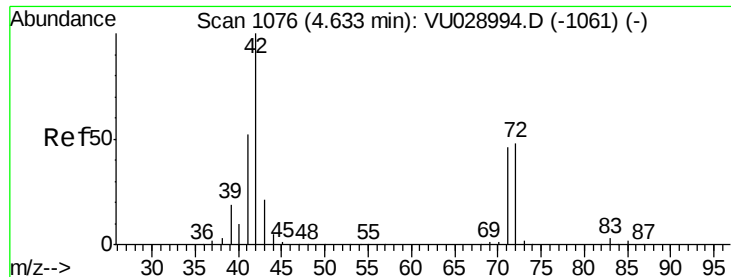
2.65

2.70

2.75

Time-->





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#06

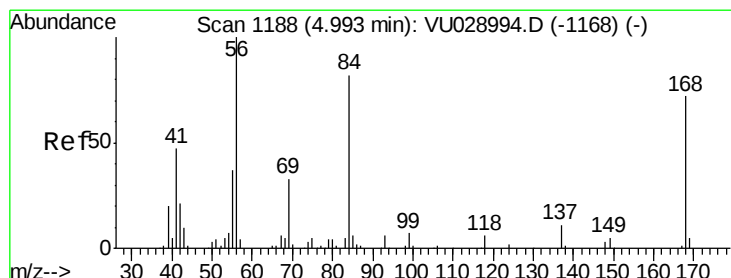
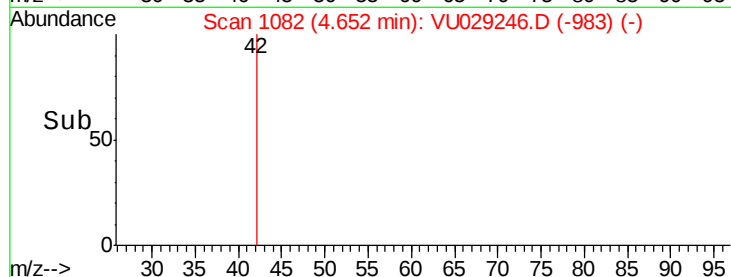
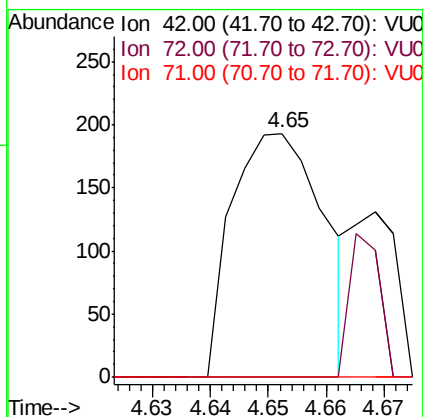
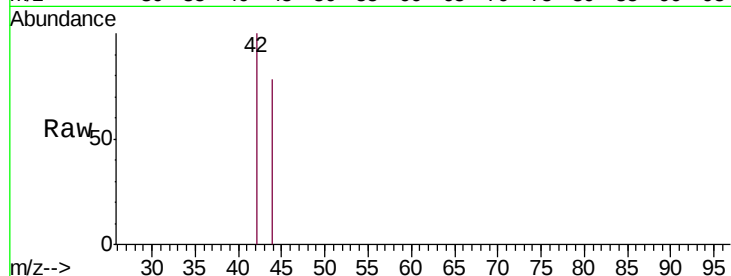
Tgt Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

72 19.3 38.3 57.5#

71 0.0 36.1 54.1#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

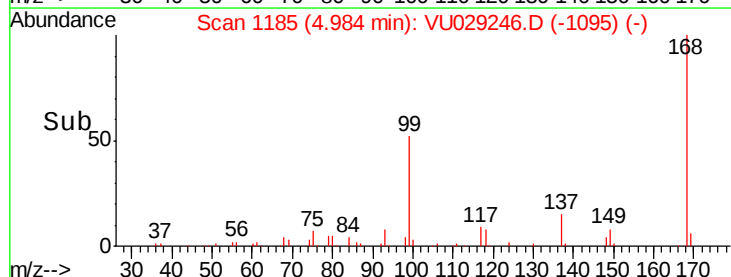
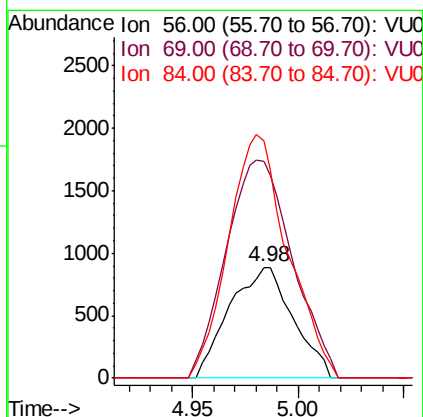
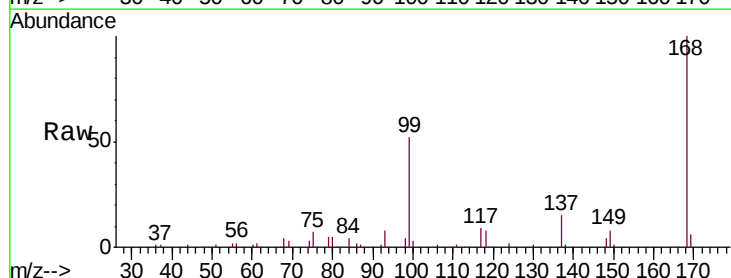
Tgt Ion: 56 Resp: 1860

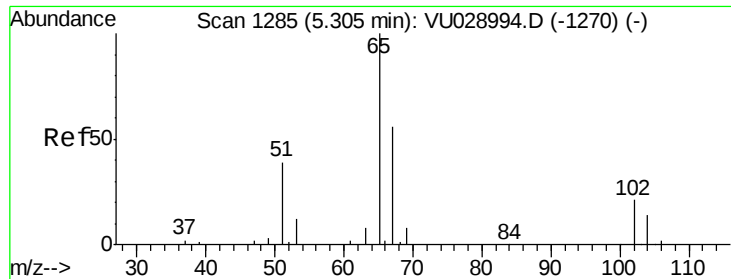
Ion Ratio Lower Upper

56 100

69 195.8 26.7 40.1#

84 214.8 65.7 98.5#

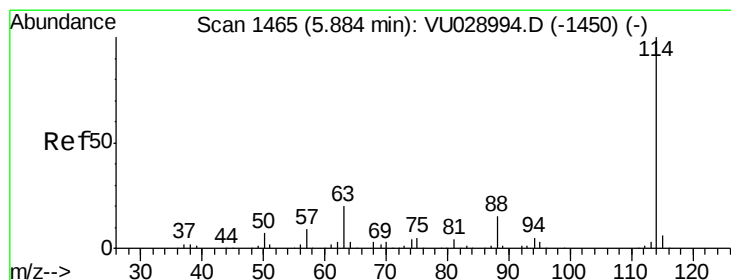
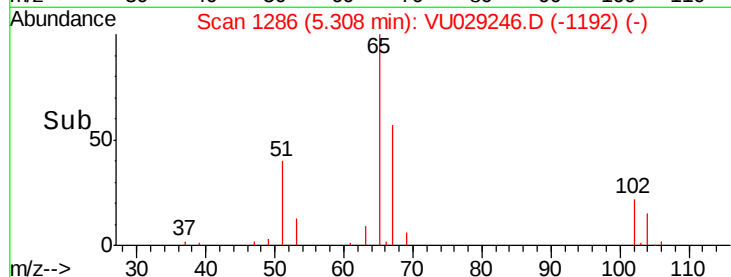
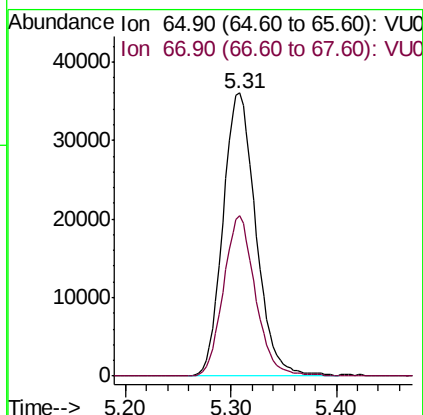
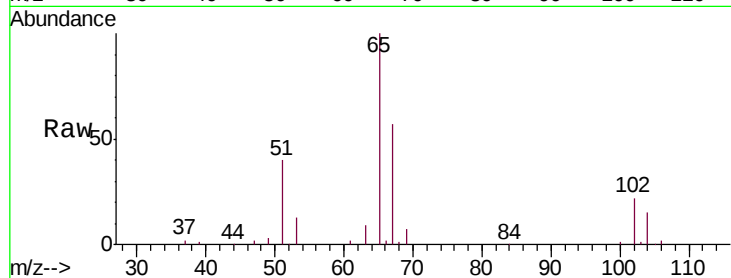




#33
 1,2-Dichloroethane-d4
 Concen: 55.724 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029246.D
 Acq: 21 Jan 2019 14:08

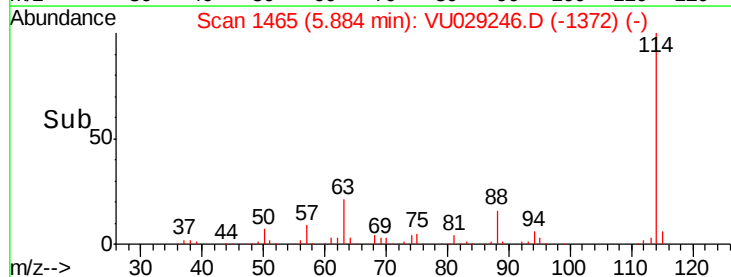
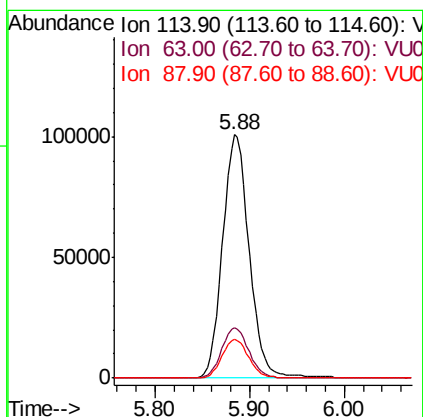
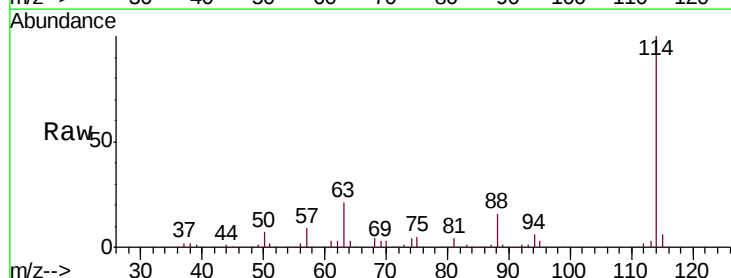
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#06

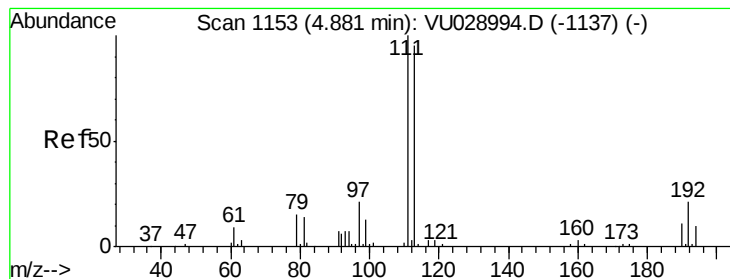
Tgt Ion: 65 Resp: 77834
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029246.D
 Acq: 21 Jan 2019 14:08

Tgt Ion: 114 Resp: 197582
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.561 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#06

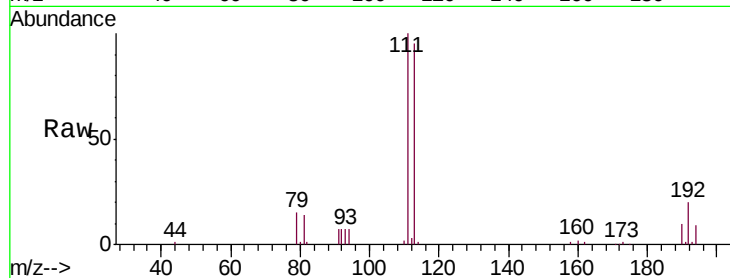
Tgt Ion:113 Resp: 67319

Ion Ratio Lower Upper

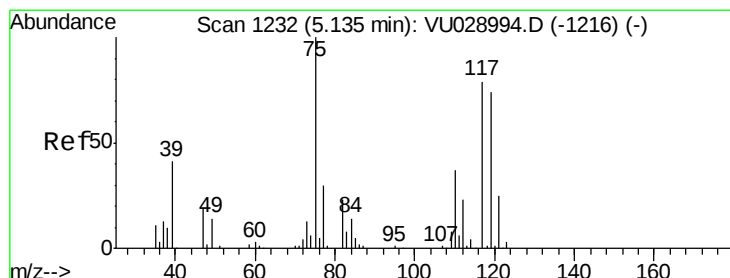
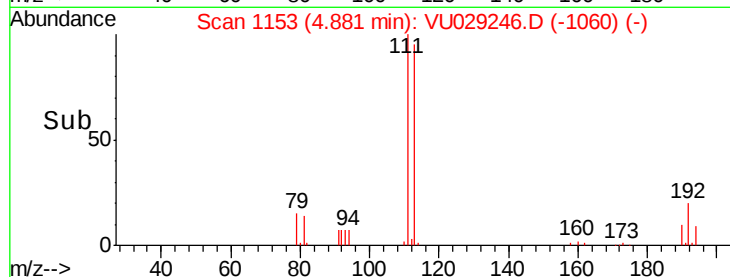
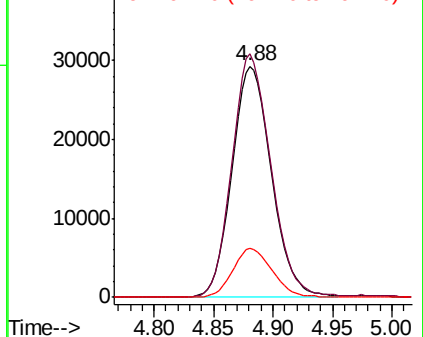
113 100

111 104.3 81.4 122.2

192 21.1 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: 4.215 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

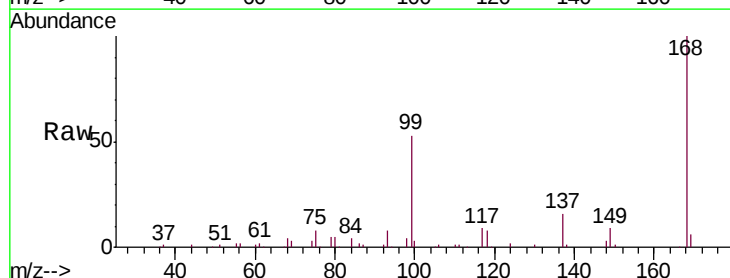
Tgt Ion: 75 Resp: 8324

Ion Ratio Lower Upper

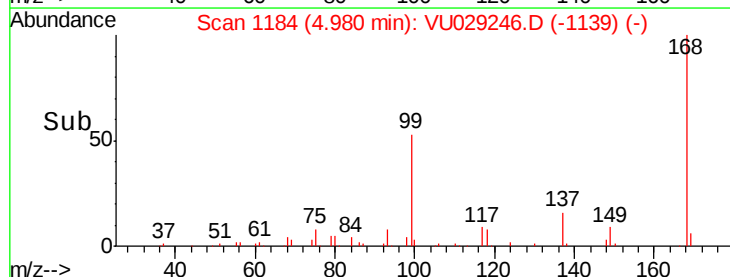
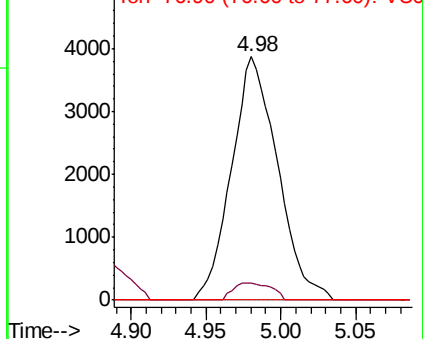
75 100

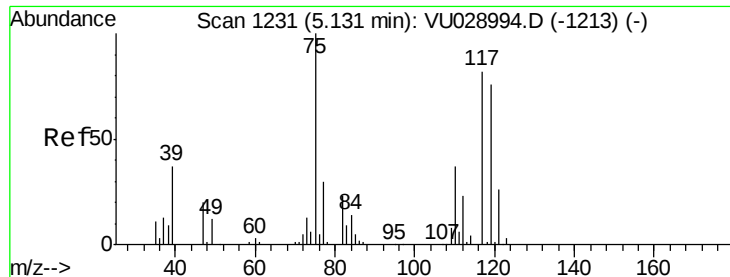
110 5.8 18.4 55.4#

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

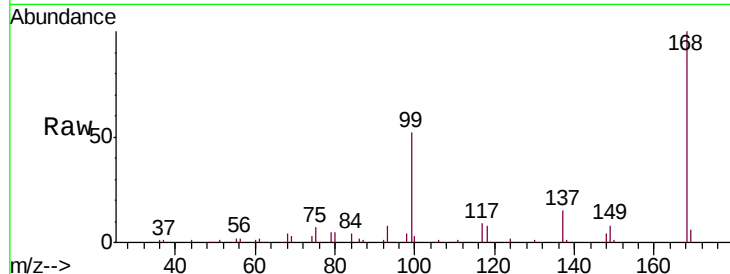




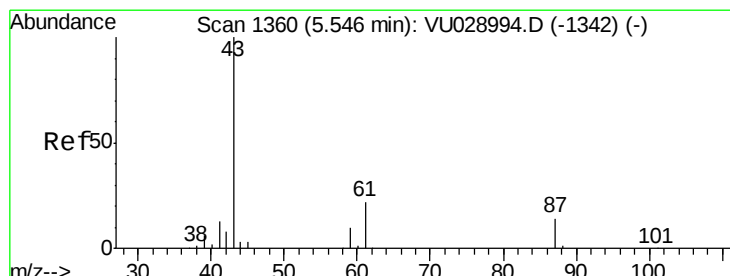
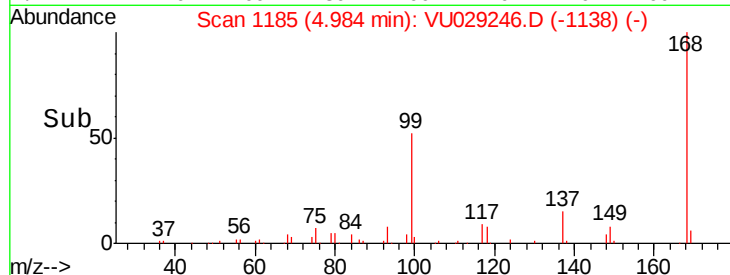
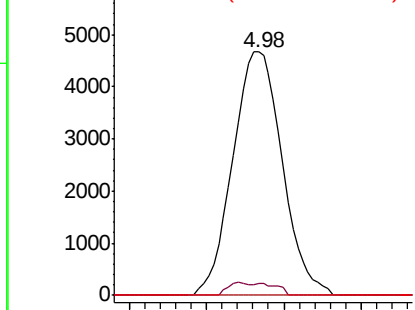
#38
Carbon Tetrachloride
Concen: 6.290 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#06

Tgt Ion:117 Resp: 10360
Ion Ratio Lower Upper
117 100
119 5.0 74.6 111.8#
121 0.0 25.0 37.6#

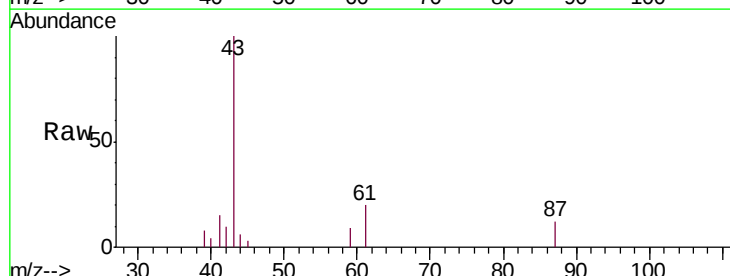


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

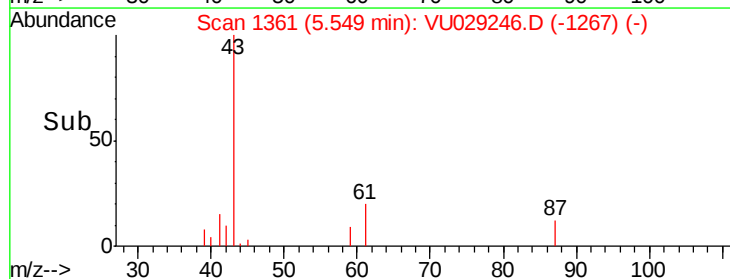
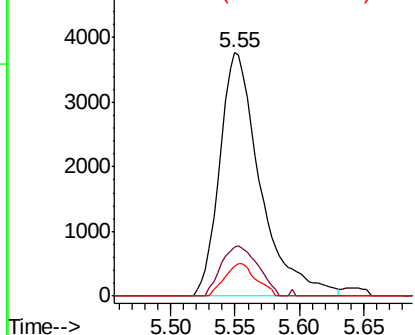


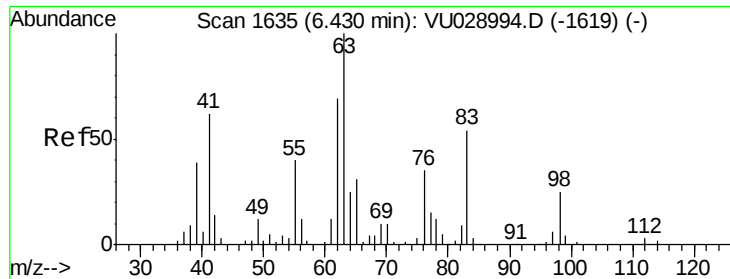
#43
Isopropyl Acetate
Concen: 2.475 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Tgt Ion: 43 Resp: 8230
Ion Ratio Lower Upper
43 100
61 18.7 17.8 26.6
87 10.2 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: 0.442 ug/l

RT: 6.70 min Scan# 1718

Delta R.T. 0.27 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

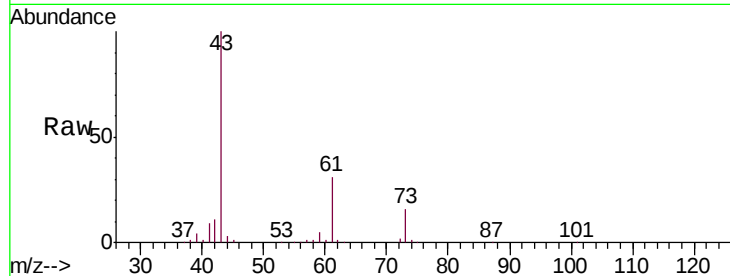
PB116506ZHE#06

Tgt Ion: 63 Resp: 719

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

6.70

400

300

200

100

0

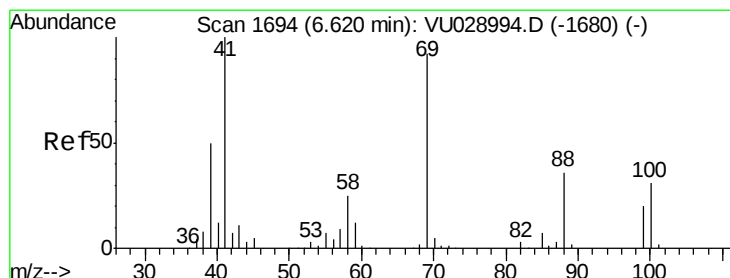
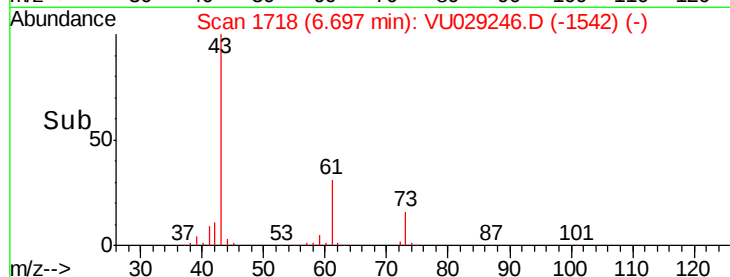
Time-->

6.66

6.68

6.70

6.72



#48

Methyl methacrylate

Concen: 35.367 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.08 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

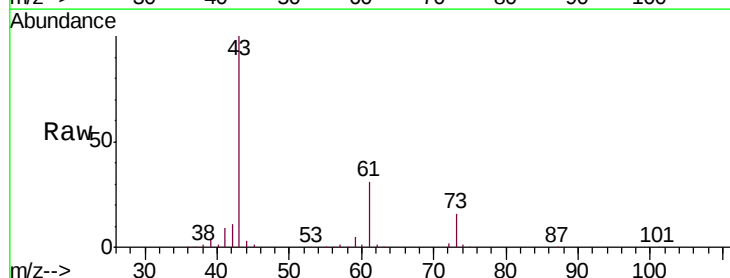
Tgt Ion: 41 Resp: 57267

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

39 47.2 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

40000

30000

20000

10000

0

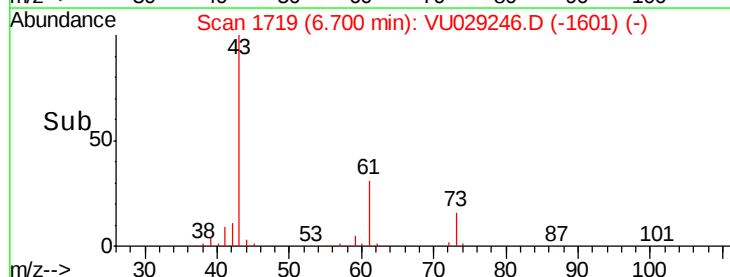
Time-->

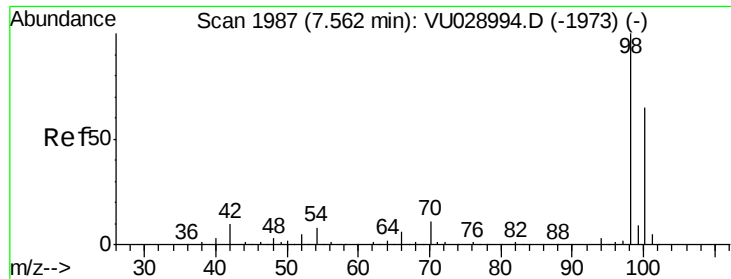
6.65

6.70

6.75

6.80

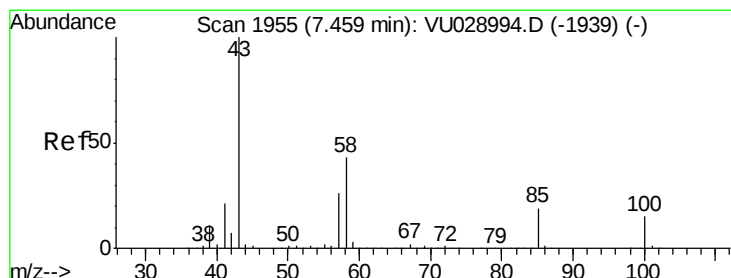
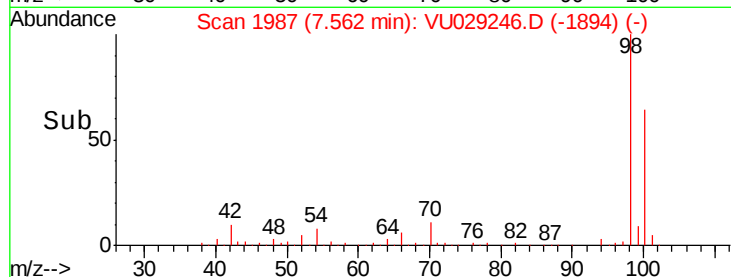
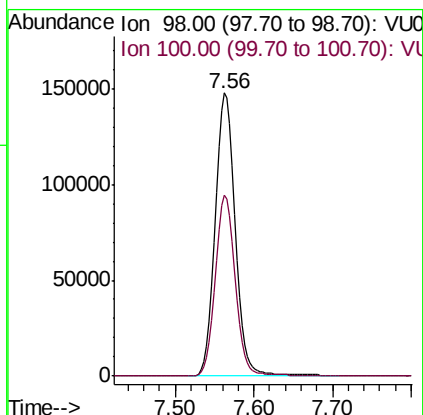
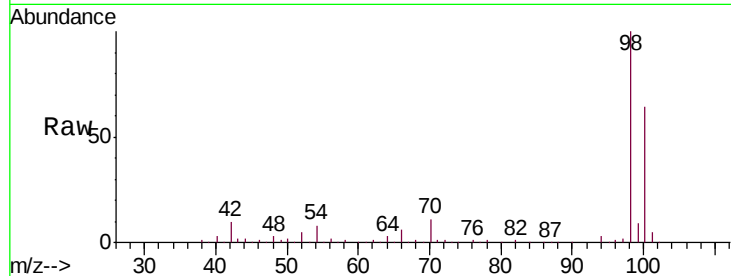




#50
Toluene-d8
Concen: 51.484 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

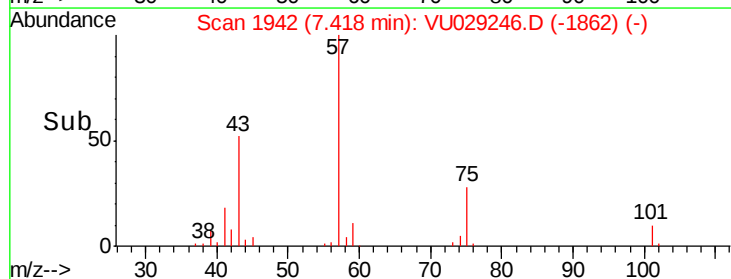
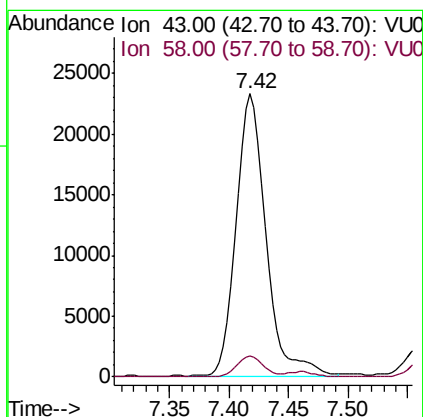
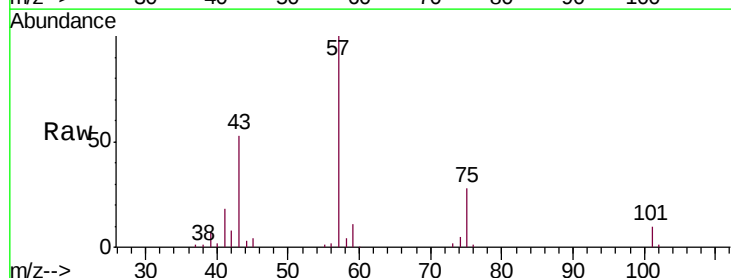
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#06

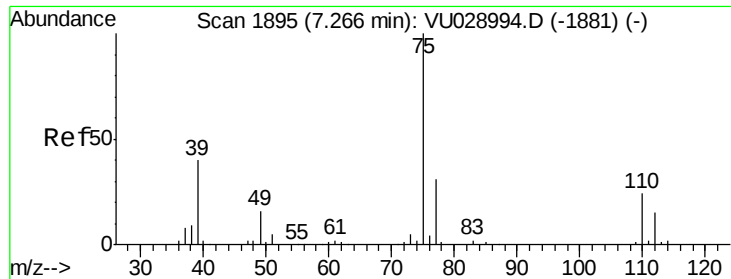
Tgt Ion: 98 Resp: 260323
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 18.170 ug/l
RT: 7.42 min Scan# 1942
Delta R.T. -0.04 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Tgt Ion: 43 Resp: 41122
Ion Ratio Lower Upper
43 100
58 6.5 33.9 50.9#

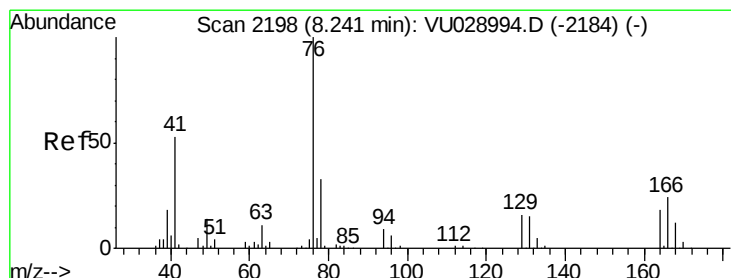
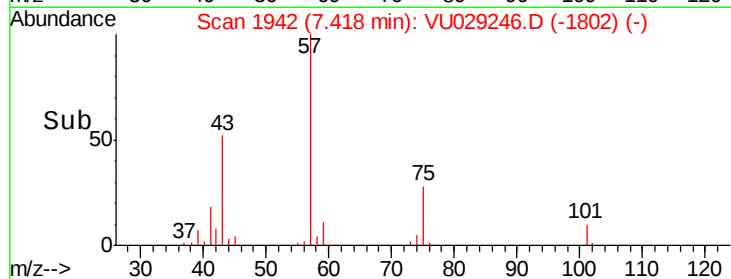
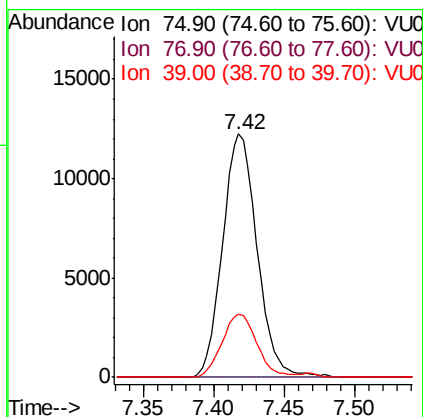
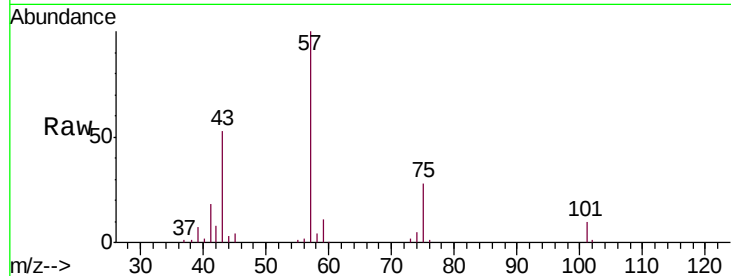




#54
 cis-1,3-Dichloropropene
 Concen: 8.427 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU029246.D
 Acq: 21 Jan 2019 14:08

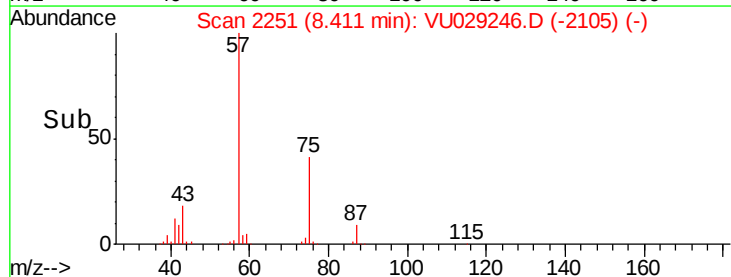
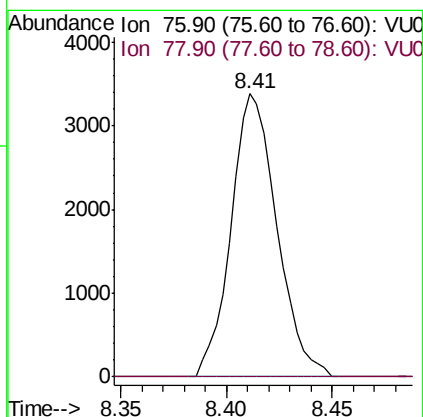
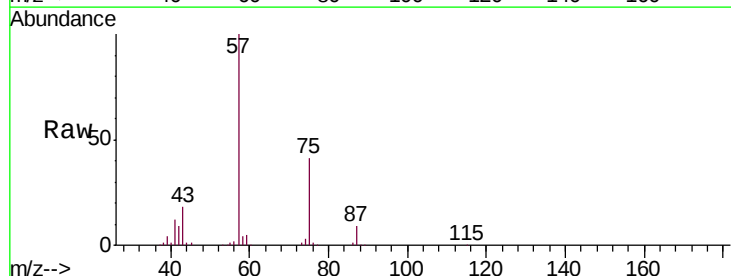
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#06

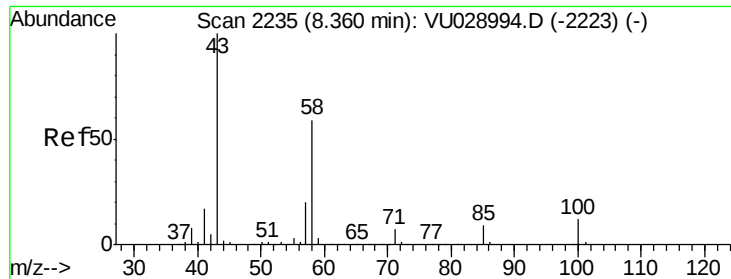
Tgt Ion: 75 Resp: 20945
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 25.7 32.2 48.4#



#57
 1,3-Dichloropropane
 Concen: 1.990 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029246.D
 Acq: 21 Jan 2019 14:08

Tgt Ion: 76 Resp: 5116
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

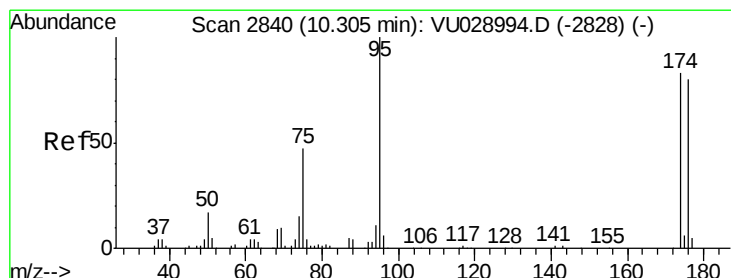
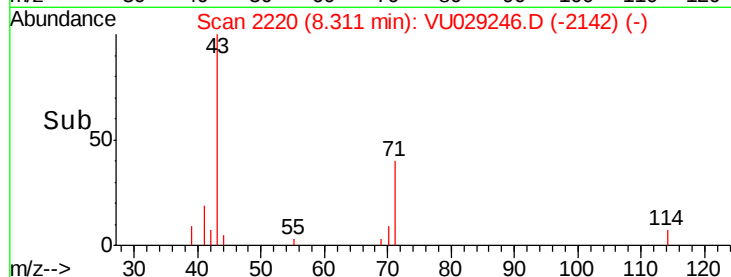
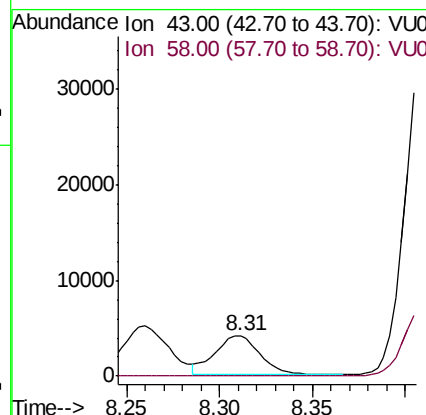
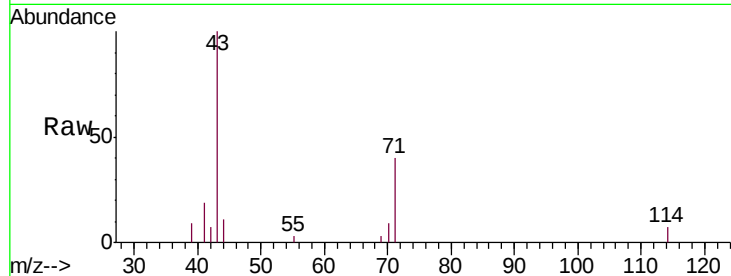




#59
2-Hexanone
Concen: 3.778 ug/l
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

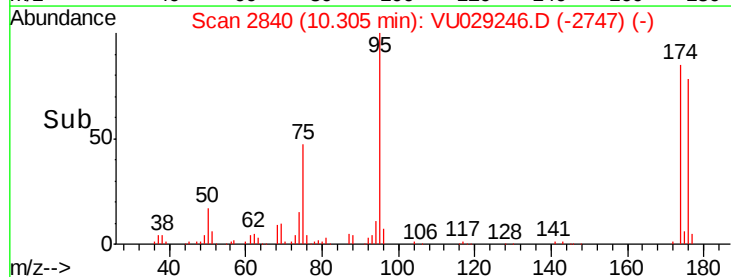
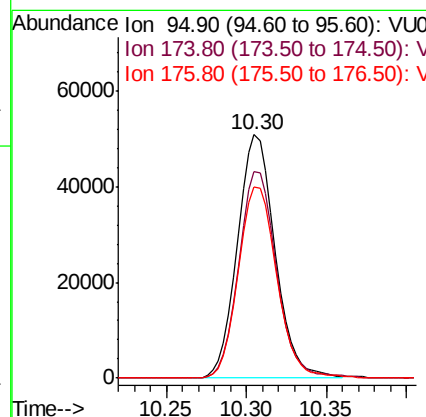
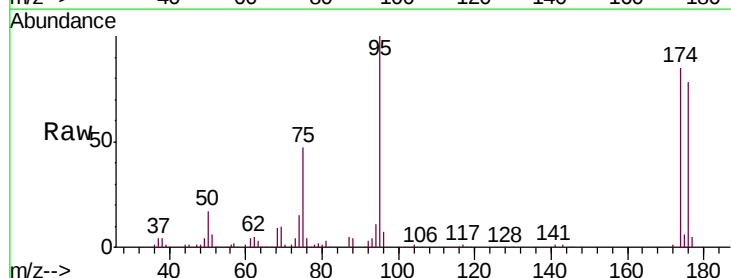
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#06

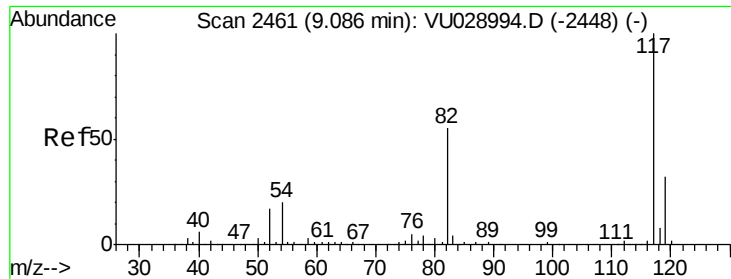
Tgt Ion: 43 Resp: 6712
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 44.795 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Tgt Ion: 95 Resp: 81400
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.6
176 80.5 0.0 165.0

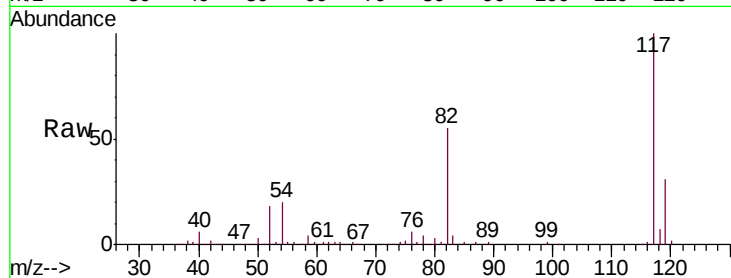




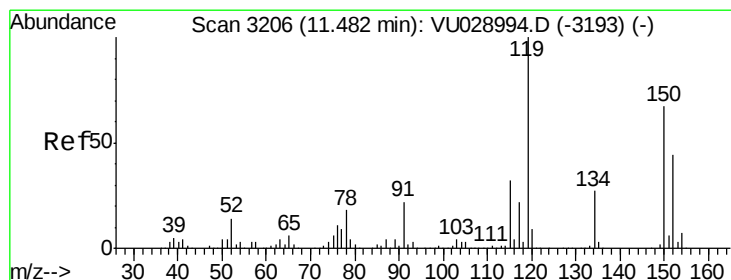
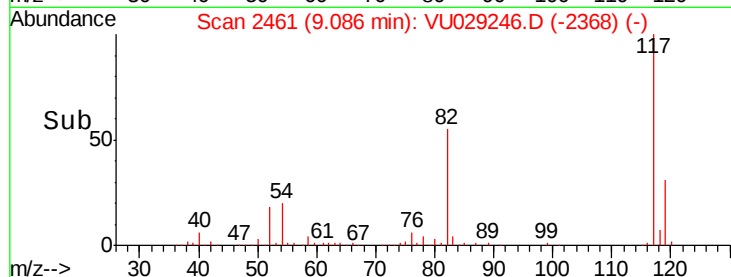
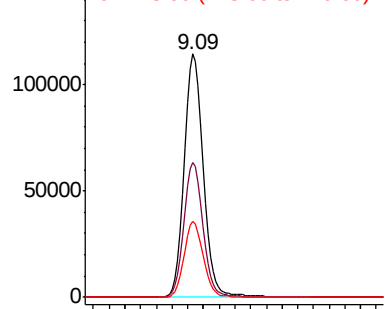
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#06

Tgt Ion:117 Resp: 192025
Ion Ratio Lower Upper
117 100
82 55.5 43.9 65.9
119 31.4 26.0 39.0

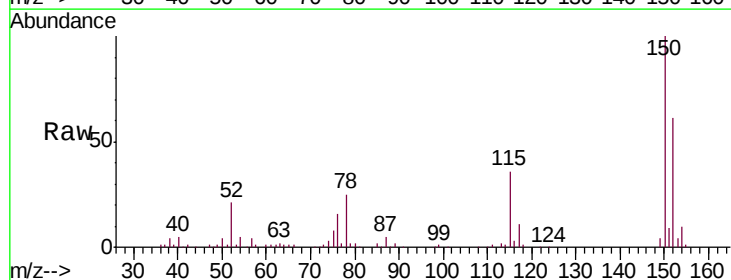


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

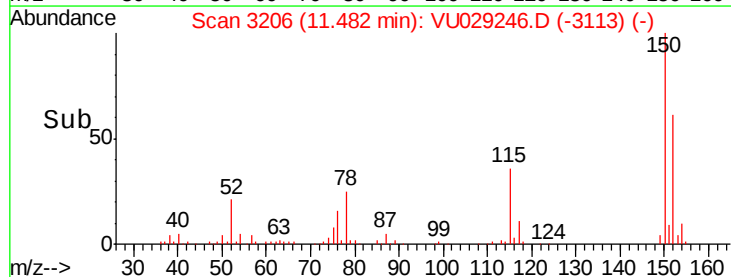
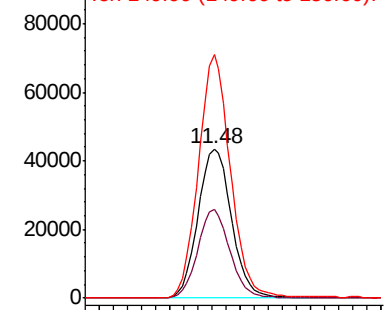


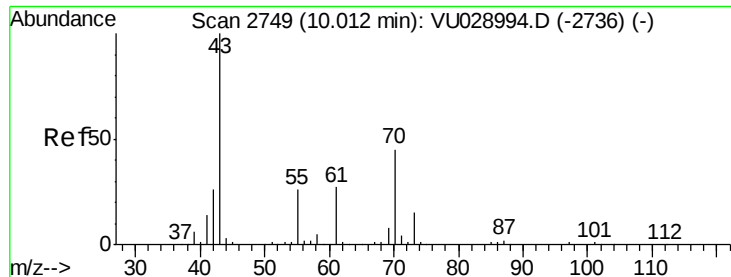
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029246.D
Acq: 21 Jan 2019 14:08

Tgt Ion:152 Resp: 72594
Ion Ratio Lower Upper
152 100
115 56.8 40.1 120.3
150 155.8 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-ethyl acetate

Concen: 2.682 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#06

Tgt Ion: 43 Resp: 6209

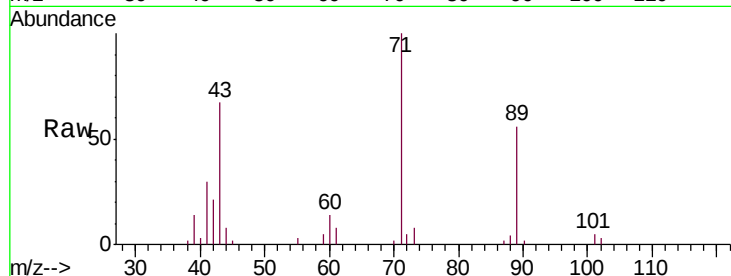
Ion Ratio Lower Upper

43 100

70 1.0 36.3 54.5#

55 4.2 20.5 30.7#

61 10.8 21.8 32.8#

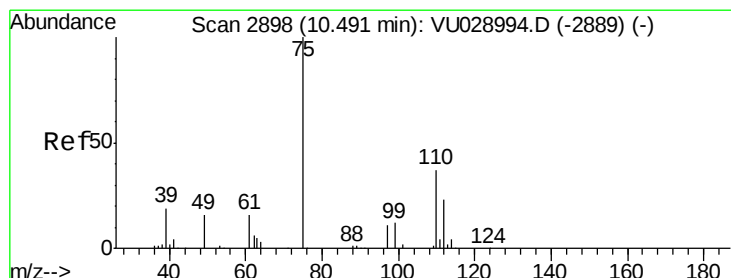
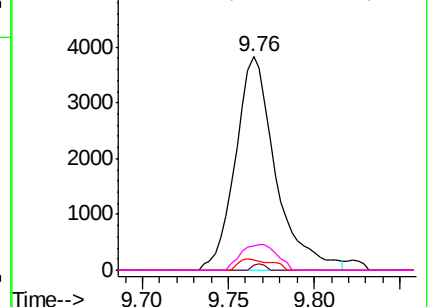
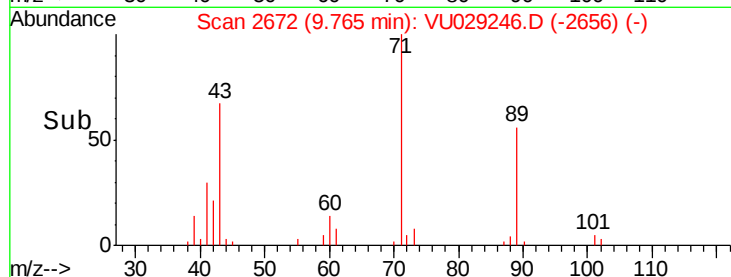


Abundance Ion 43.00 (42.70 to 43.70): VU029246.D (-2656) (-)

Ion 70.00 (69.70 to 70.70): VU029246.D (-2656) (-)

Ion 55.00 (54.70 to 55.70): VU029246.D (-2656) (-)

Ion 61.00 (60.70 to 61.70): VU029246.D (-2656) (-)



#76

1,2,3-Trichloropropane

Concen: 21.832 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029246.D

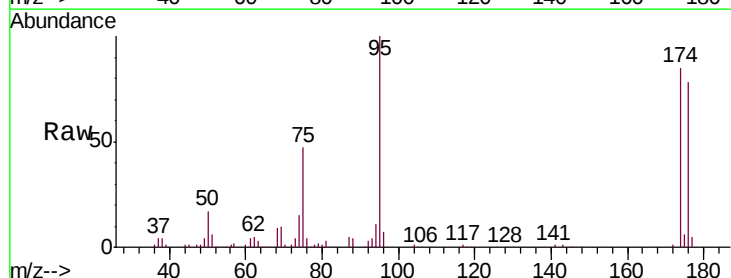
Acq: 21 Jan 2019 14:08

Tgt Ion: 75 Resp: 38832

Ion Ratio Lower Upper

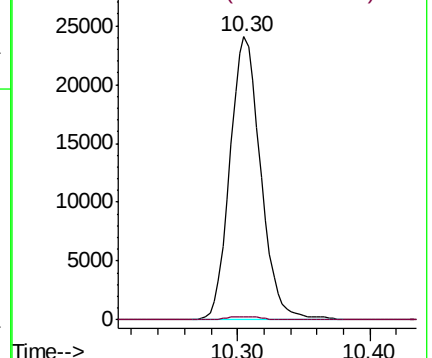
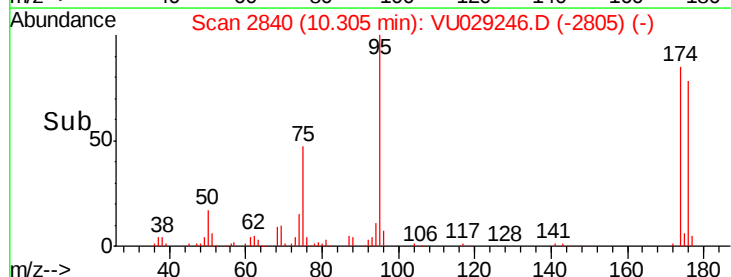
75 100

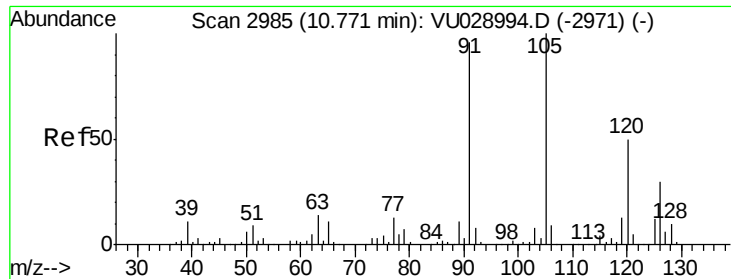
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU029246.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029246.D (-2805) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.478 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

Instrument :

MSVOA_U

ClientSampleId :

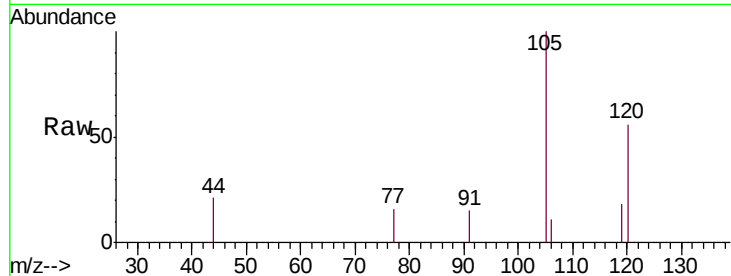
PB116506ZHE#06

Tgt Ion:105 Resp: 2144

Ion Ratio Lower Upper

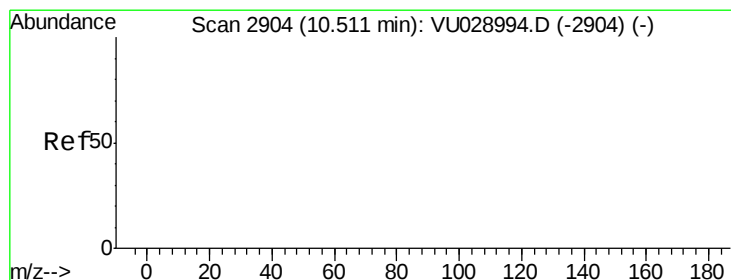
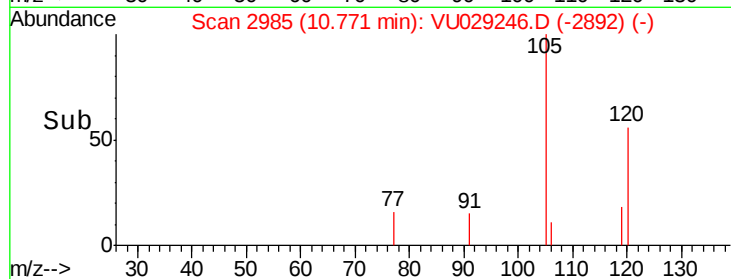
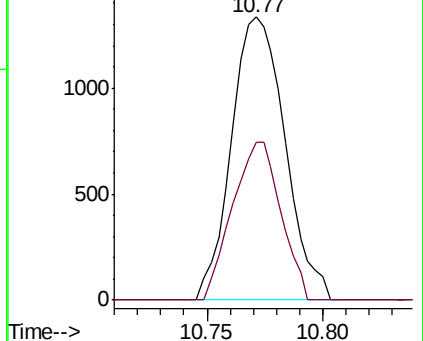
105 100

120 50.3 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: 56.306 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029246.D

Acq: 21 Jan 2019 14:08

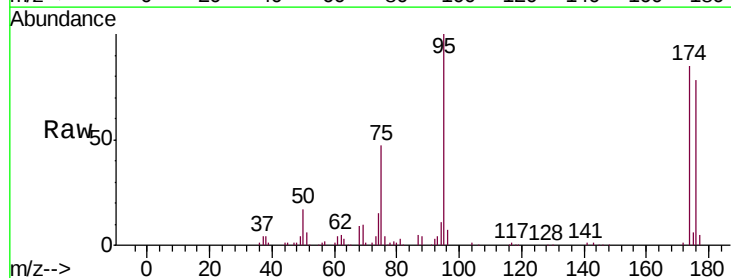
Tgt Ion: 75 Resp: 38832

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

