

Data File : VU029242.D
Acq On : 21 Jan 2019 12:32
Operator : JC/SP
Sample : PB116506ZHE#03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#03

Quant Time: Jan 22 01:07:38 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	114698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	202278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	191651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77099	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	77547	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
35) Dibromofluoromethane	4.88	113	68869	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	7.56	98	264251	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.30	95	84385	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

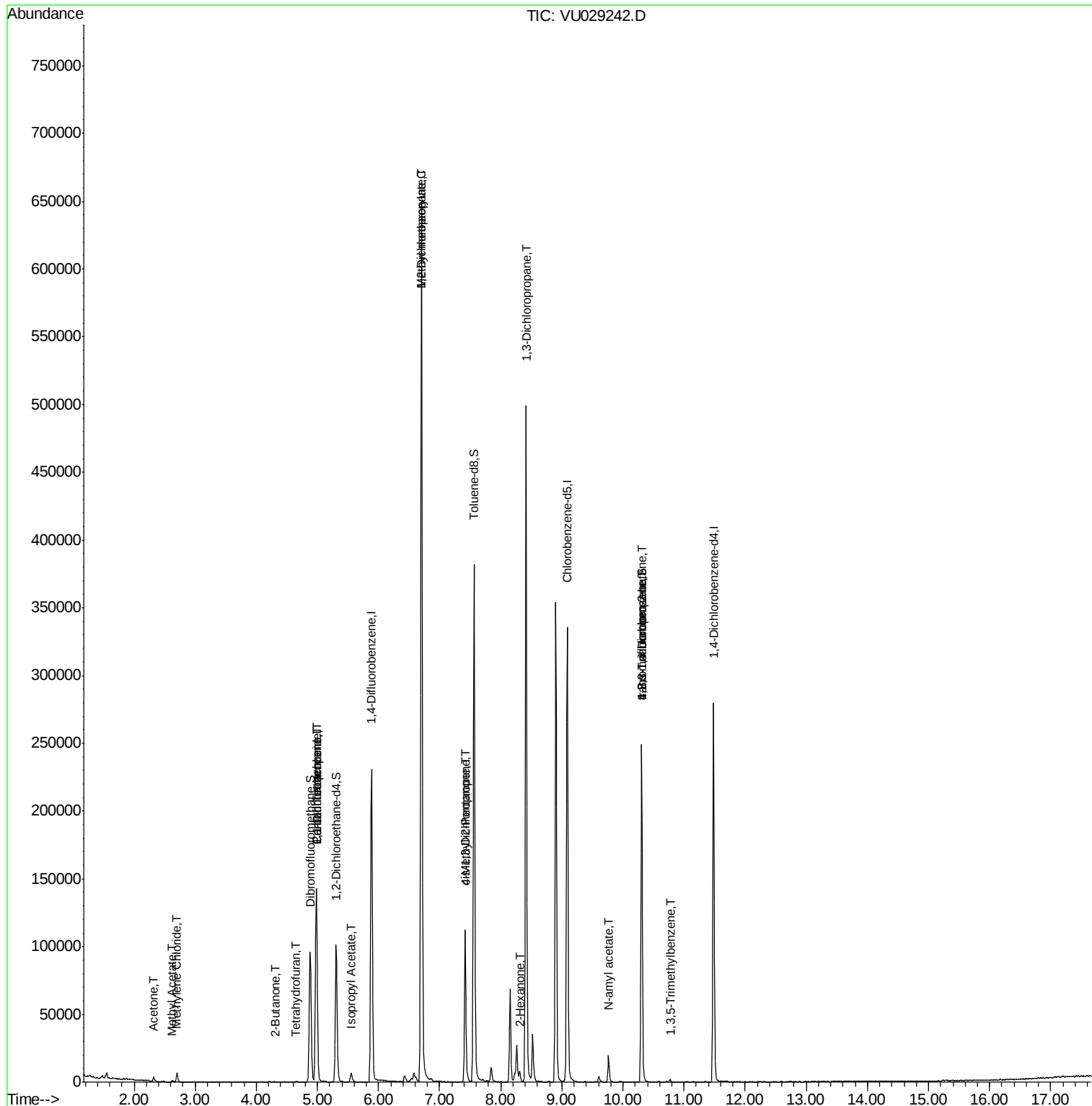
Target Compounds			Qvalue			
3) Chloromethane	1.33	50	666	Below Cal	#	86
16) Acetone	2.32	43	4471	5.006	ug/l #	85
17) Carbon Disulfide	2.48	76	381	Below Cal	#	75
18) Methyl Acetate	2.62	43	1275	0.614	ug/l #	68
20) Methylene Chloride	2.70	84	2970	1.958	ug/l	91
25) 2-Butanone	4.31	43	256	0.212	ug/l #	47
29) Tetrahydrofuran	4.66	42	361	0.493	ug/l #	30
31) Cyclohexane	4.98	56	2094	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8369	4.139	ug/l #	47
38) Carbon Tetrachloride	4.98	117	10140	6.013	ug/l #	17
43) Isopropyl Acetate	5.55	43	8510	2.500	ug/l	94
45) 1,2-Dichloropropane	6.70	63	699	0.420	ug/l #	43
48) Methyl methacrylate	6.70	41	54477	32.863	ug/l #	36
51) 4-Methyl-2-Pentanone	7.42	43	40683	17.559	ug/l #	44
54) cis-1,3-Dichloropropene	7.42	75	21166	8.318	ug/l #	62
57) 1,3-Dichloropropane	8.41	76	5057	1.921	ug/l #	42
59) 2-Hexanone	8.31	43	6337	3.484	ug/l #	21
74) N-amyl acetate	9.76	43	6664	2.710	ug/l #	46
76) 1,2,3-Trichloropropane	10.30	75	39901	21.122	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	1203	0.252	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.30	75	39901	54.475	ug/l #	100

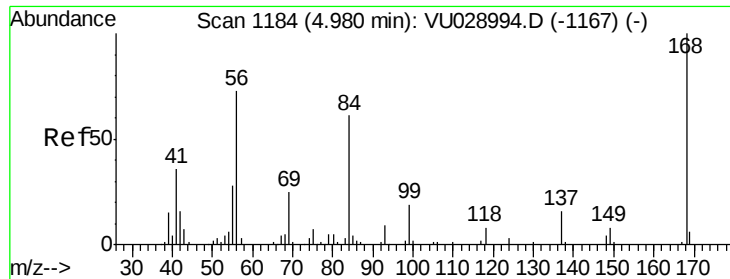
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

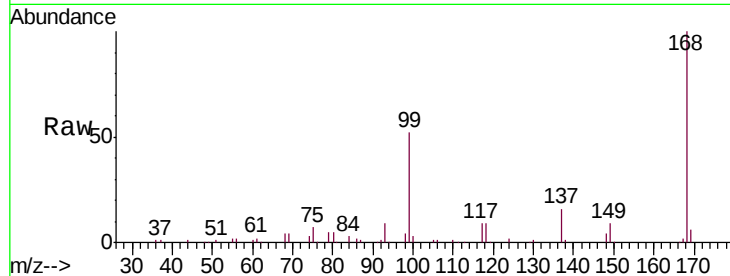
PB116506ZHE#03

Tgt Ion:168 Resp: 114698

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0

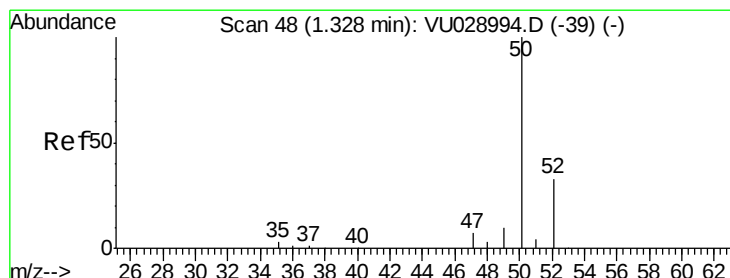
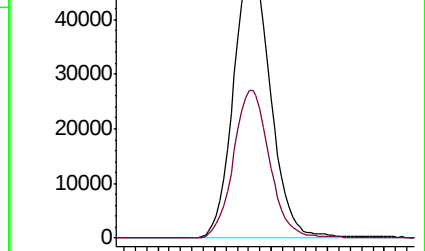
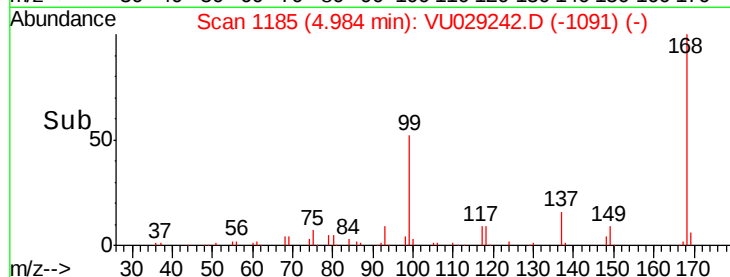


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

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

4.98

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029242.D

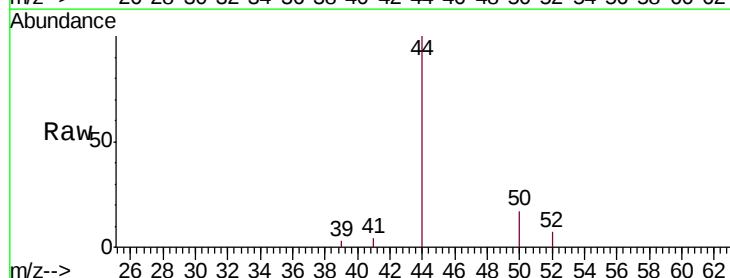
Acq: 21 Jan 2019 12:32

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

50 100

52 40.3 26.1 39.1#

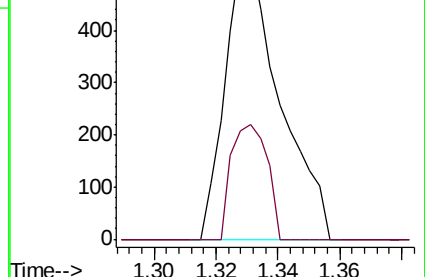
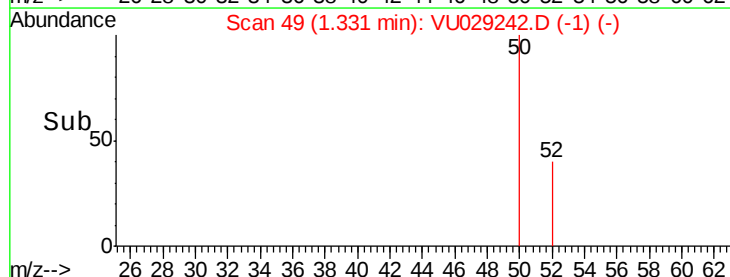


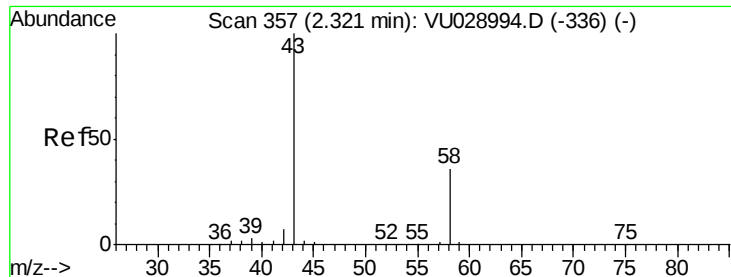
Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

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

1.33

Time-->





#16

Acetone

Concen: 5.006 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

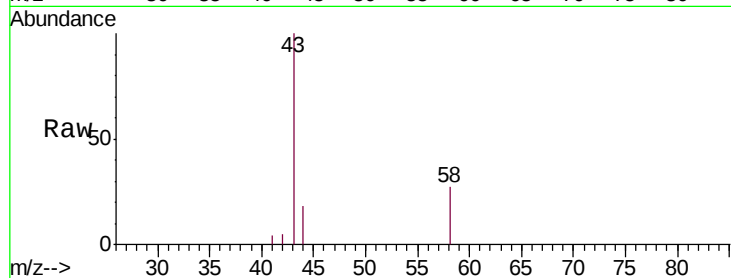
PB116506ZHE#03

Tgt Ion: 43 Resp: 4471

Ion Ratio Lower Upper

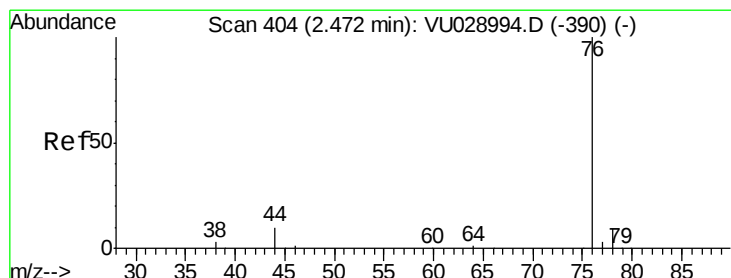
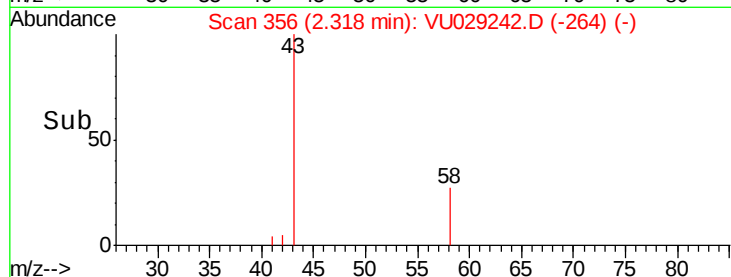
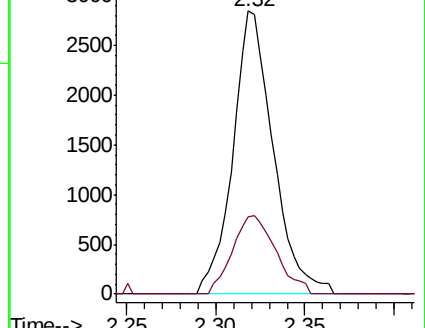
43 100

58 27.1 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029242.D

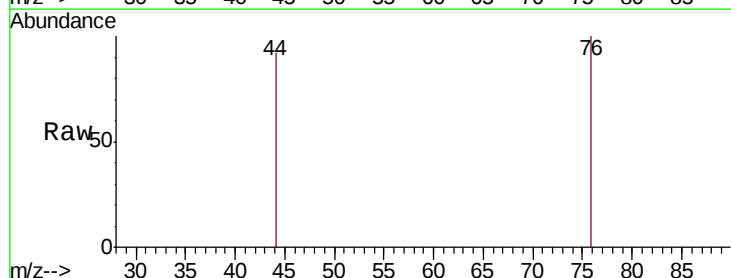
Acq: 21 Jan 2019 12:32

Tgt Ion: 76 Resp: 381

Ion Ratio Lower Upper

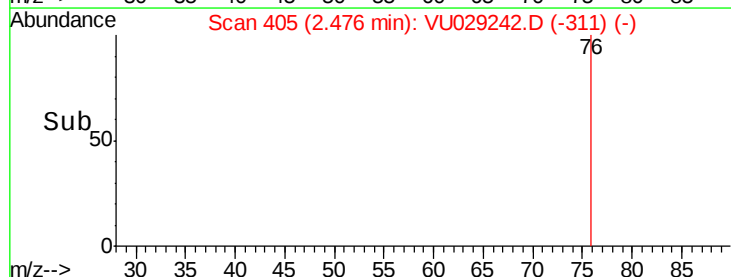
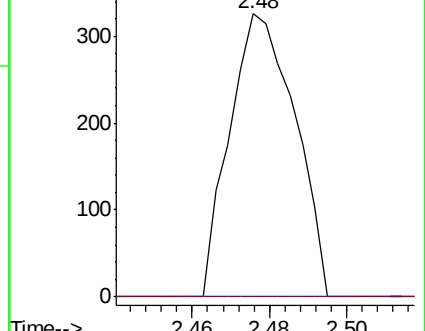
76 100

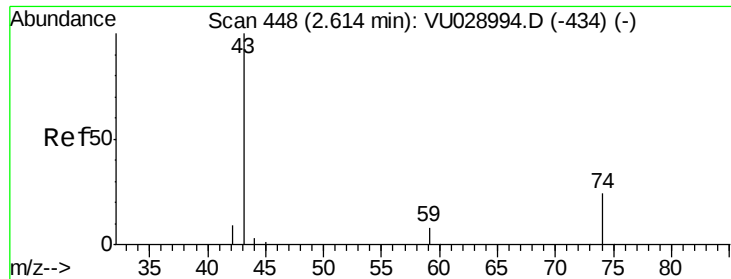
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU028994.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028994.D (-390) (-)

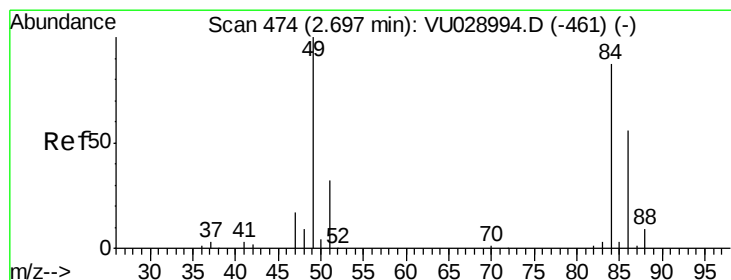
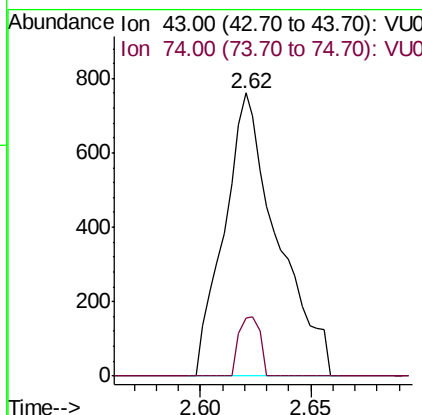
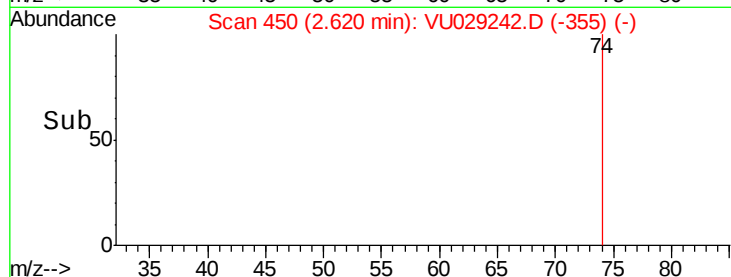
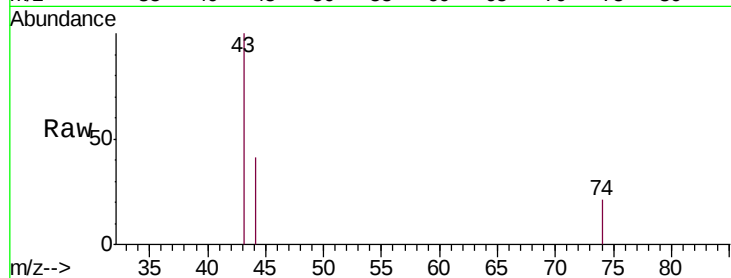




#18
Methyl Acetate
Concen: 0.614 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

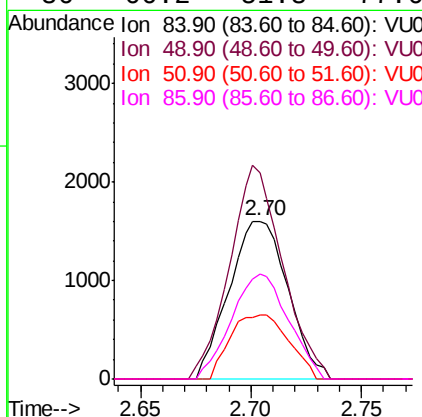
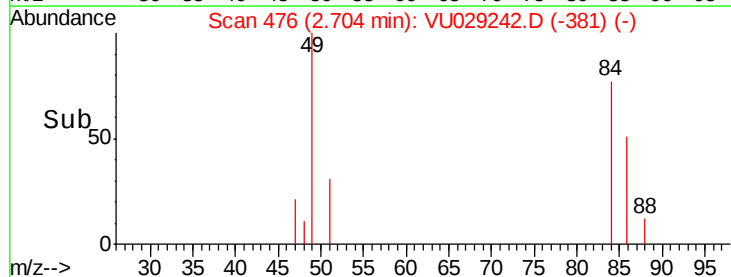
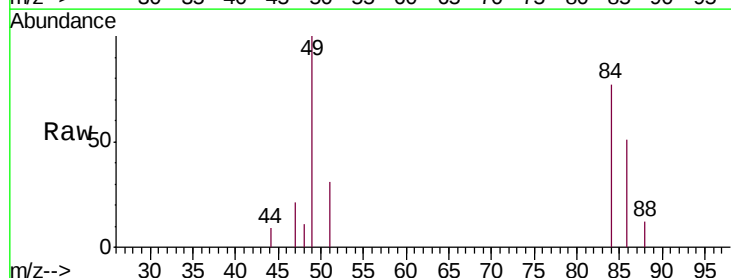
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#03

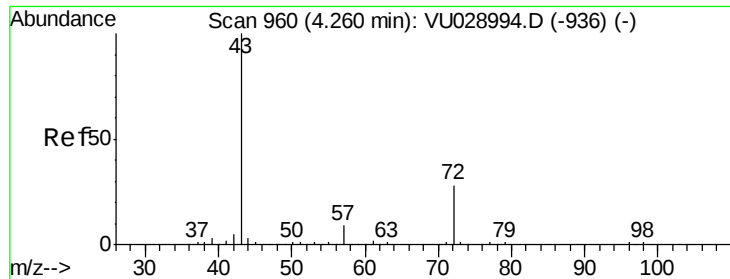
Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
74 8.3 19.5 29.3#



#20
Methylene Chloride
Concen: 1.958 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

Tgt Ion: 84 Resp: 2970
Ion Ratio Lower Upper
84 100
49 130.6 91.9 137.9
51 40.6 29.2 43.8
86 66.2 51.8 77.6





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.31 min Scan# 975

Delta R.T. 0.05 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

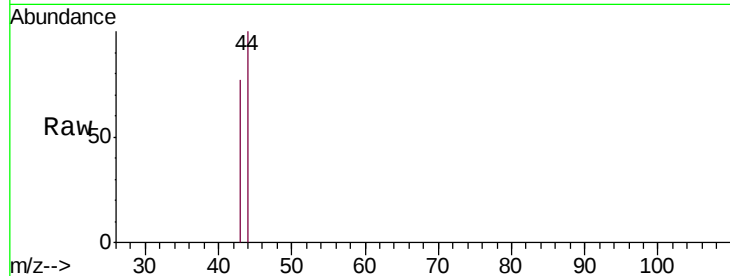
PB116506ZHE#03

Tgt Ion: 43 Resp: 256

Ion Ratio Lower Upper

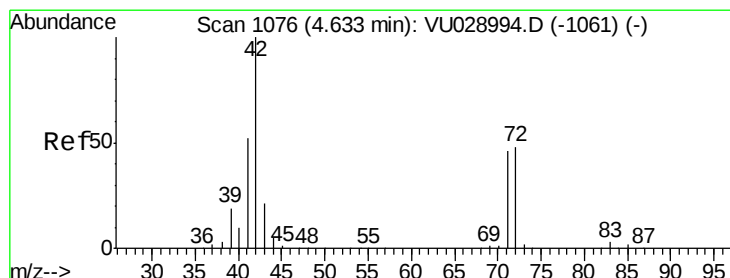
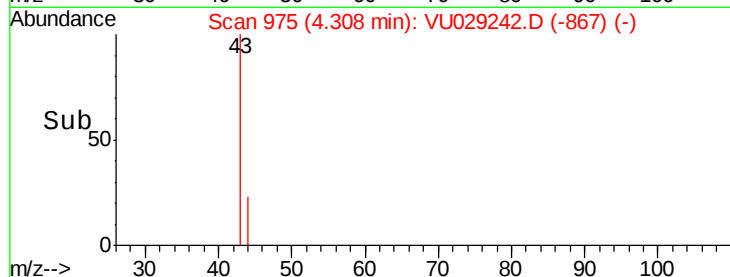
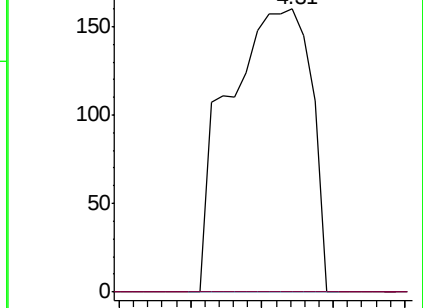
43 100

72 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#29

Tetrahydrofuran

Concen: 0.493 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

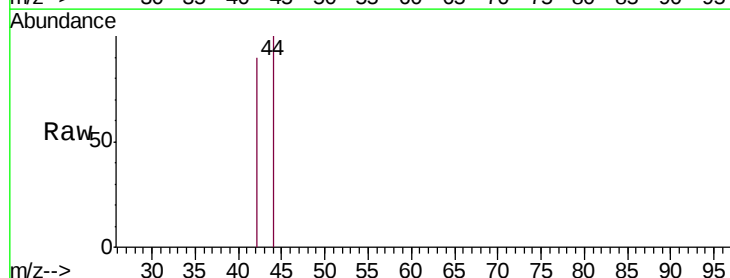
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

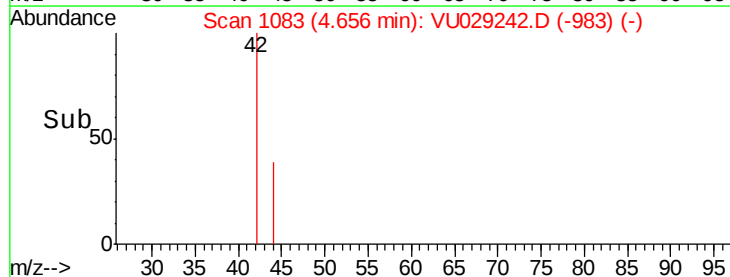
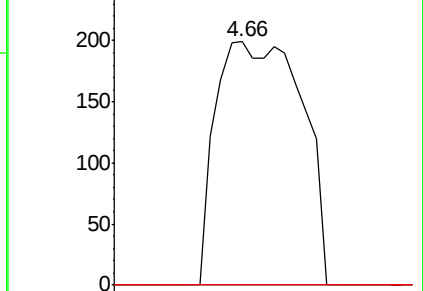
71 0.0 36.1 54.1#

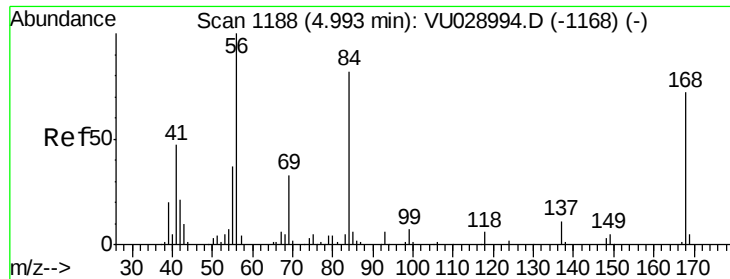


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

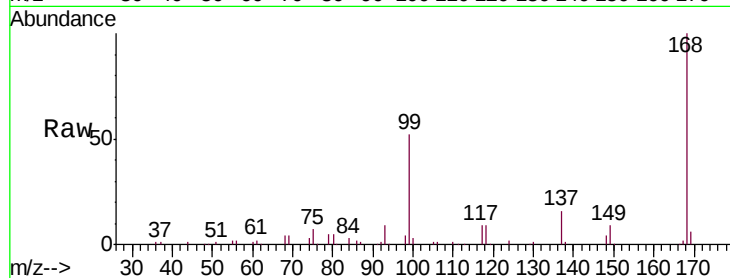




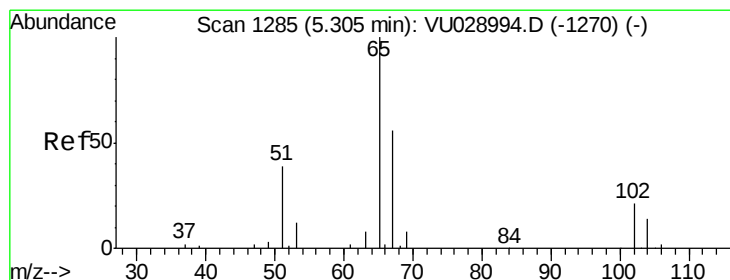
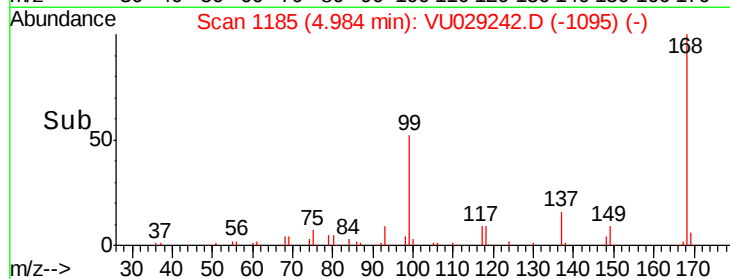
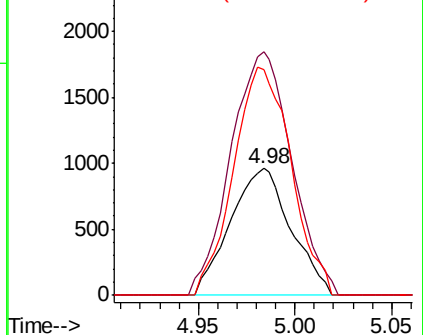
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

Instrument :
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ClientSampleId :
PB116506ZHE#03

Tgt Ion: 56 Resp: 2094
Ion Ratio Lower Upper
56 100
69 192.2 26.7 40.1#
84 178.5 65.7 98.5#

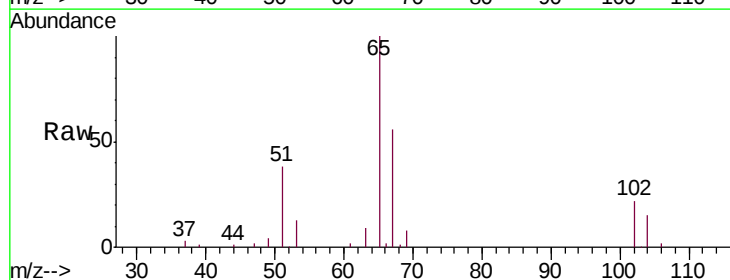


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

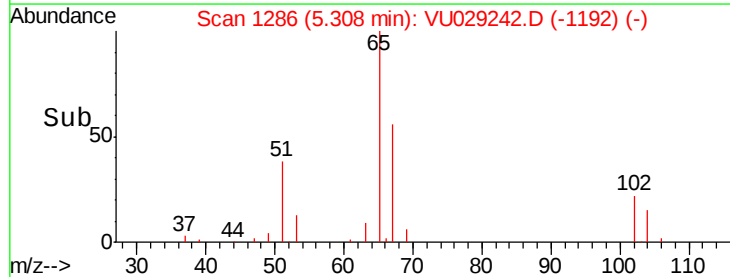
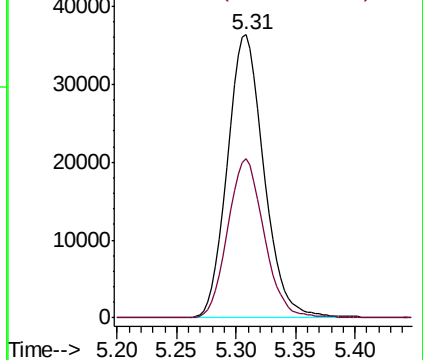


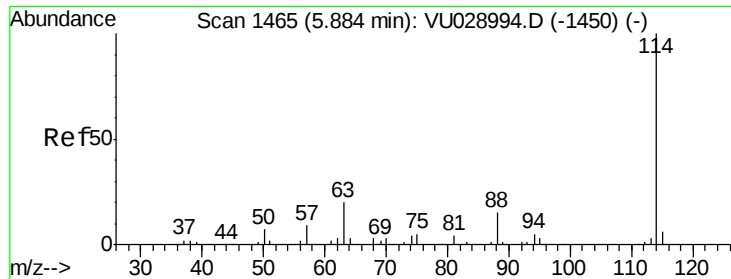
#33
1,2-Dichloroethane-d4
Concen: 54.692 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

Tgt Ion: 65 Resp: 77547
Ion Ratio Lower Upper
65 100
67 56.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#03

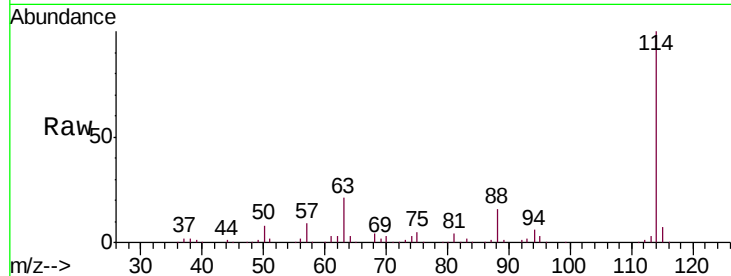
Tgt Ion:114 Resp: 202278

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

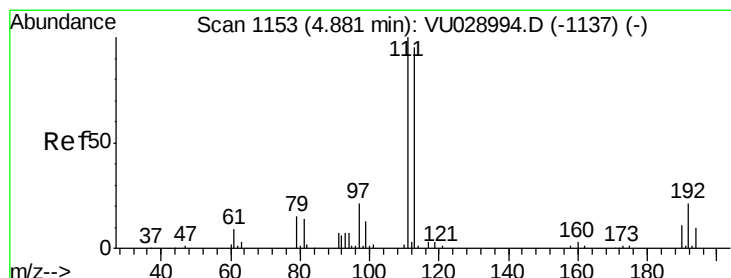
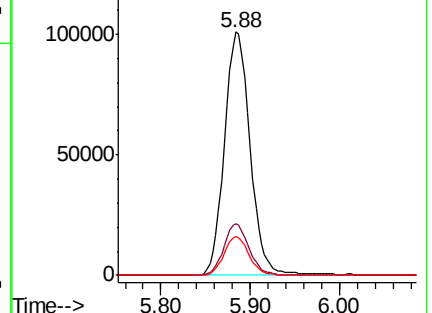
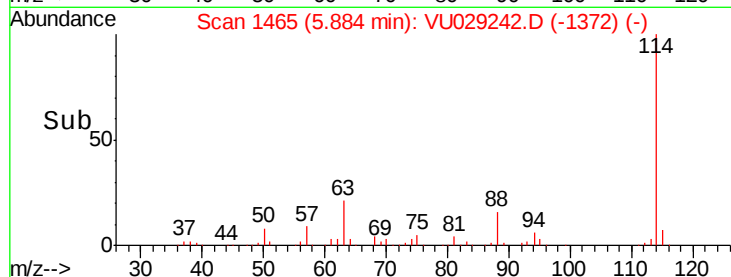
88 15.9 0.0 30.4



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: 52.523 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

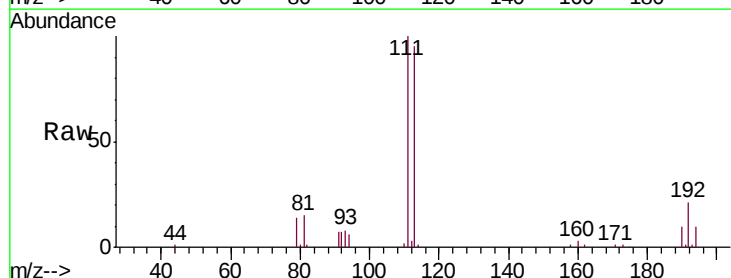
Tgt Ion:113 Resp: 68869

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.2

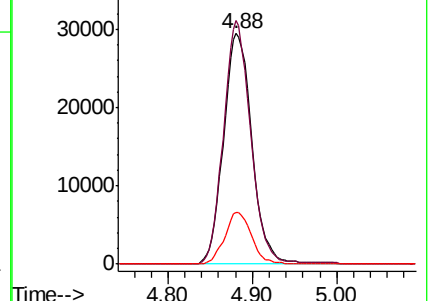
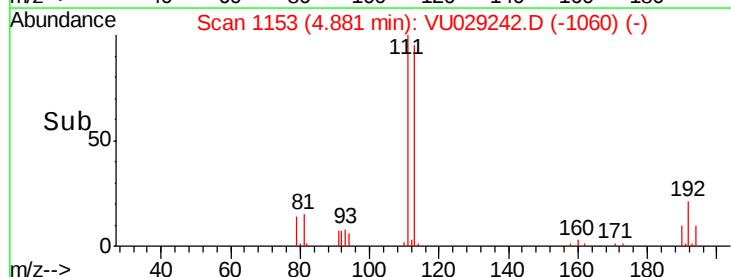
192 21.3 16.8 25.2

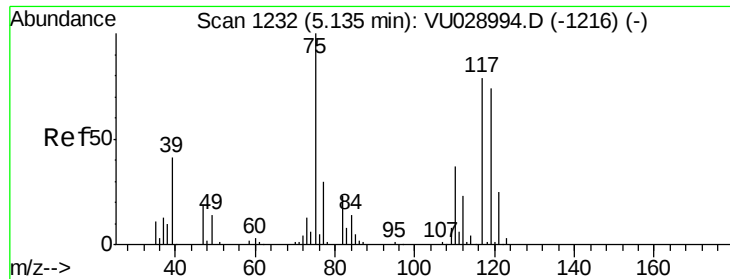


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

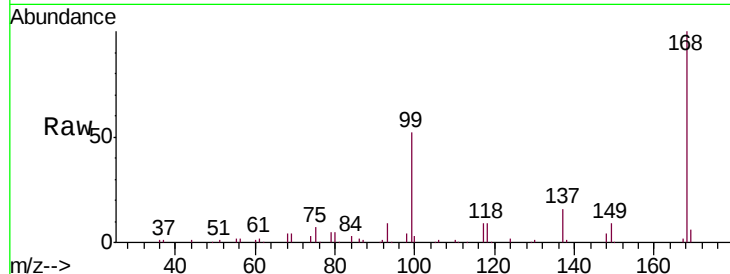




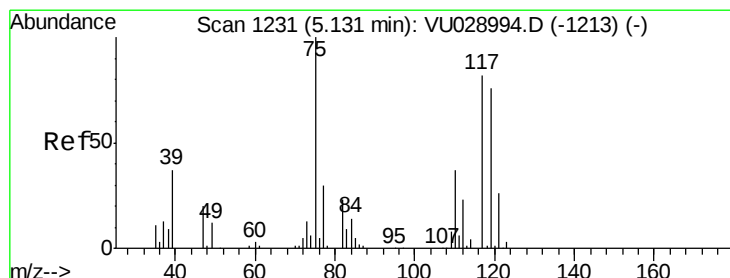
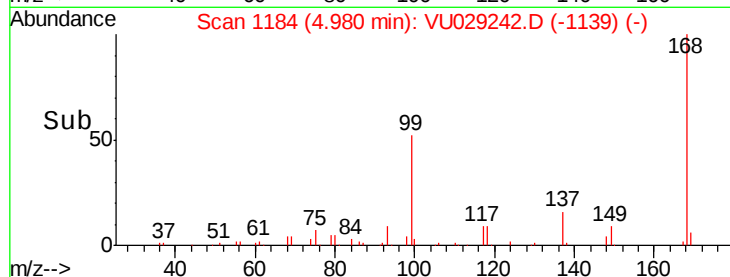
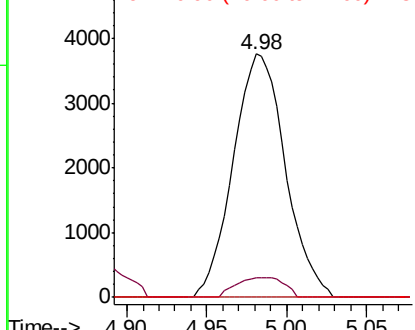
#36
 1,1-Dichloropropene
 Concen: 4.139 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#03

Tgt Ion: 75 Resp: 8369
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.4 55.4#
 77 0.0 25.1 37.7#

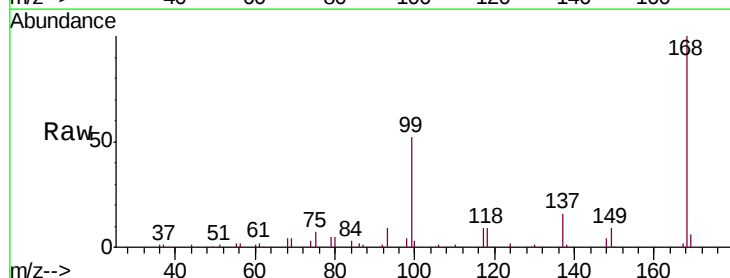


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

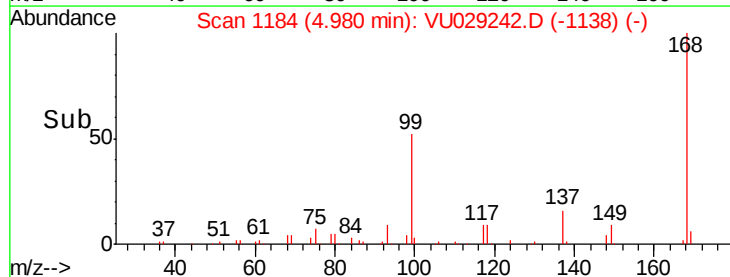
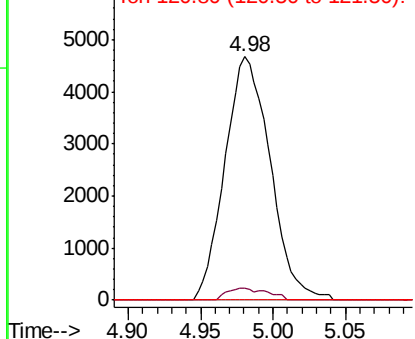


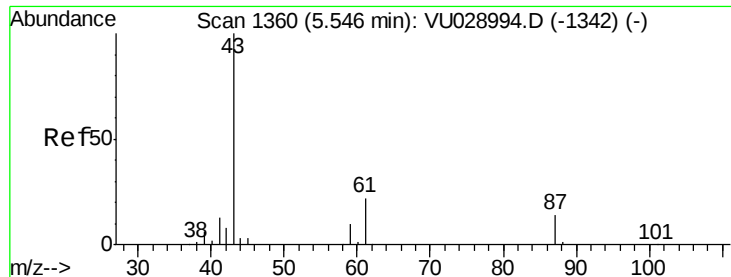
#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

Tgt Ion: 117 Resp: 10140
 Ion Ratio Lower Upper
 117 100
 119 4.9 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: 2.500 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#03

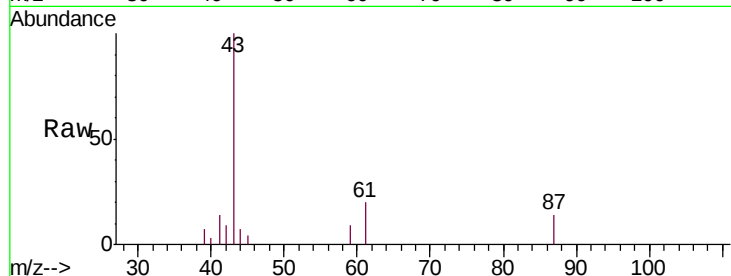
Tgt Ion: 43 Resp: 8510

Ion Ratio Lower Upper

43 100

61 19.0 17.8 26.6

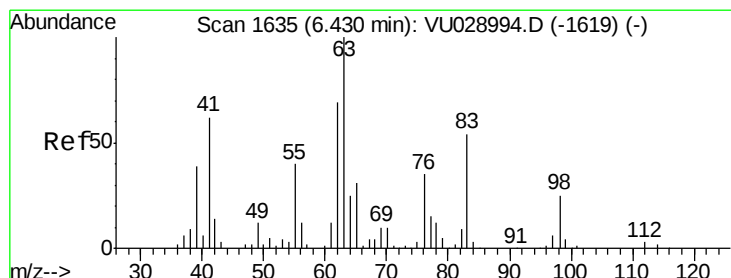
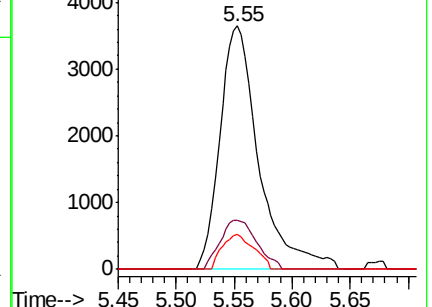
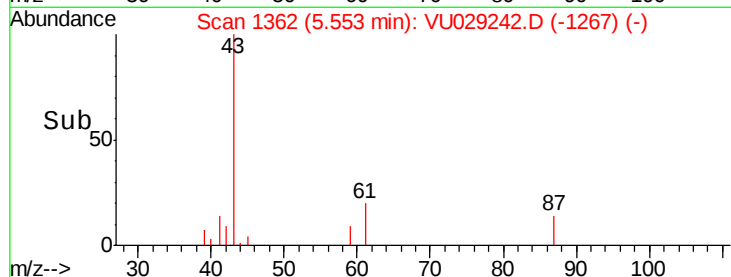
87 11.6 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029242.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029242.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029242.D (-1267) (-)



#45

1,2-Dichloropropane

Concen: 0.420 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU029242.D

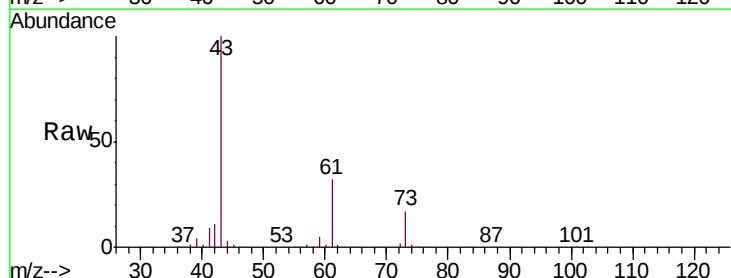
Acq: 21 Jan 2019 12:32

Tgt Ion: 63 Resp: 699

Ion Ratio Lower Upper

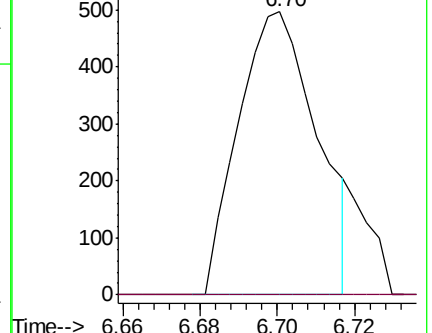
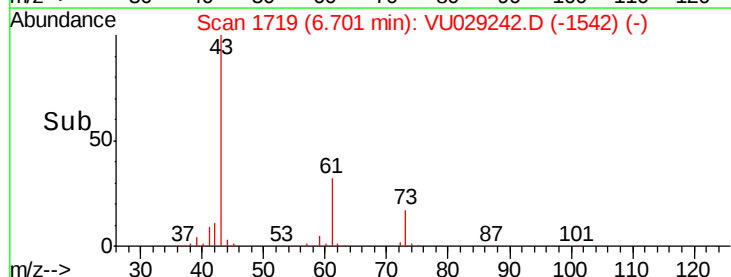
63 100

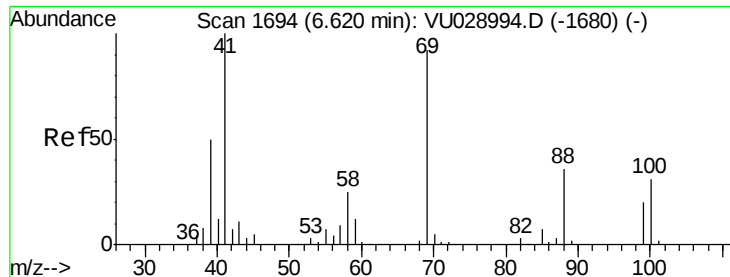
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU029242.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU029242.D (-1542) (-)

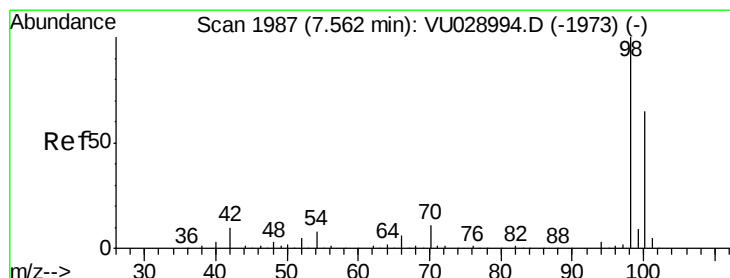
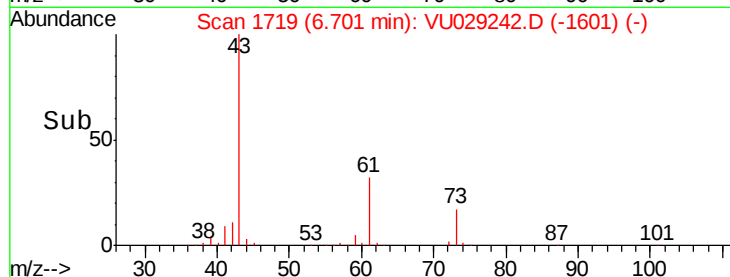
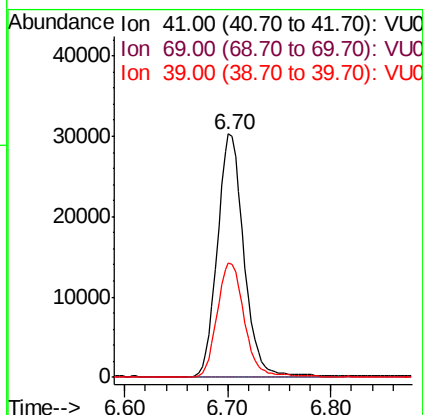
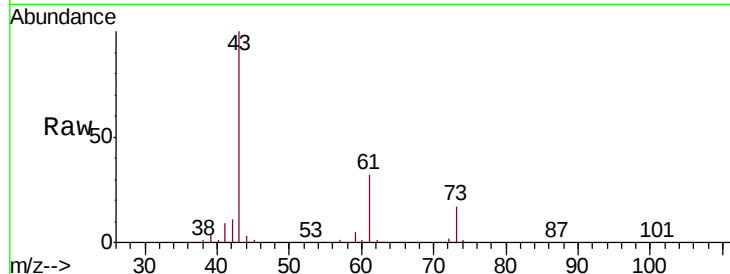




#48
Methyl methacrylate
Concen: 32.863 ug/l
RT: 6.70 min Scan# 1719
Delta R.T. 0.08 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

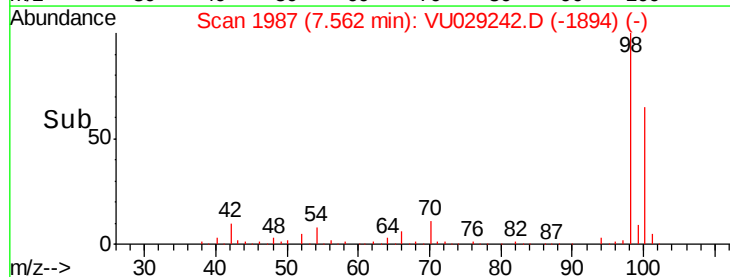
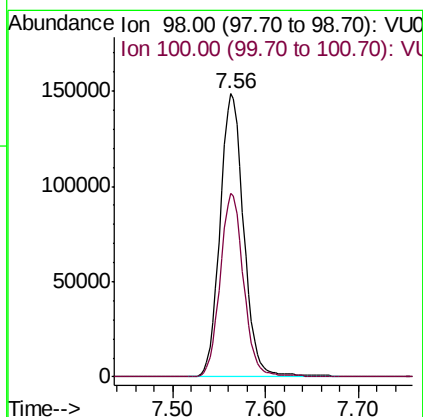
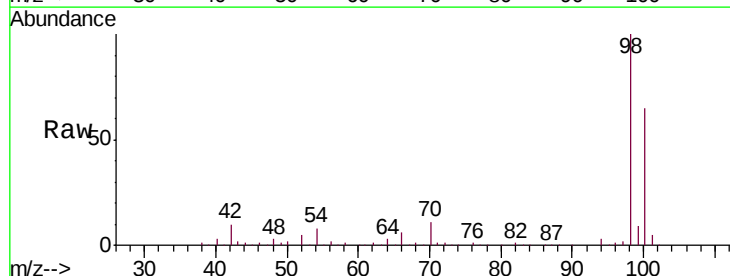
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#03

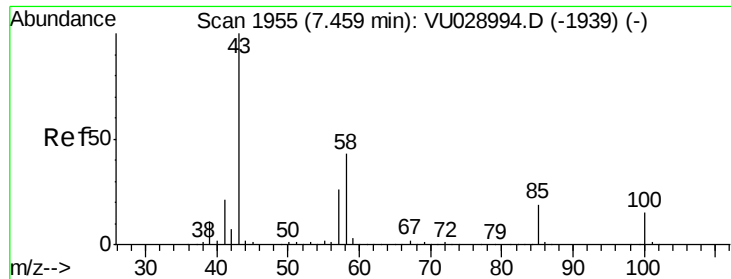
Tgt Ion: 41 Resp: 54477
Ion Ratio Lower Upper
41 100
69 0.0 73.6 110.4#
39 47.9 39.6 59.4



#50
Toluene-d8
Concen: 51.048 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029242.D
Acq: 21 Jan 2019 12:32

Tgt Ion: 98 Resp: 264251
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 17.559 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. -0.04 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

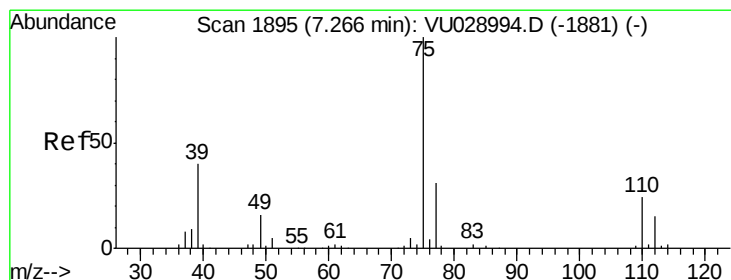
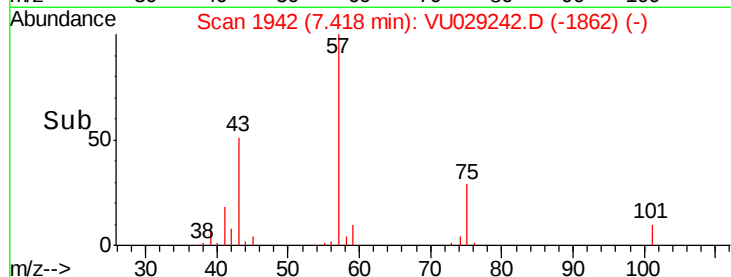
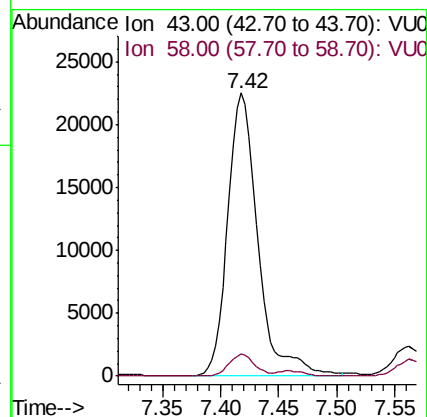
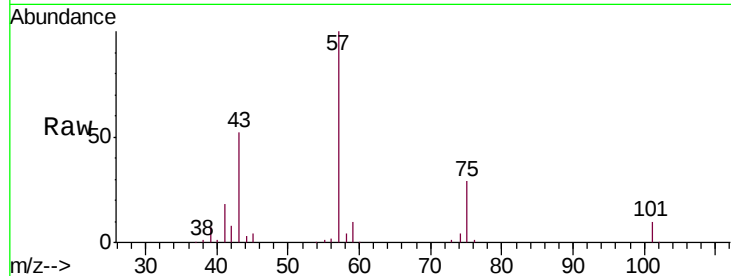
PB116506ZHE#03

Tgt Ion: 43 Resp: 40683

Ion Ratio Lower Upper

43 100

58 6.6 33.9 50.9#



#54

cis-1,3-Dichloropropene

Concen: 8.318 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. 0.15 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

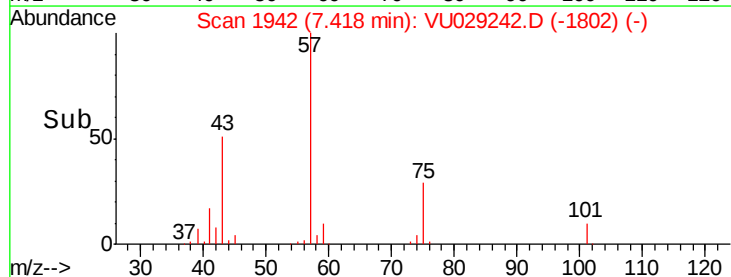
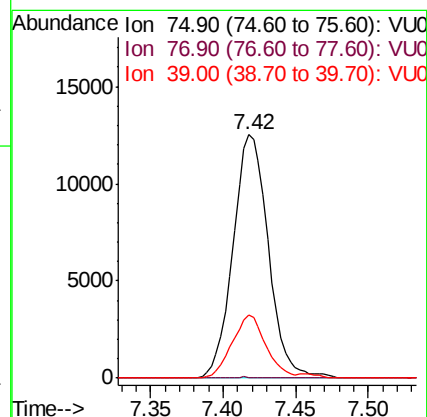
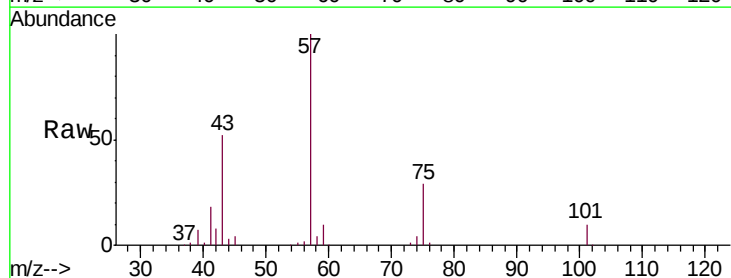
Tgt Ion: 75 Resp: 21166

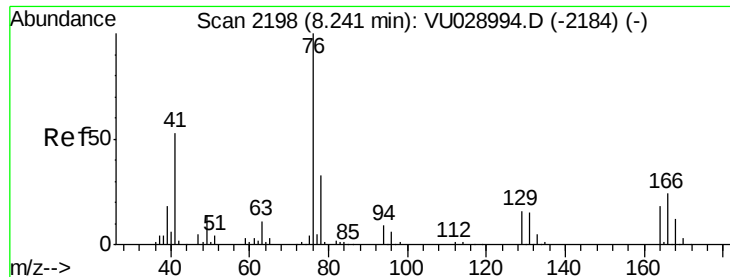
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 25.9 32.2 48.4#

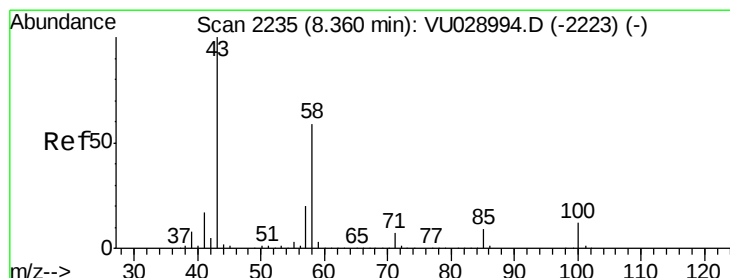
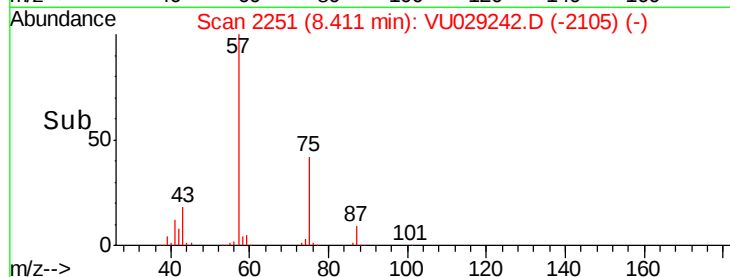
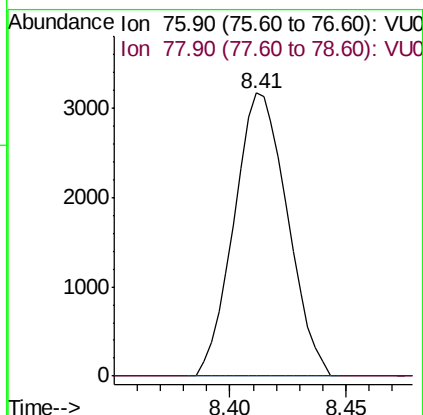
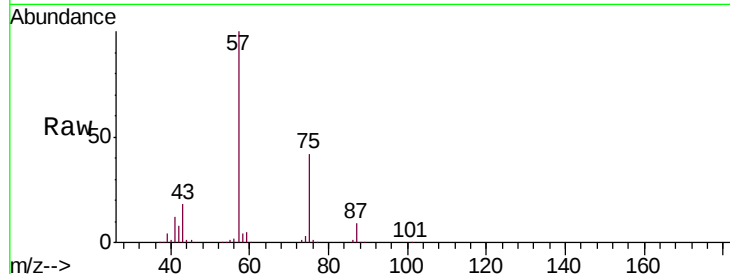




#57
 1,3-Dichloropropane
 Concen: 1.921 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

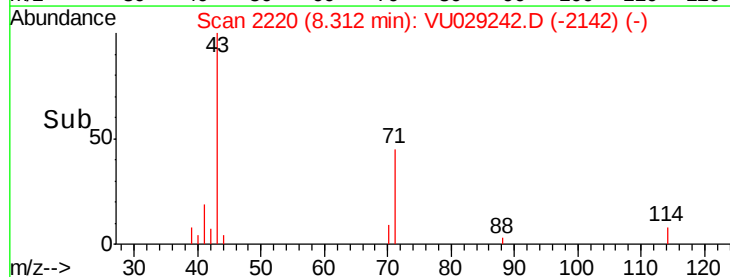
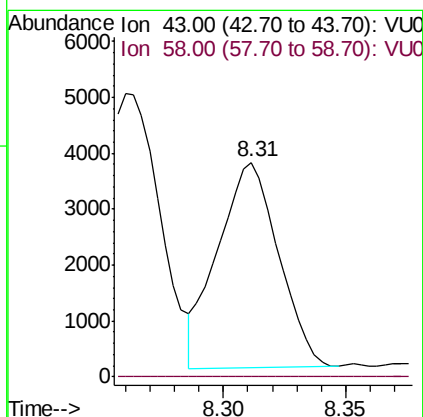
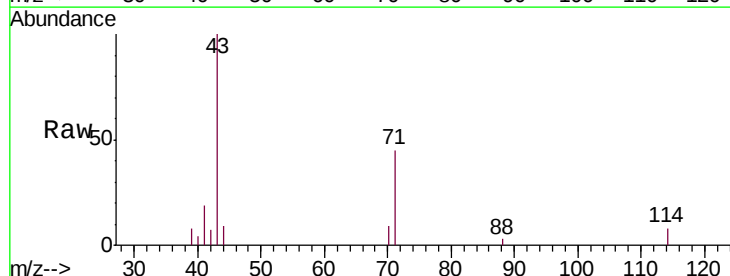
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#03

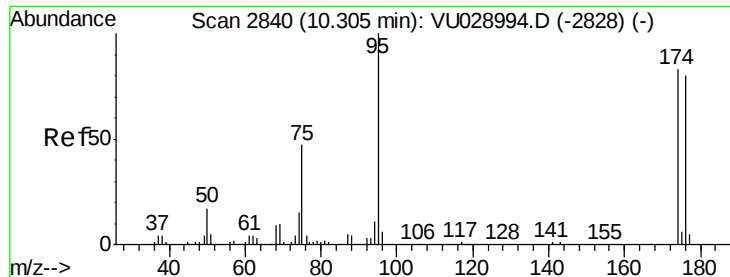
Tgt Ion: 76 Resp: 5057
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 3.484 ug/l
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

Tgt Ion: 43 Resp: 6337
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.4#





#62

4-Bromofluorobenzene

Concen: 45.360 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#03

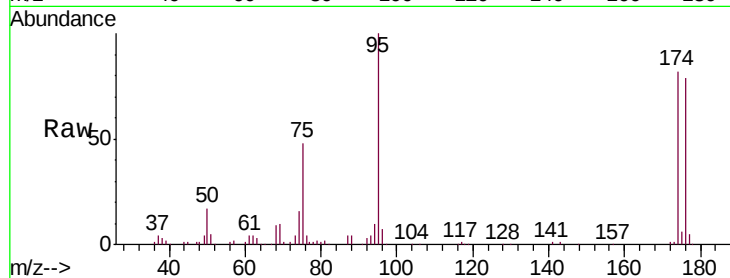
Tgt Ion: 95 Resp: 84385

Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.6

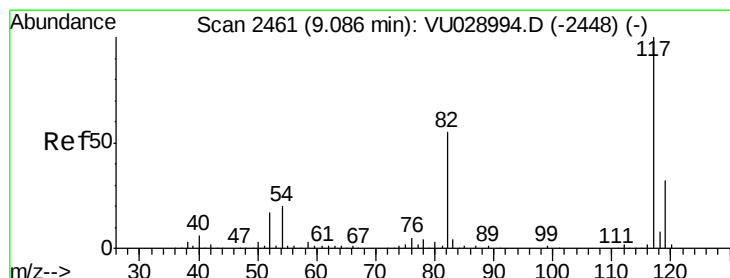
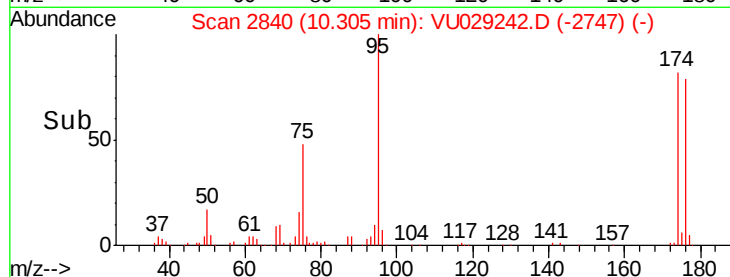
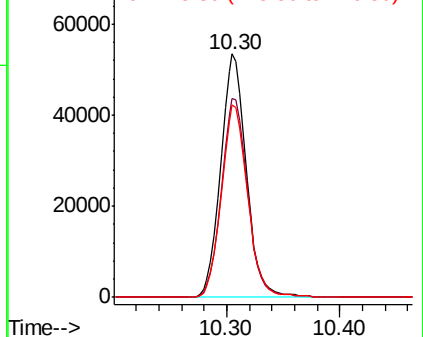
176 80.6 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

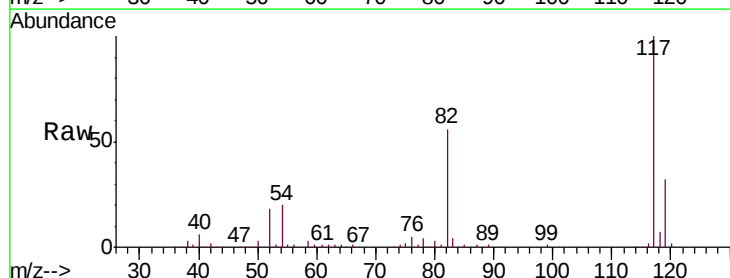
Tgt Ion: 117 Resp: 191651

Ion Ratio Lower Upper

117 100

82 55.9 43.9 65.9

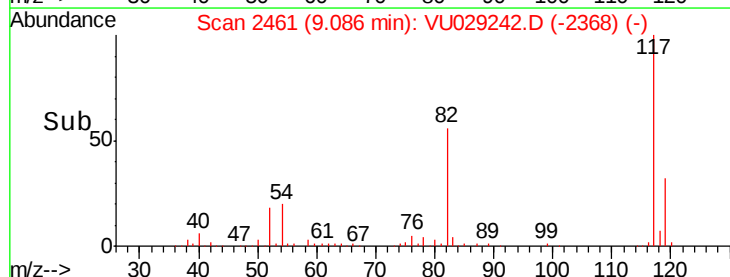
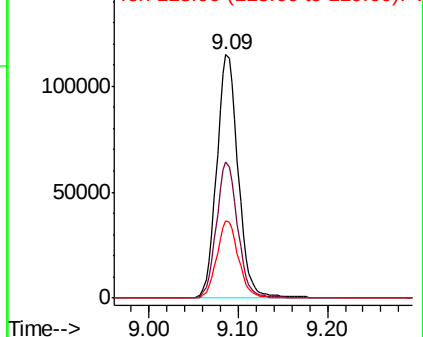
119 31.6 26.0 39.0

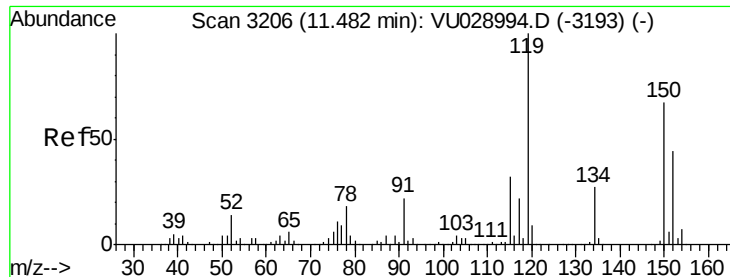


Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#03

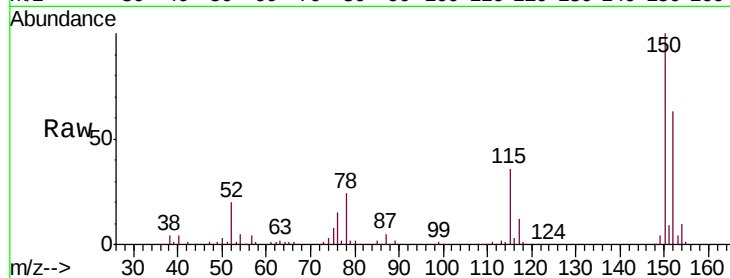
Tgt Ion:152 Resp: 77099

Ion Ratio Lower Upper

152 100

115 56.7 40.1 120.3

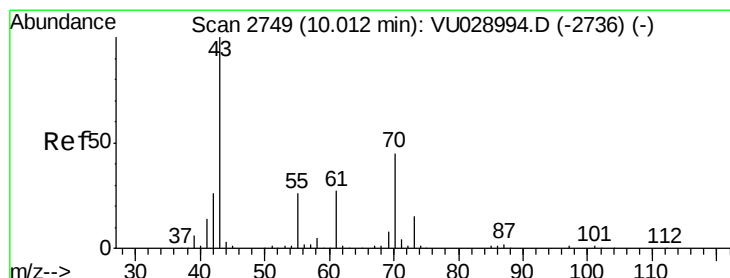
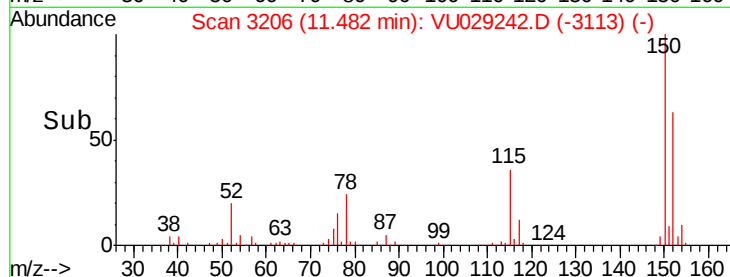
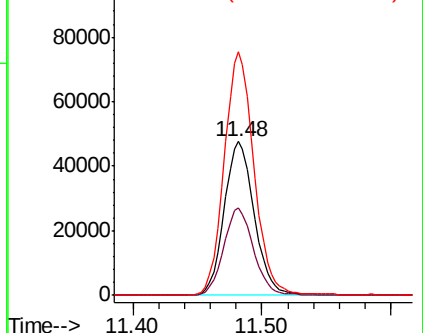
150 156.8 0.0 345.2



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: 2.710 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Tgt Ion: 43 Resp: 6664

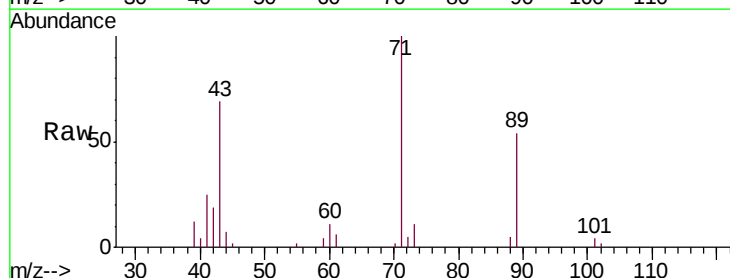
Ion Ratio Lower Upper

43 100

70 0.6 36.3 54.5#

55 1.5 20.5 30.7#

61 8.1 21.8 32.8#

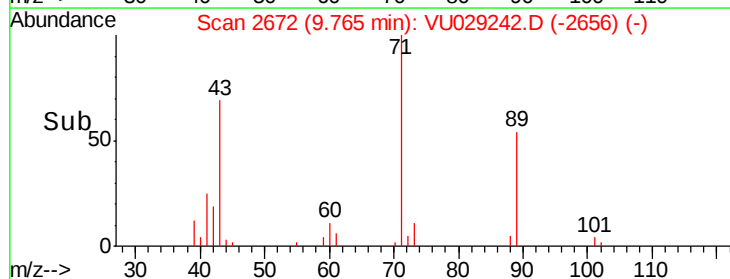
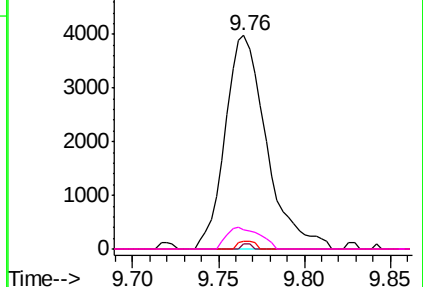


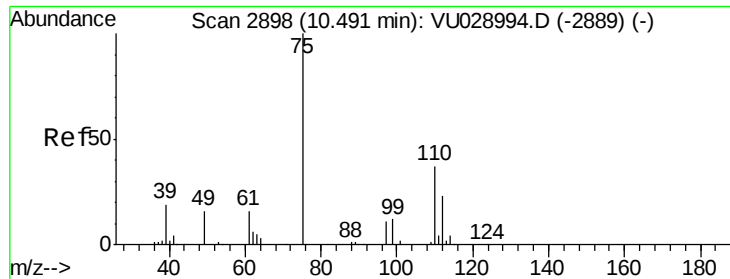
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

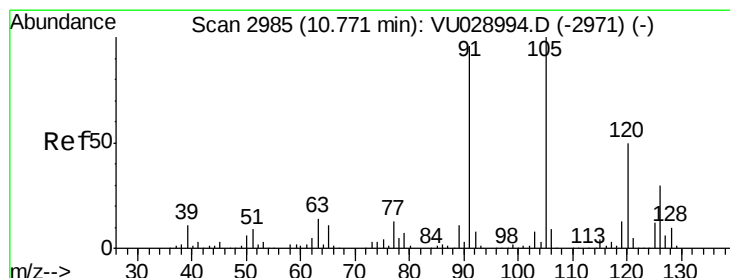
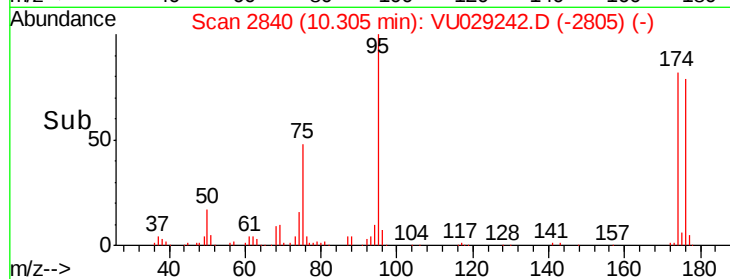
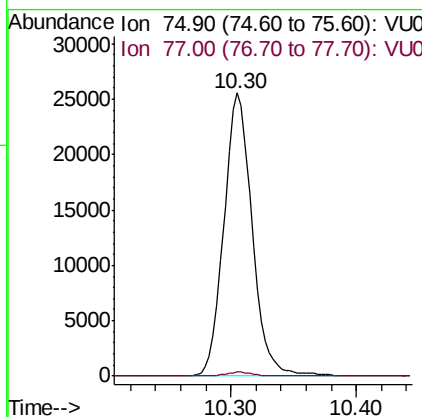
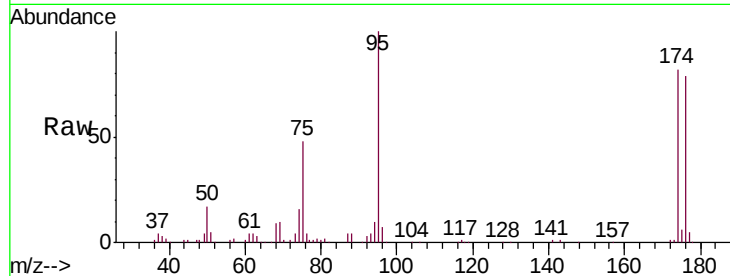




#76
 1,2,3-Trichloropropane
 Concen: 21.122 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

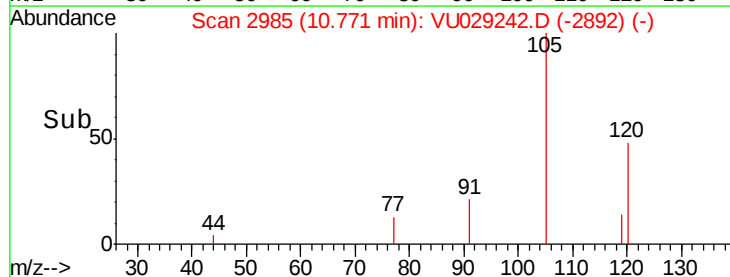
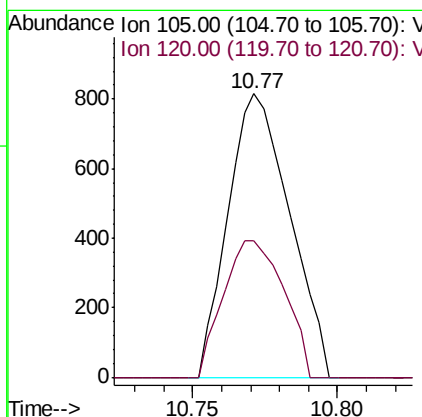
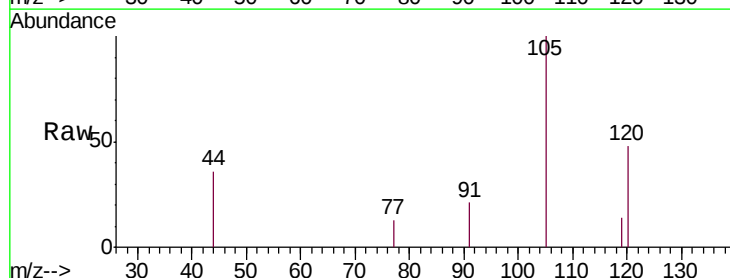
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#03

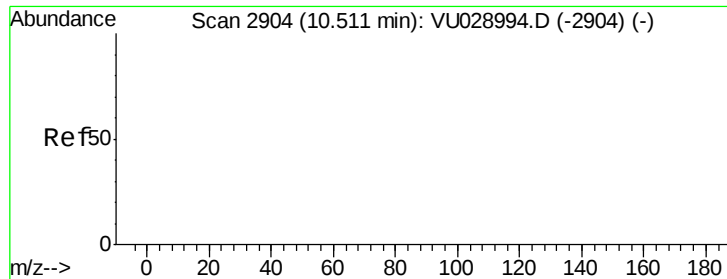
Tgt Ion: 75 Resp: 39901
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.252 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029242.D
 Acq: 21 Jan 2019 12:32

Tgt Ion: 105 Resp: 1203
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.475 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029242.D

Acq: 21 Jan 2019 12:32

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#03

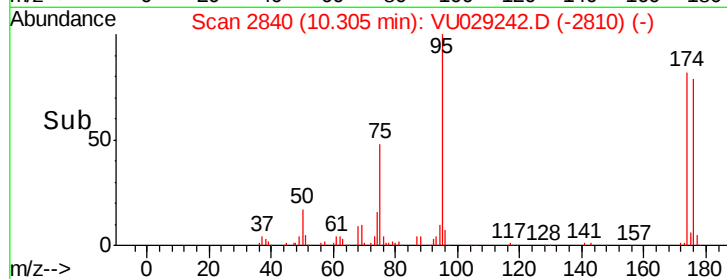
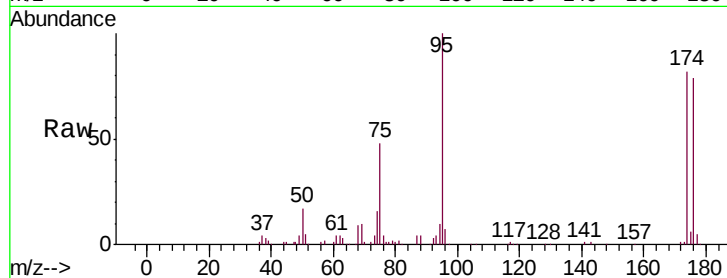
Tgt Ion: 75 Resp: 39901

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

