

Data File : VU029248.D
Acq On : 21 Jan 2019 14:56
Operator : JC/SP
Sample : PB116506ZHE#08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

Quant Time: Jan 22 01:11:06 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	110181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196445	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75444	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	4.88	113	65908	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.56	98	253523	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	10.30	95	78166	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

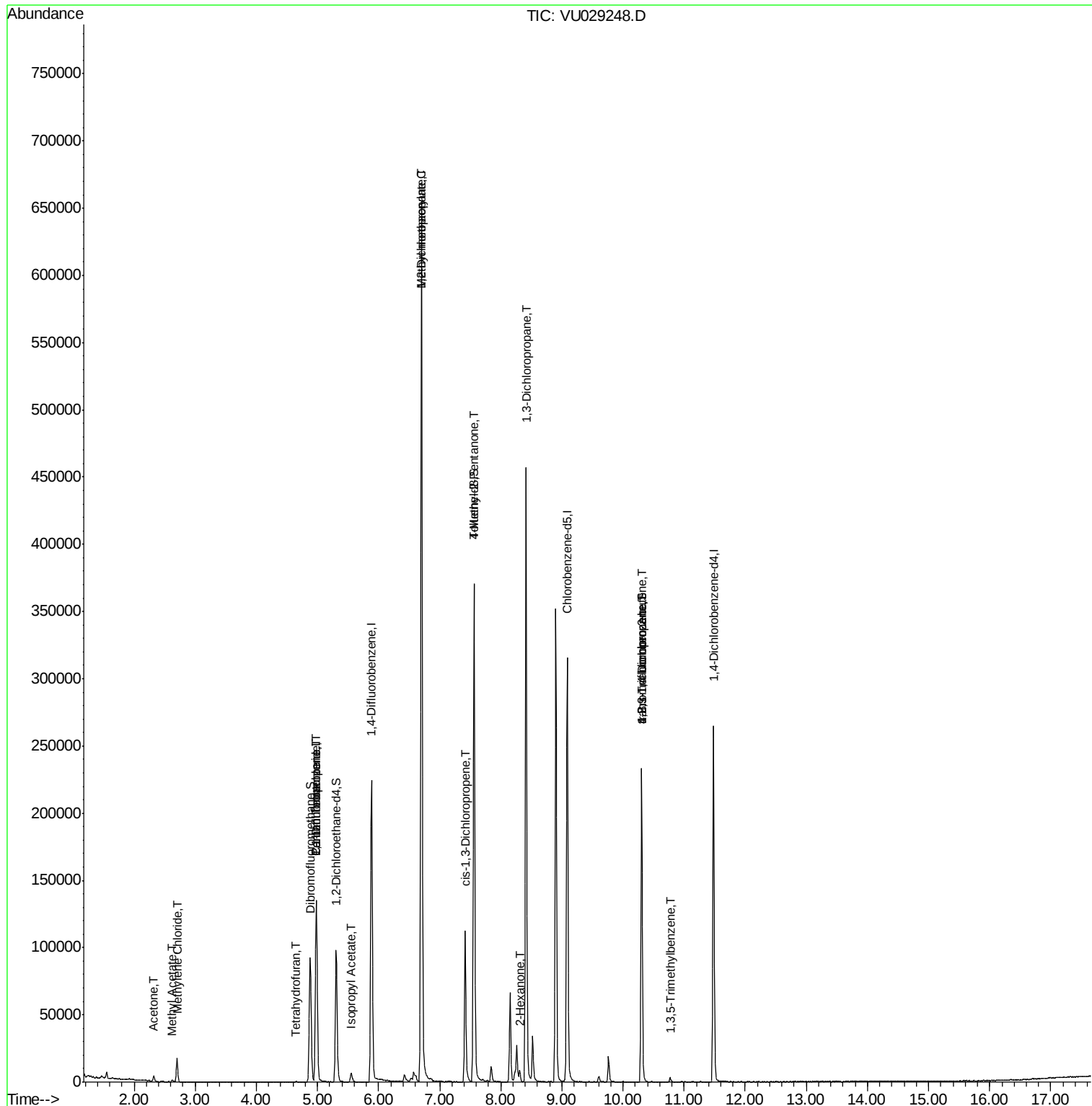
					Qvalue
3) Chloromethane	1.33	50	642	Below Cal	95
16) Acetone	2.32	43	4759	5.546 ug/l	96
17) Carbon Disulfide	2.48	76	68	Below Cal	# 75
18) Methyl Acetate	2.62	43	1596	0.800 ug/l	# 86
20) Methylene Chloride	2.70	84	7676	5.269 ug/l	97
29) Tetrahydrofuran	4.66	42	232	0.330 ug/l	# 30
31) Cyclohexane	4.98	56	1833	Below Cal	# 1
36) 1,1-Dichloropropene	4.98	75	7953	4.050 ug/l	# 45
38) Carbon Tetrachloride	4.98	117	9810	5.990 ug/l	# 17
43) Isopropyl Acetate	5.55	43	8231	2.490 ug/l	# 97
45) 1,2-Dichloropropane	6.70	63	752	0.465 ug/l	# 43
48) Methyl methacrylate	6.70	41	55781	34.649 ug/l	# 36
51) 4-Methyl-2-Pentanone	7.56	43	4146	1.843 ug/l	91
54) cis-1,3-Dichloropropene	7.42	75	20710	8.381 ug/l	# 62
57) 1,3-Dichloropropane	8.41	76	4239	1.658 ug/l	# 42
59) 2-Hexanone	8.31	43	6273	3.552 ug/l	# 21
76) 1,2,3-Trichloropropane	10.30	75	37500	21.214 ug/l	# 35
80) 1,3,5-Trimethylbenzene	10.77	105	2171	0.487 ug/l	97
81) trans-1,4-Dichloro-2-buten	10.30	75	37500	54.712 ug/l	# 100

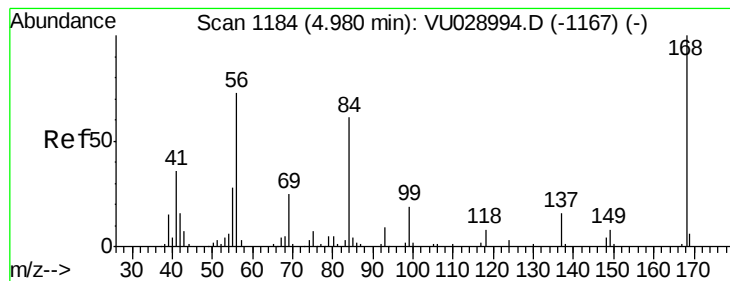
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029248.D

Acq: 21 Jan 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

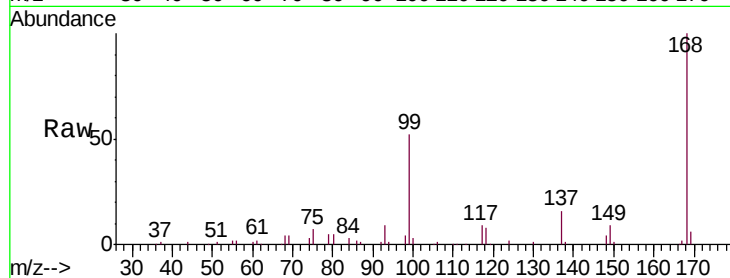
PB116506ZHE#08

Tgt Ion:168 Resp: 110181

Ion Ratio Lower Upper

168 100

99 52.5 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

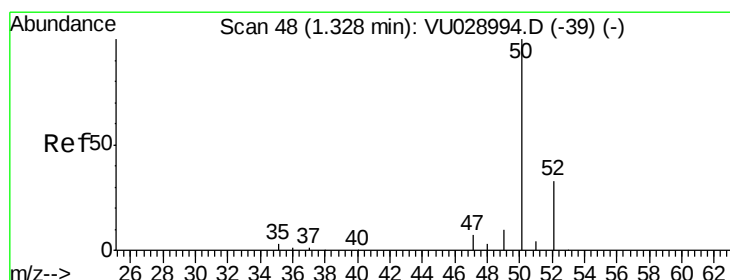
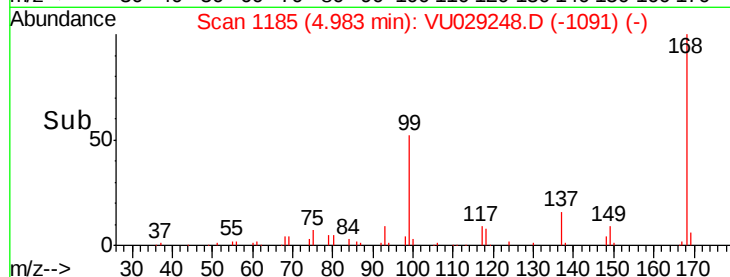
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029248.D

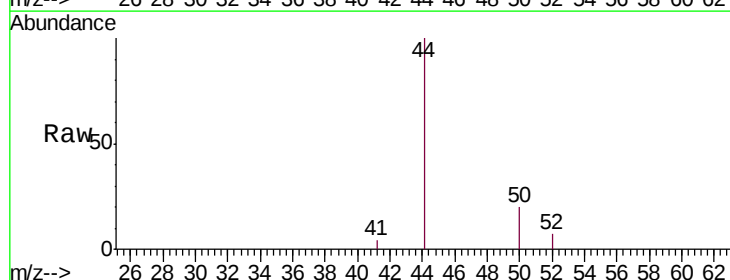
Acq: 21 Jan 2019 14:56

Tgt Ion: 50 Resp: 642

Ion Ratio Lower Upper

50 100

52 35.3 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

600

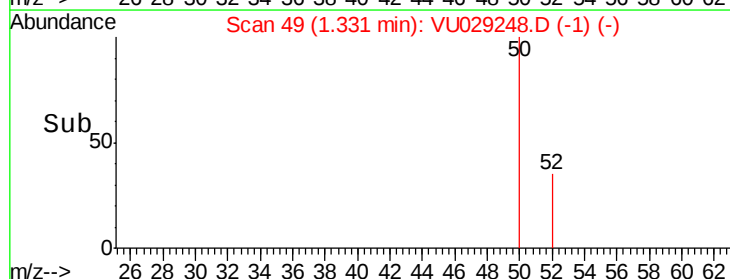
400

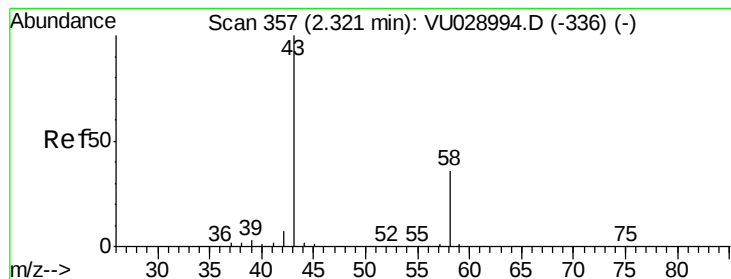
200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 5.546 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029248.D

Acq: 21 Jan 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

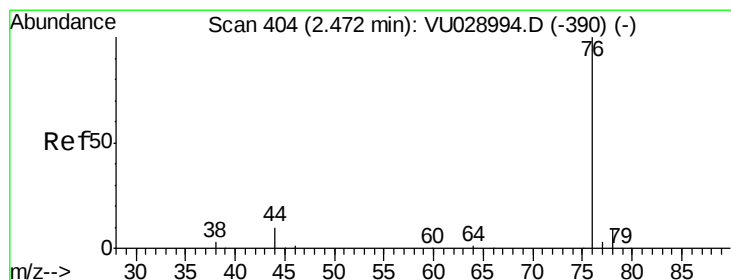
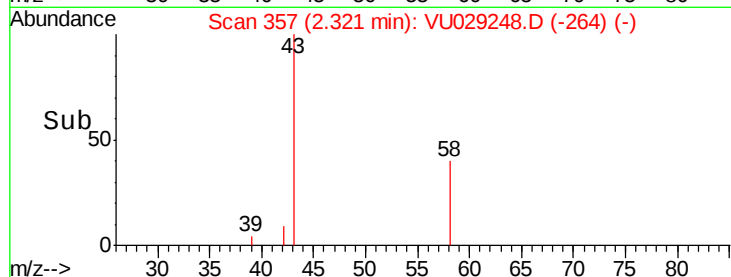
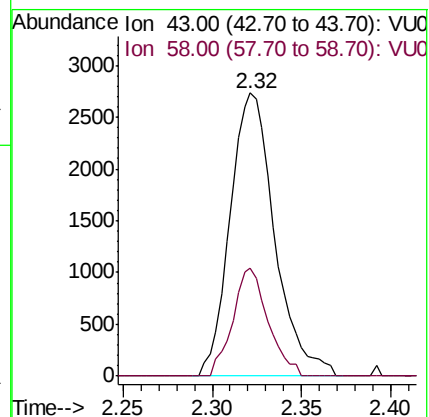
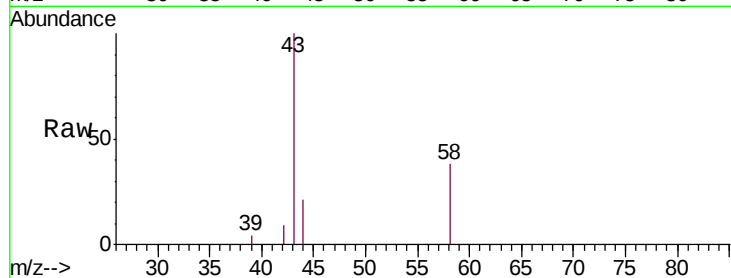
PB116506ZHE#08

Tgt Ion: 43 Resp: 4759

Ion Ratio Lower Upper

43 100

58 38.3 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029248.D

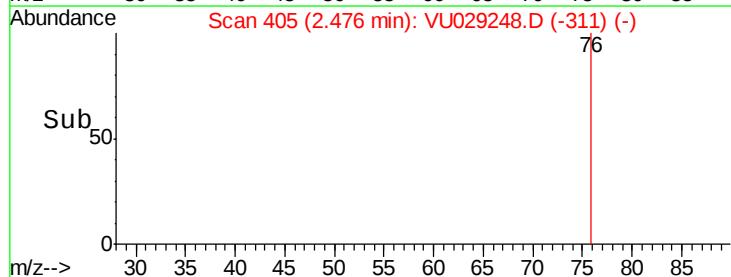
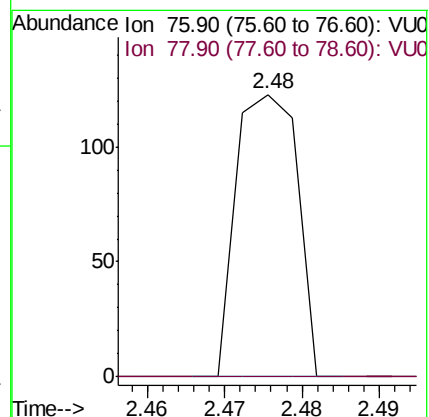
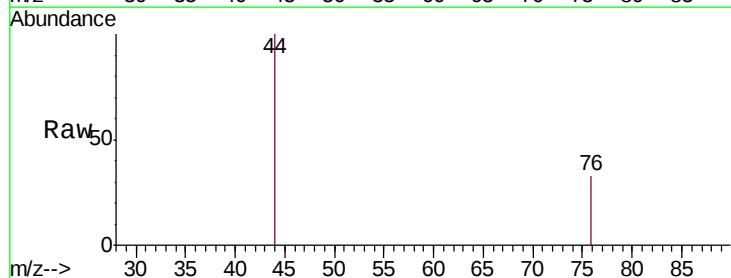
Acq: 21 Jan 2019 14:56

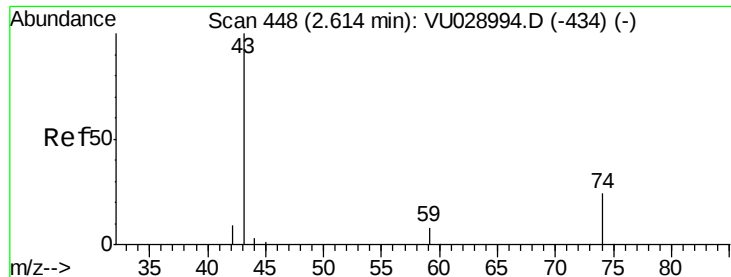
Tgt Ion: 76 Resp: 68

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

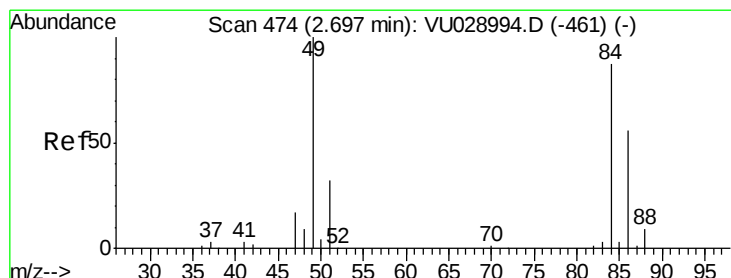
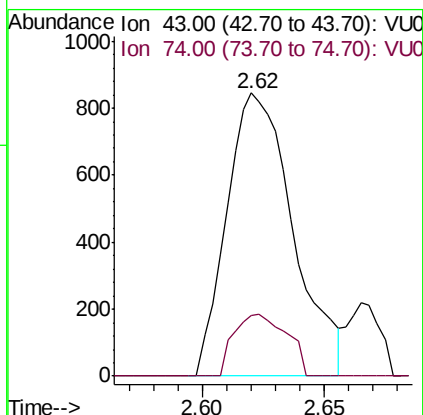
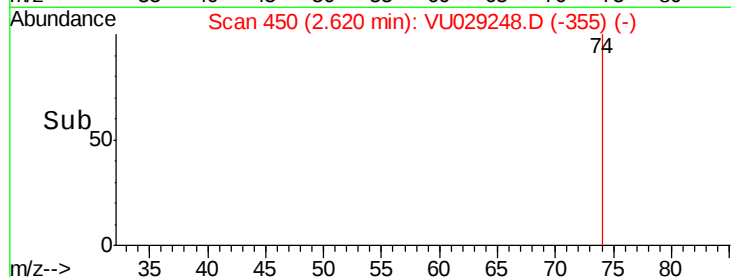
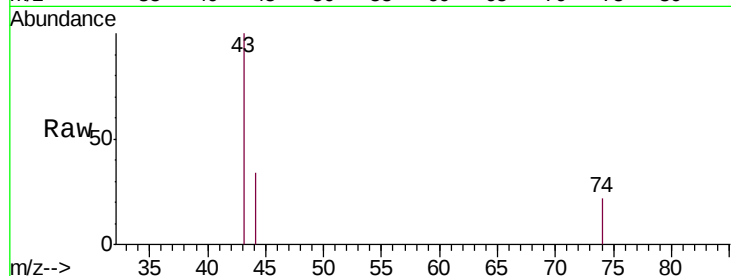




#18
Methyl Acetate
Concen: 0.800 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

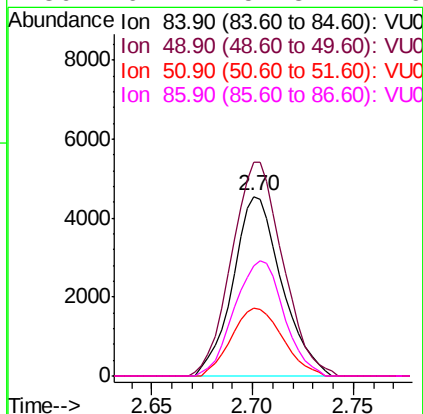
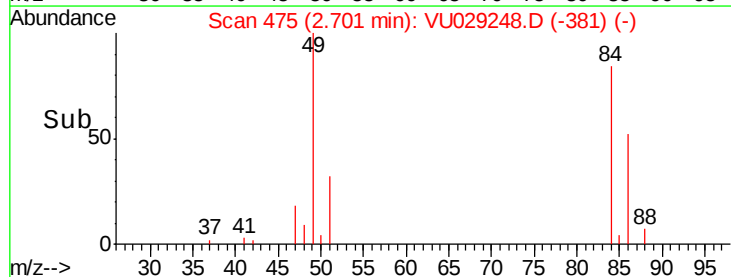
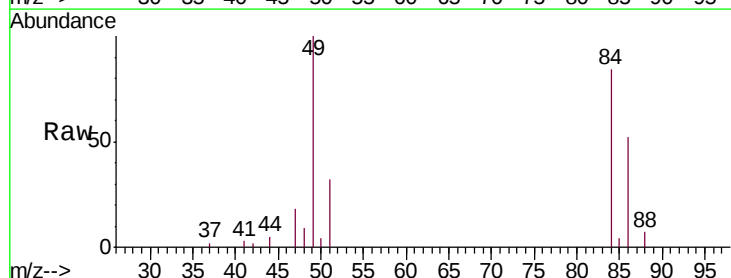
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

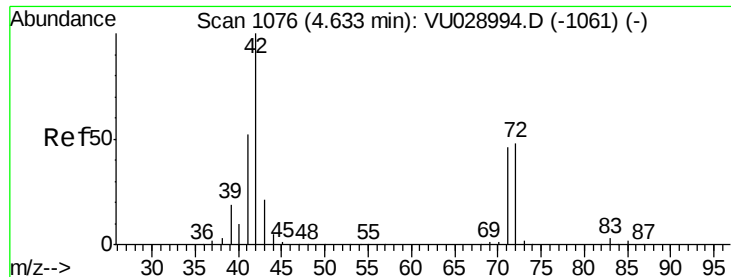
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
74 17.5 19.5 29.3#



#20
Methylene Chloride
Concen: 5.269 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Tgt Ion: 84 Resp: 7676
Ion Ratio Lower Upper
84 100
49 118.7 91.9 137.9
51 37.4 29.2 43.8
86 61.4 51.8 77.6





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU029248.D

Acq: 21 Jan 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#08

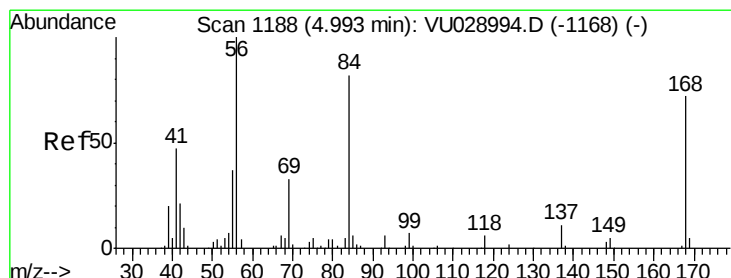
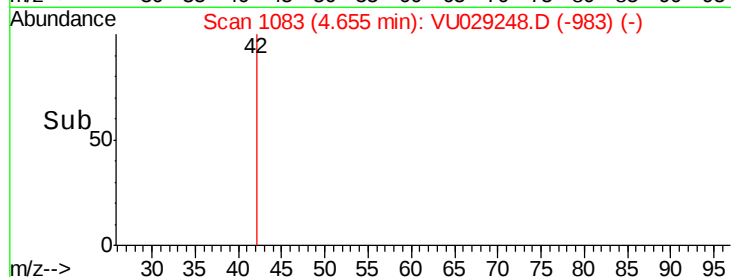
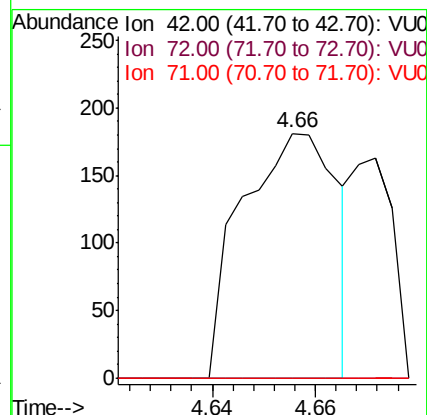
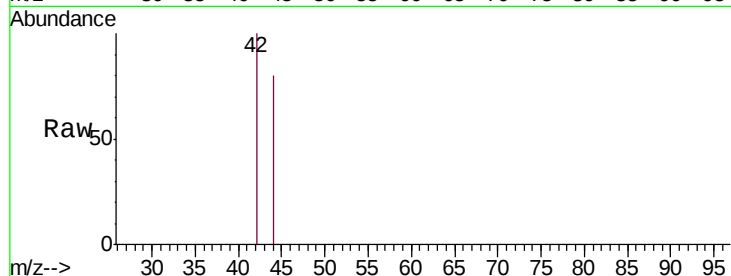
Tgt Ion: 42 Resp: 232

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

71 0.0 36.1 54.1#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029248.D

Acq: 21 Jan 2019 14:56

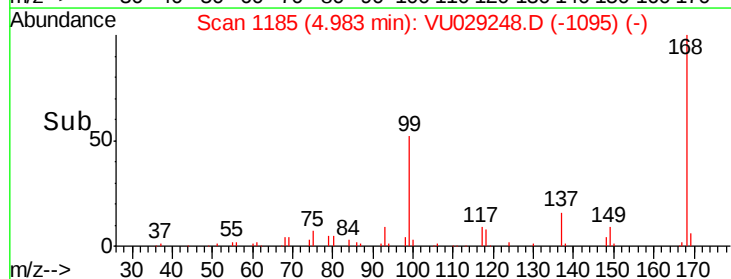
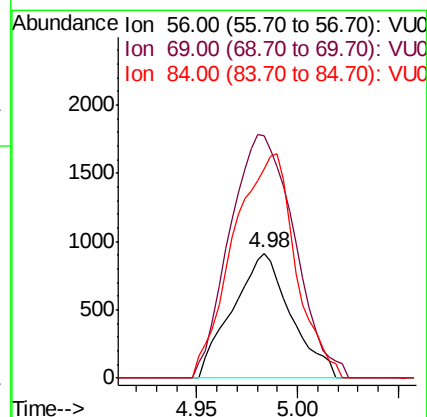
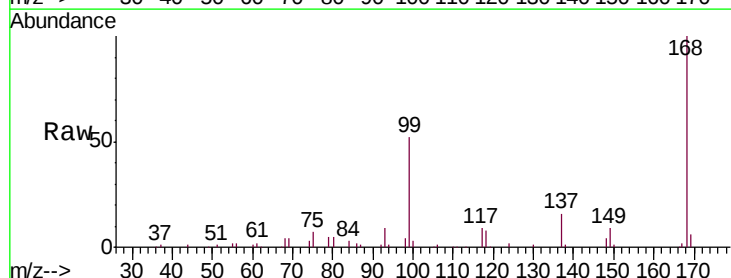
Tgt Ion: 56 Resp: 1833

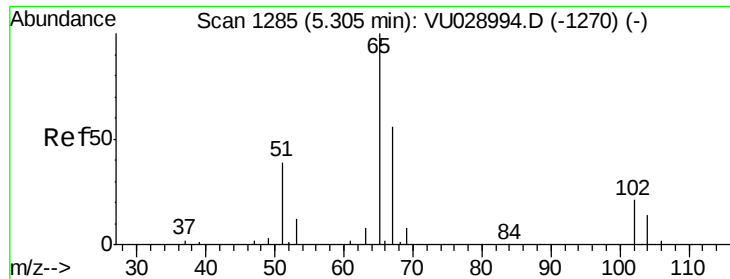
Ion Ratio Lower Upper

56 100

69 193.2 26.7 40.1#

84 167.4 65.7 98.5#

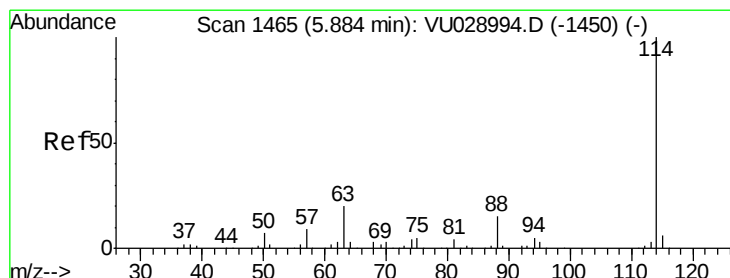
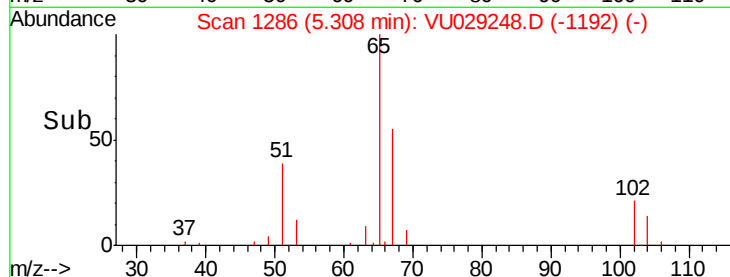
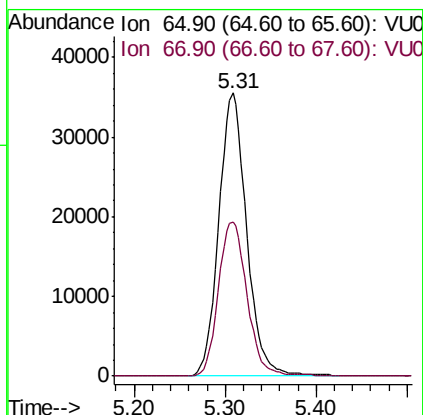
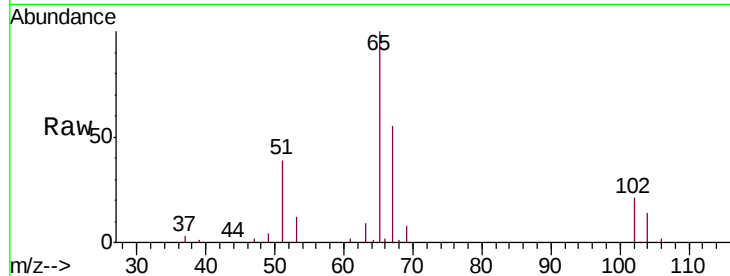




#33
 1,2-Dichloroethane-d4
 Concen: 55.390 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

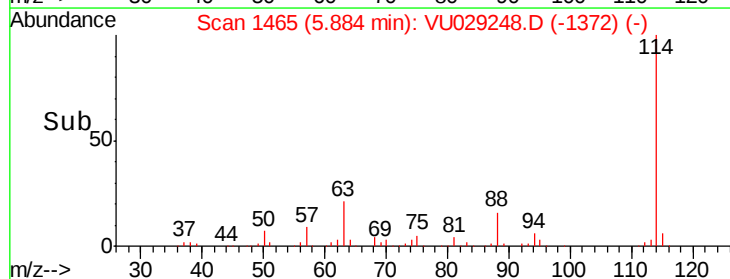
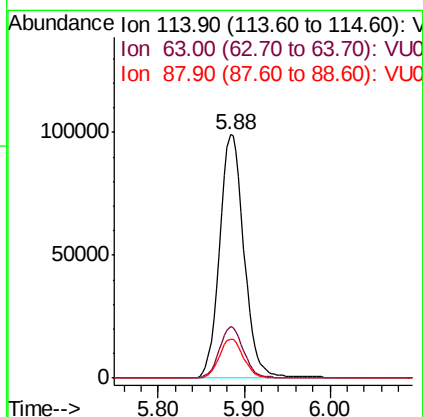
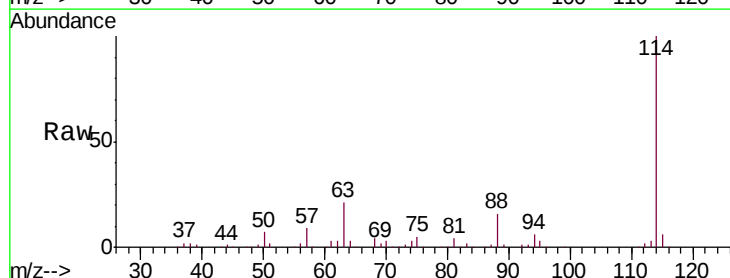
Instrument :
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 ClientSampleId :
 PB116506ZHE#08

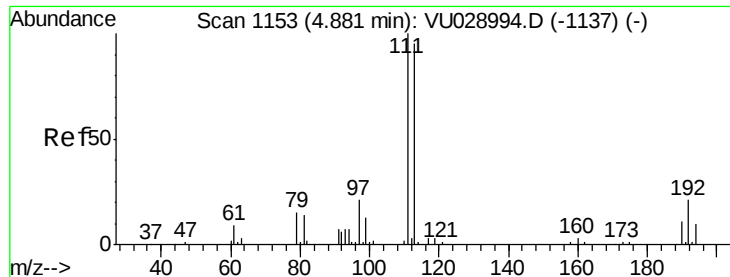
Tgt Ion: 65 Resp: 75444
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

Tgt Ion: 114 Resp: 196445
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 15.9 0.0 30.4

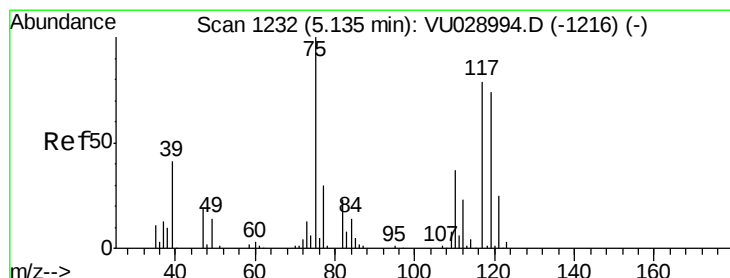
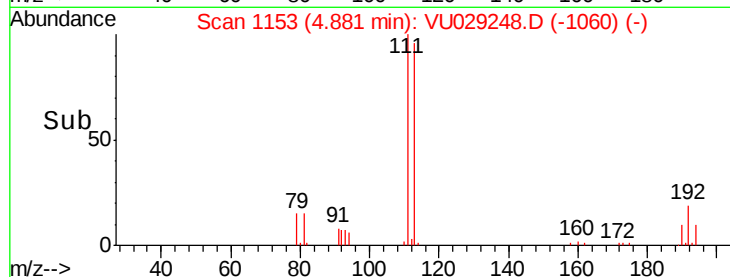
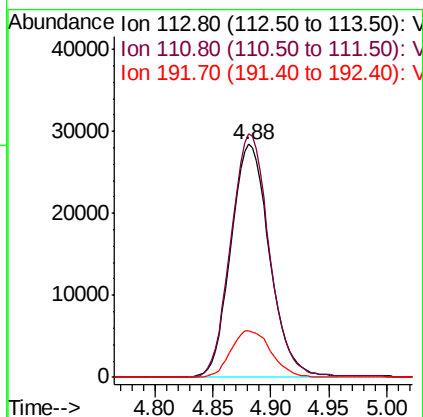
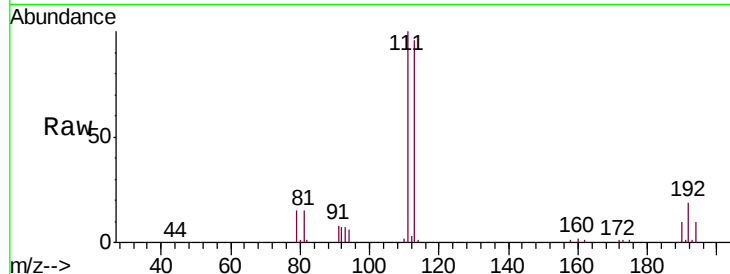




#35
 Dibromofluoromethane
 Concen: 51.757 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

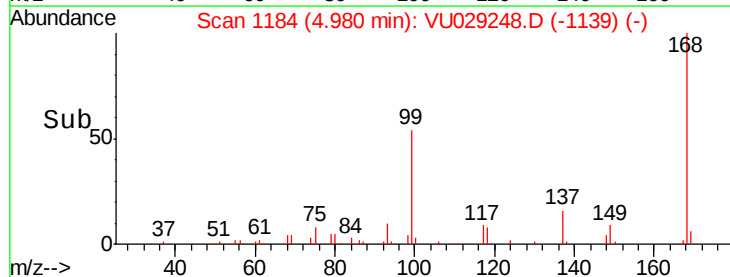
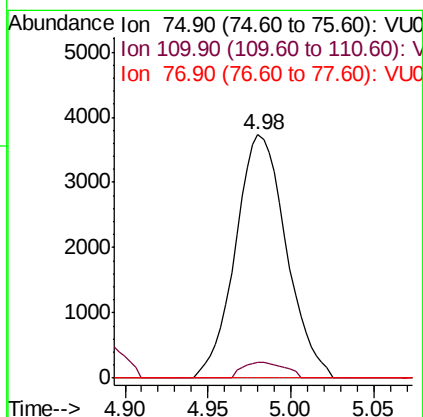
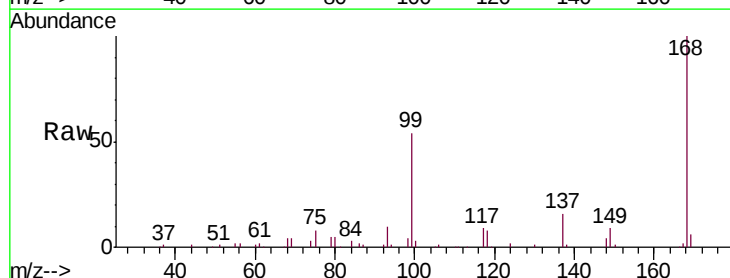
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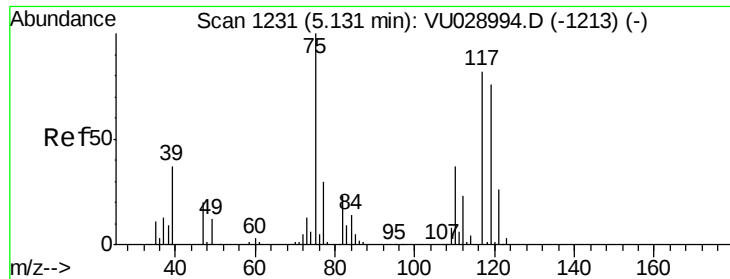
Tgt Ion:113 Resp: 65908
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.4 122.2
 192 20.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.050 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

Tgt Ion: 75 Resp: 7953
 Ion Ratio Lower Upper
 75 100
 110 5.4 18.4 55.4#
 77 0.0 25.1 37.7#

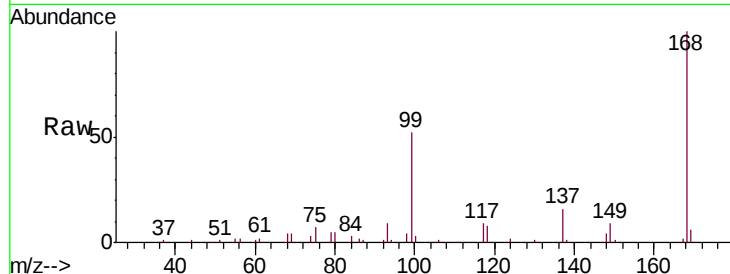




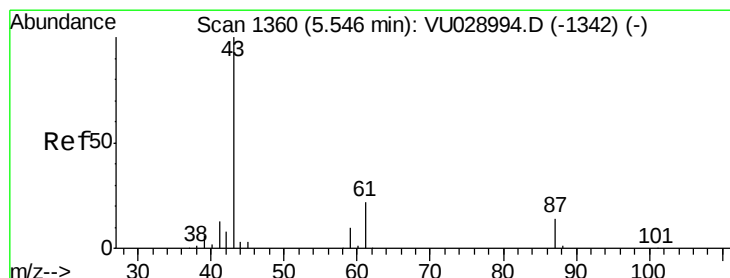
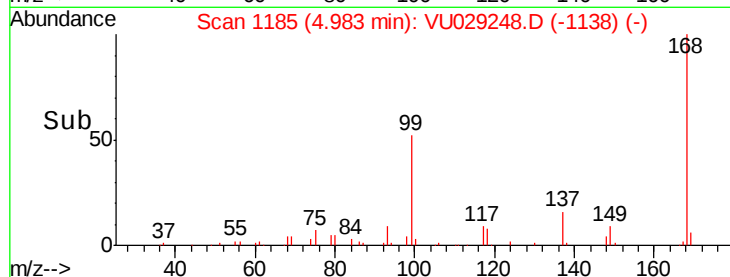
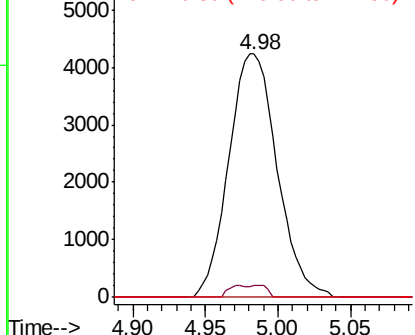
#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

Tgt Ion: 117 Resp: 9810
Ion Ratio Lower Upper
117 100
119 4.9 74.6 111.8#
121 0.0 25.0 37.6#

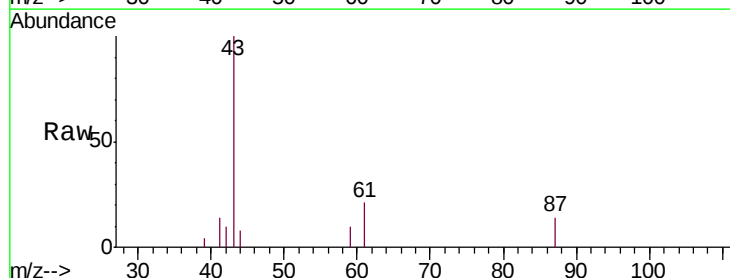


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

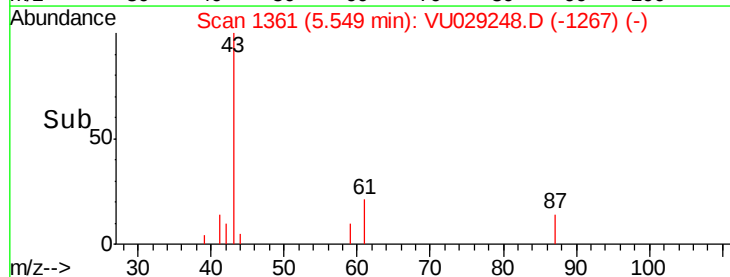
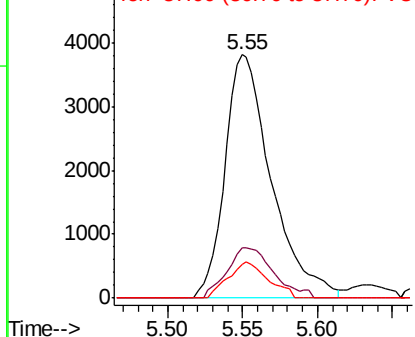


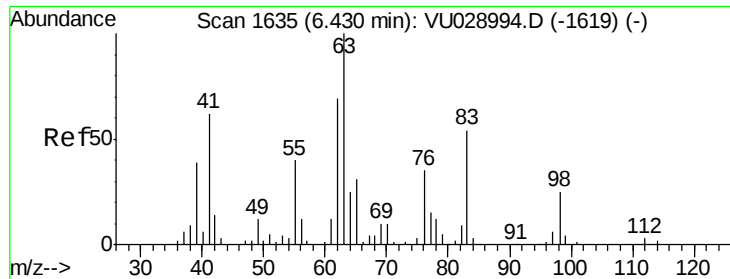
#43
Isopropyl Acetate
Concen: 2.490 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Tgt Ion: 43 Resp: 8231
Ion Ratio Lower Upper
43 100
61 20.6 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

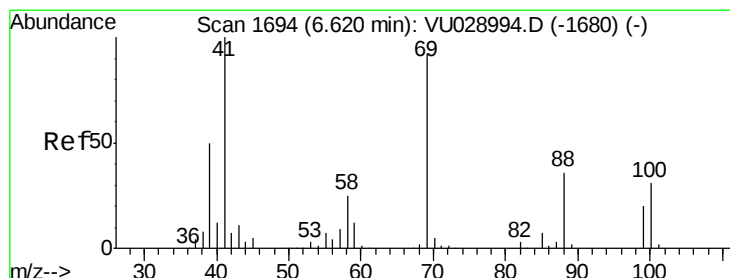
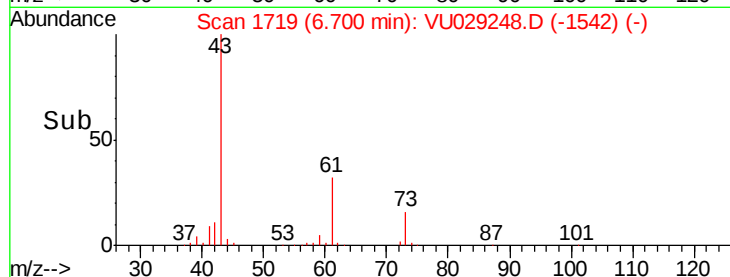
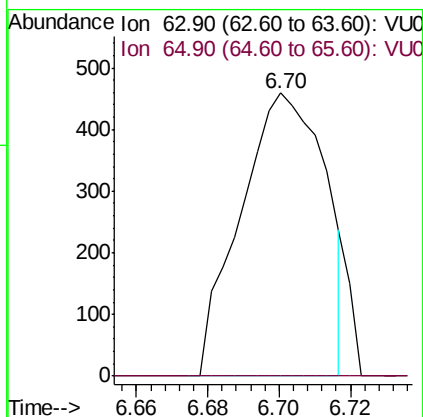
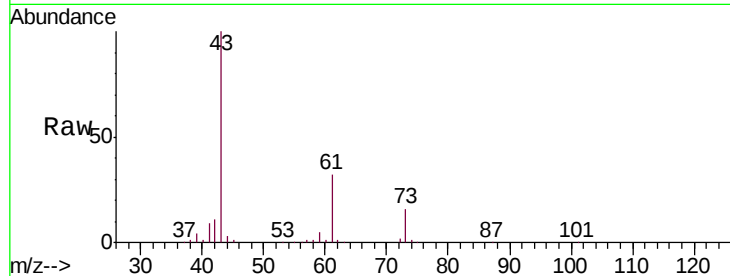




#45
 1,2-Dichloropropane
 Concen: 0.465 ug/l
 RT: 6.70 min Scan# 1719
 Delta R.T. 0.27 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

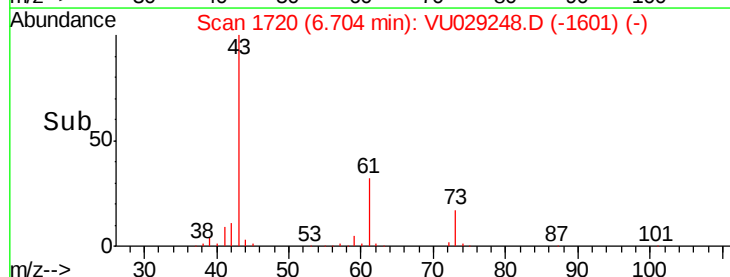
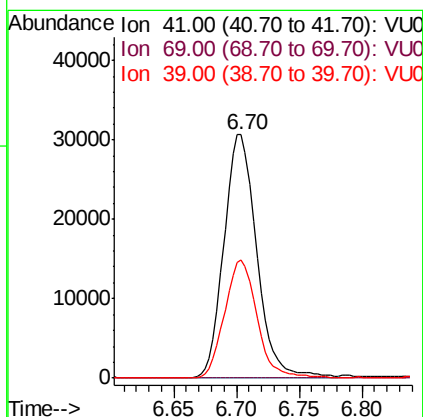
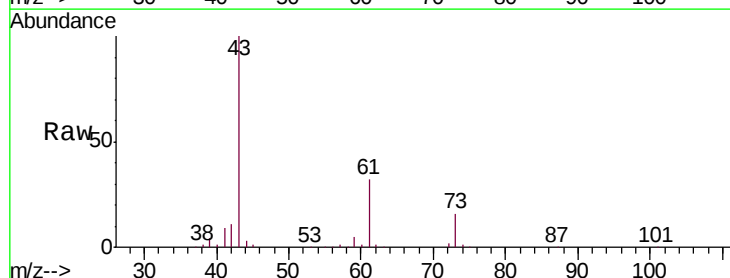
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#08

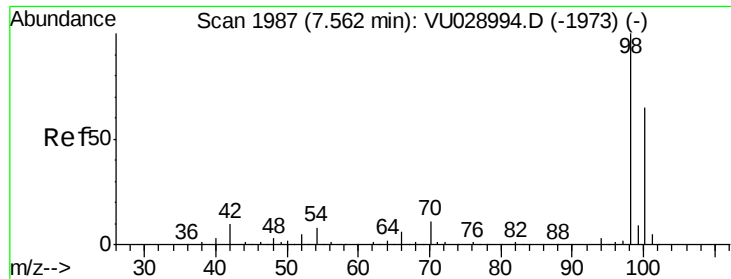
Tgt Ion: 63 Resp: 752
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 34.649 ug/l
 RT: 6.70 min Scan# 1720
 Delta R.T. 0.08 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

Tgt Ion: 41 Resp: 55781
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.6 110.4#
 39 47.9 39.6 59.4

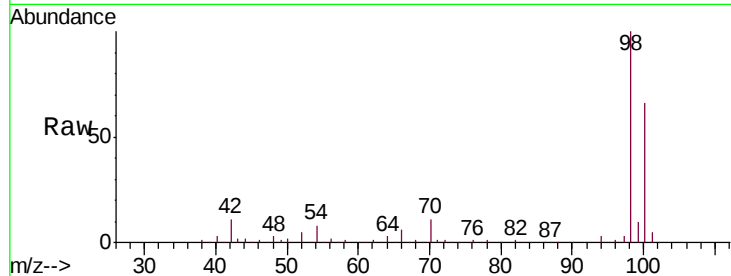




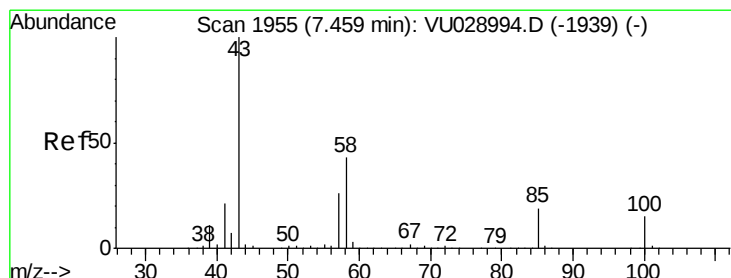
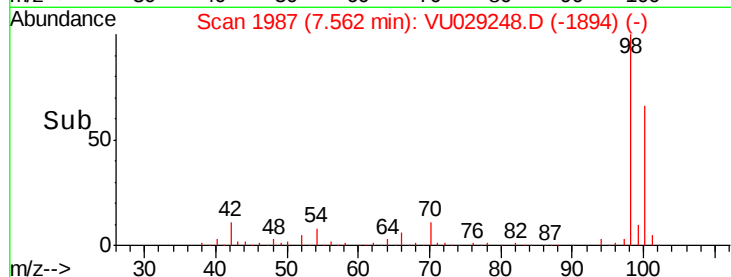
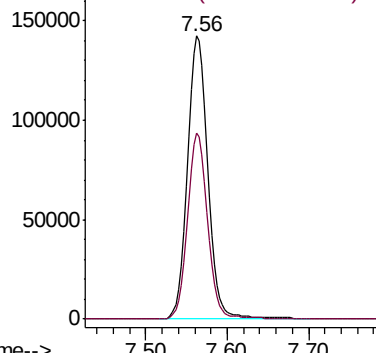
#50
Toluene-d8
Concen: 50.429 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

Tgt Ion: 98 Resp: 253523
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

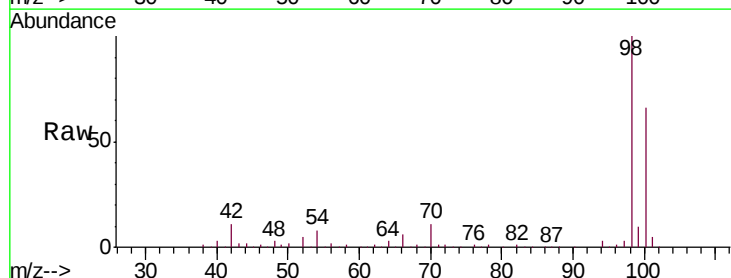


Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

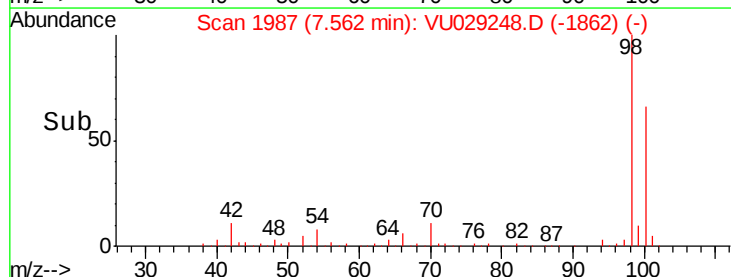
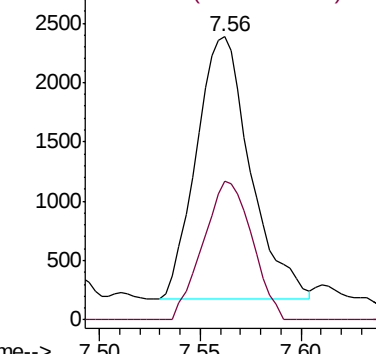


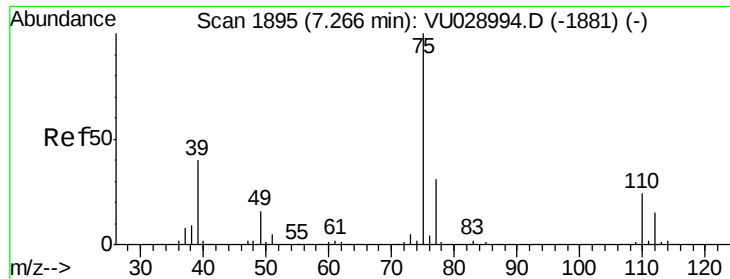
#51
4-Methyl-2-Pentanone
Concen: 1.843 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Tgt Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
58 47.8 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) (-)

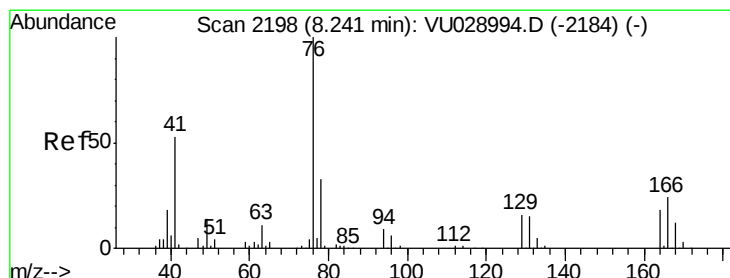
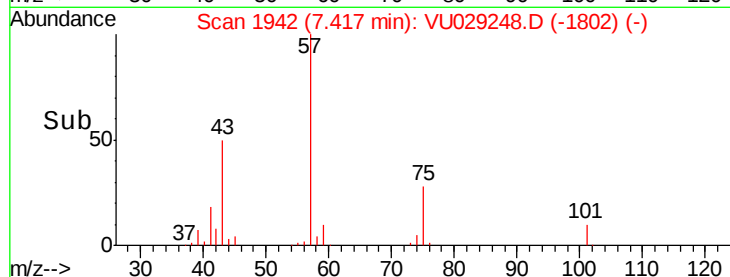
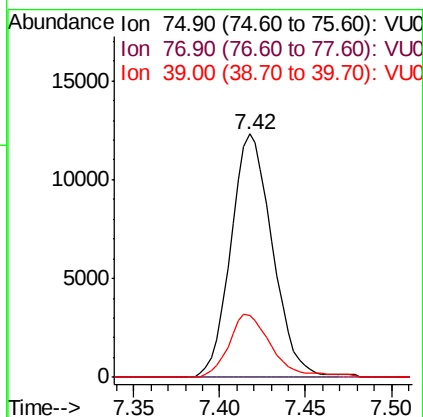
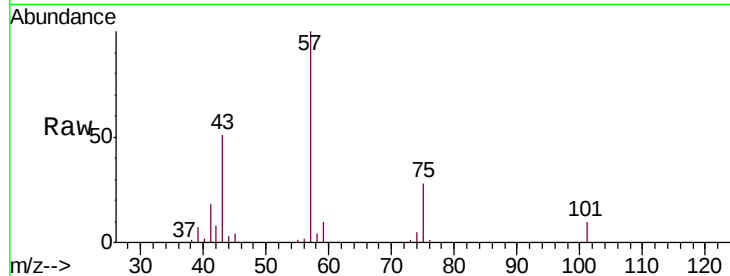




#54
 cis-1,3-Dichloropropene
 Concen: 8.381 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

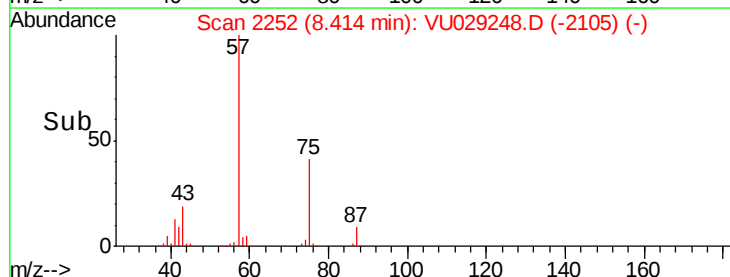
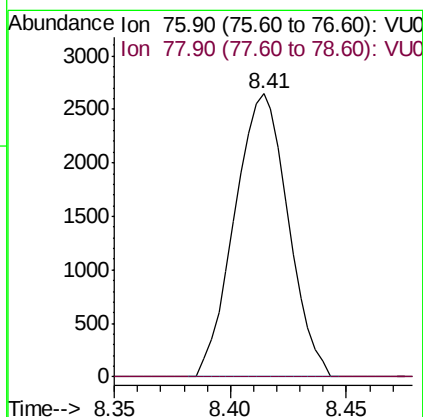
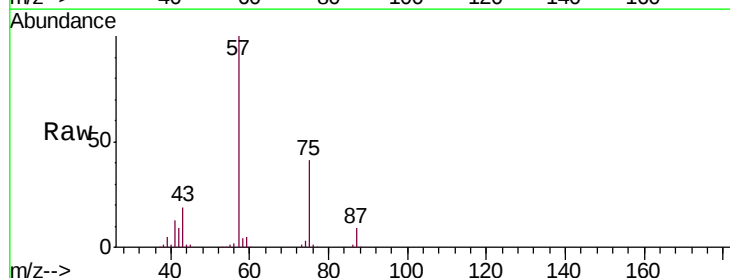
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#08

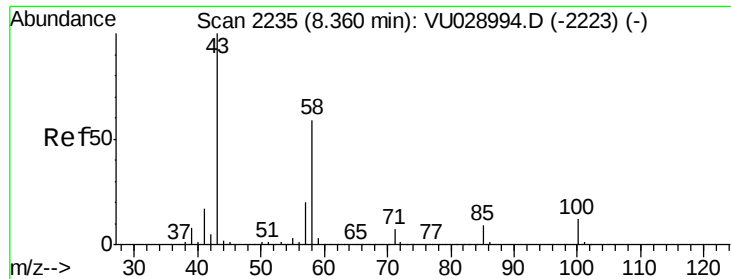
Tgt Ion: 75 Resp: 20710
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 25.5 32.2 48.4#



#57
 1,3-Dichloropropane
 Concen: 1.658 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

Tgt Ion: 76 Resp: 4239
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

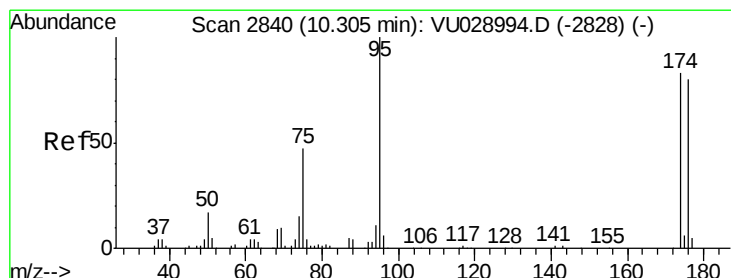
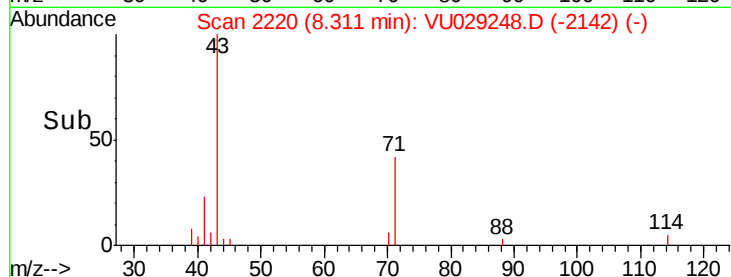
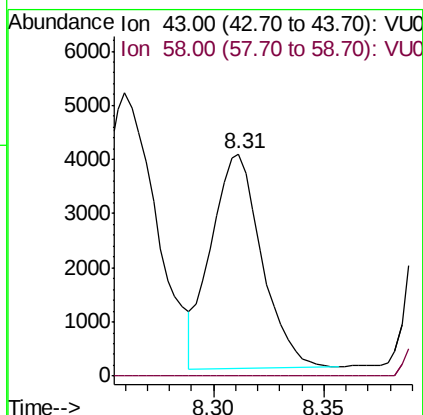
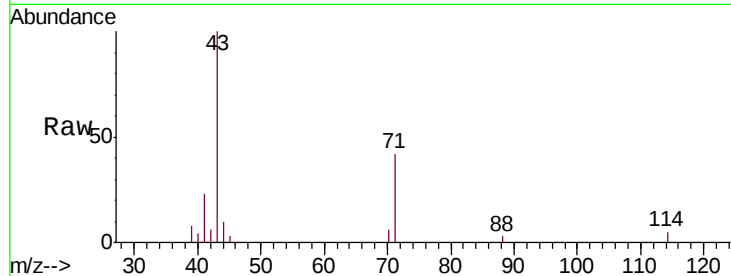




#59
2-Hexanone
Concen: 3.552 ug/l
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

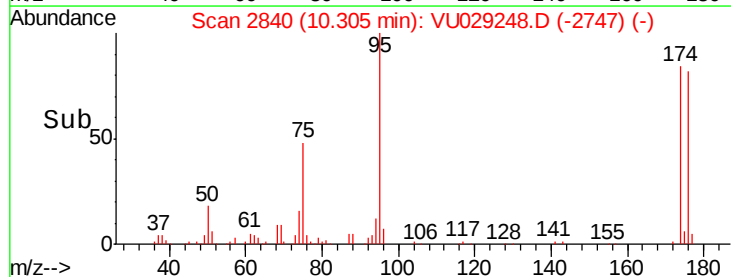
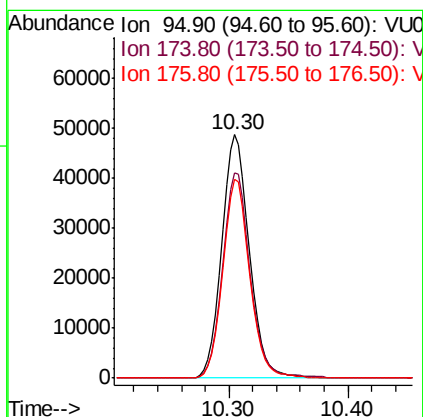
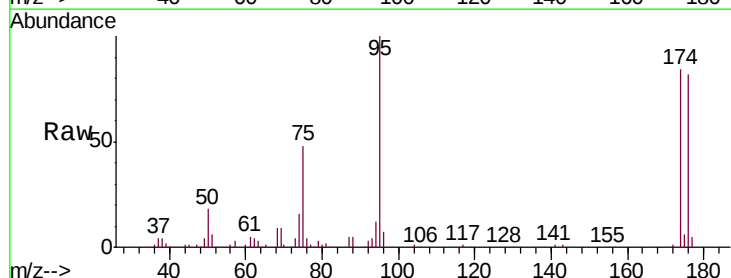
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

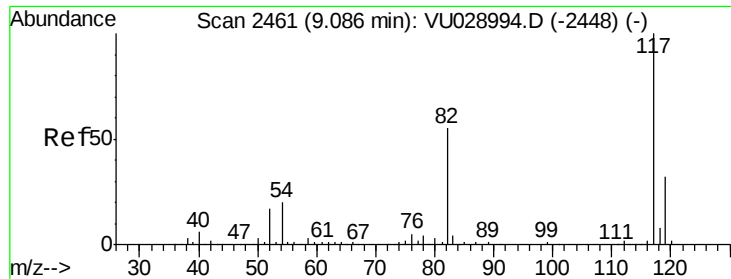
Tgt Ion: 43 Resp: 6273
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 43.264 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Tgt Ion: 95 Resp: 78166
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.6
176 80.2 0.0 165.0

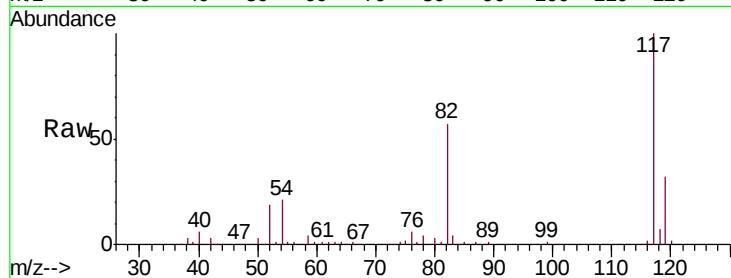




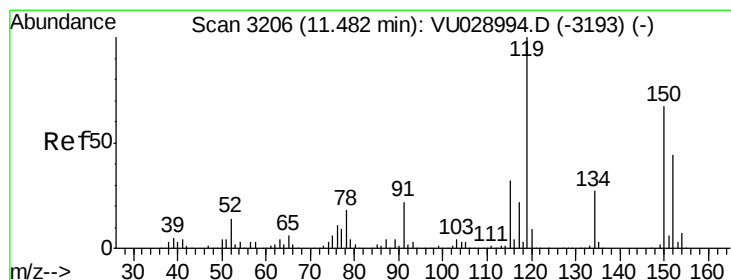
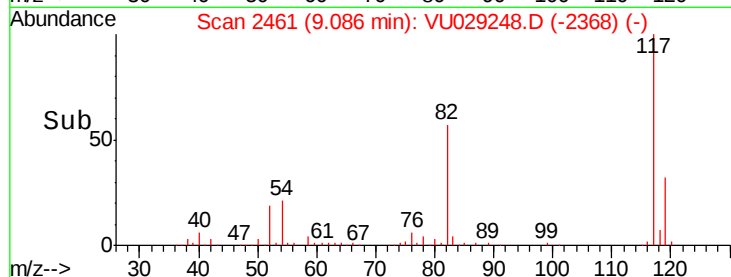
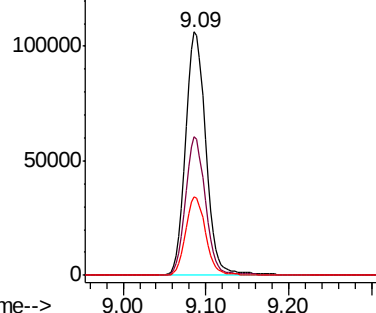
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#08

Tgt Ion:117 Resp: 181066
Ion Ratio Lower Upper
117 100
82 57.0 43.9 65.9
119 32.4 26.0 39.0

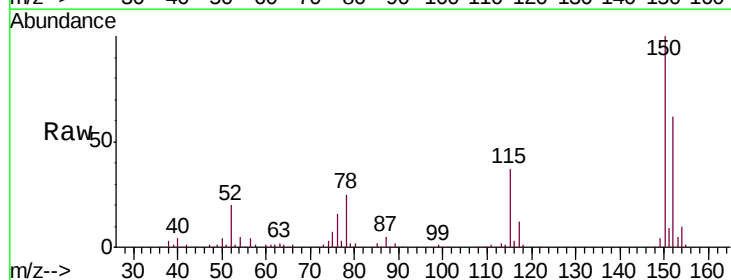


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

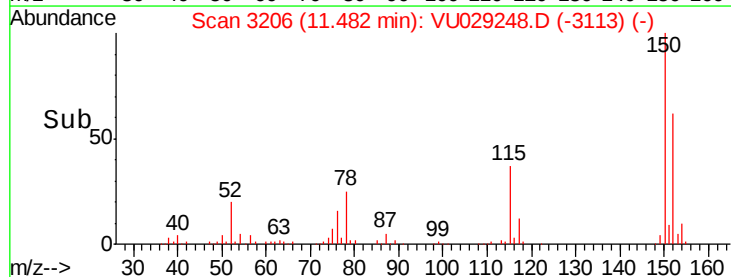
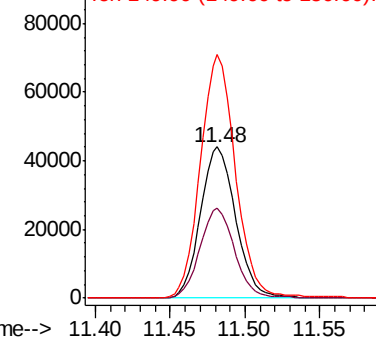


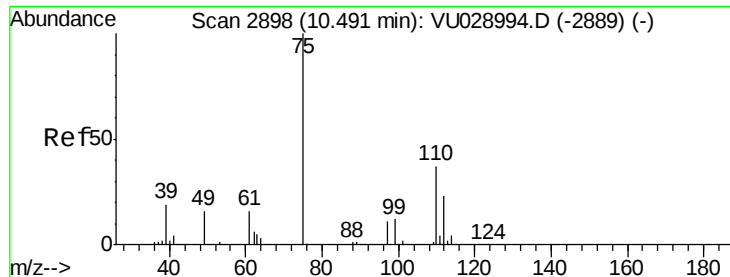
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029248.D
Acq: 21 Jan 2019 14:56

Tgt Ion:152 Resp: 72147
Ion Ratio Lower Upper
152 100
115 59.0 40.1 120.3
150 161.6 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

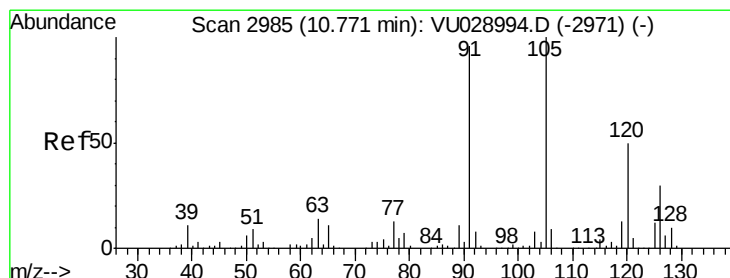
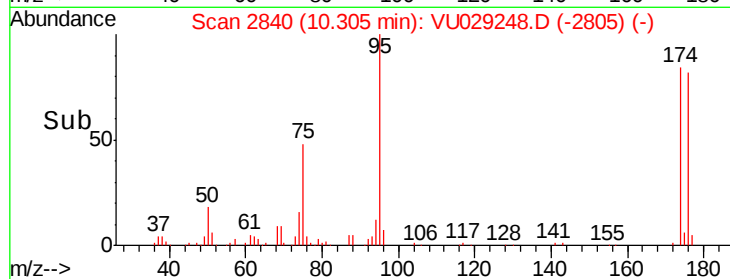
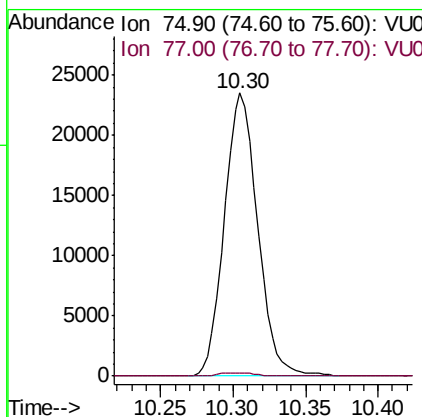
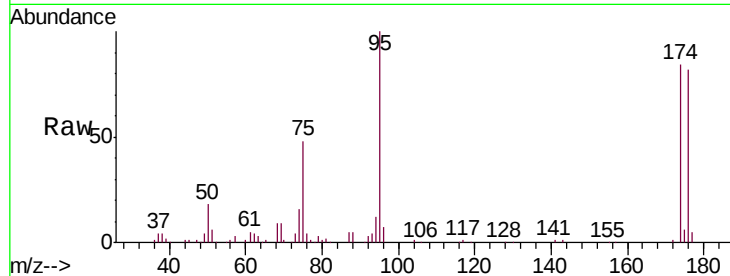




#76
 1,2,3-Trichloropropane
 Concen: 21.214 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

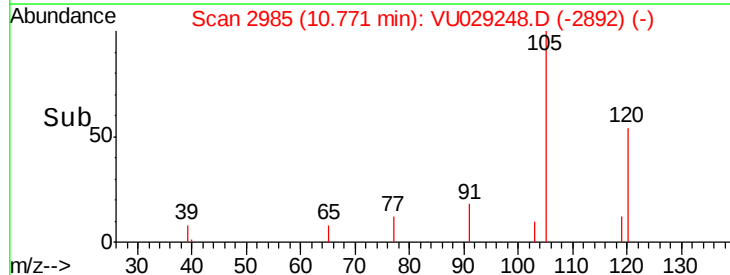
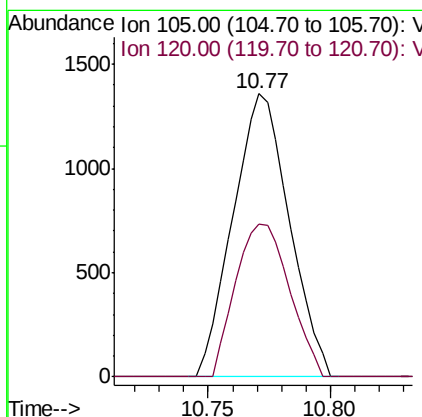
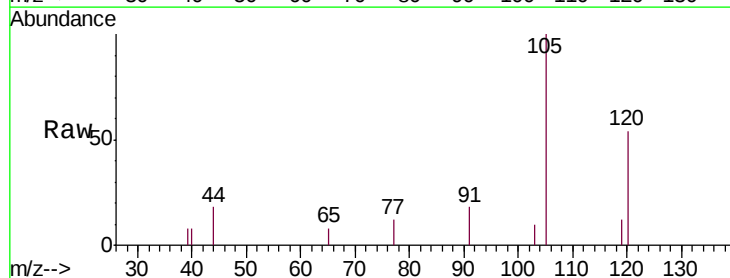
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#08

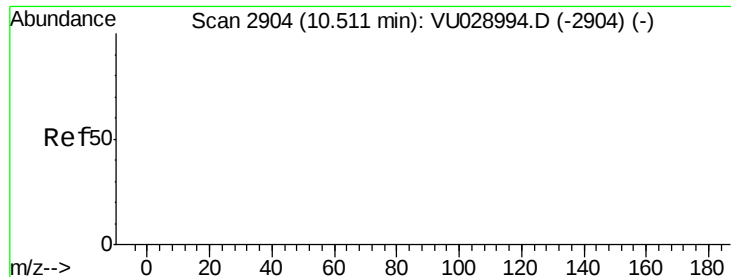
Tgt Ion: 75 Resp: 37500
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.487 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029248.D
 Acq: 21 Jan 2019 14:56

Tgt Ion: 105 Resp: 2171
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.712 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029248.D

Acq: 21 Jan 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#08

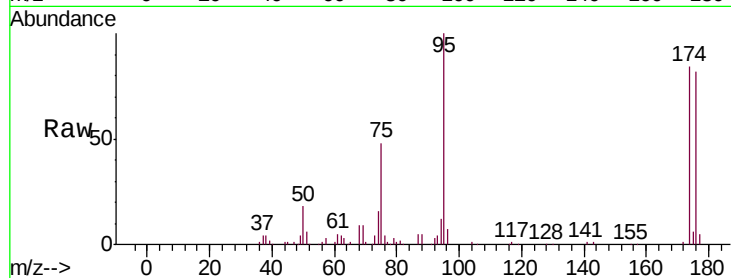
Tgt Ion: 75 Resp: 37500

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

