

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112718\
 Data File : VU028343.D
 Acq On : 27 Nov 2018 18:12
 Operator : MD/SY
 Sample : VU1127WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBL01

Quant Time: Nov 28 04:20:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	196910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	365103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	322893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	125482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	171829	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
35) Dibromofluoromethane	4.88	113	124773	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
50) Toluene-d8	7.57	98	469161	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	10.31	95	152544	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

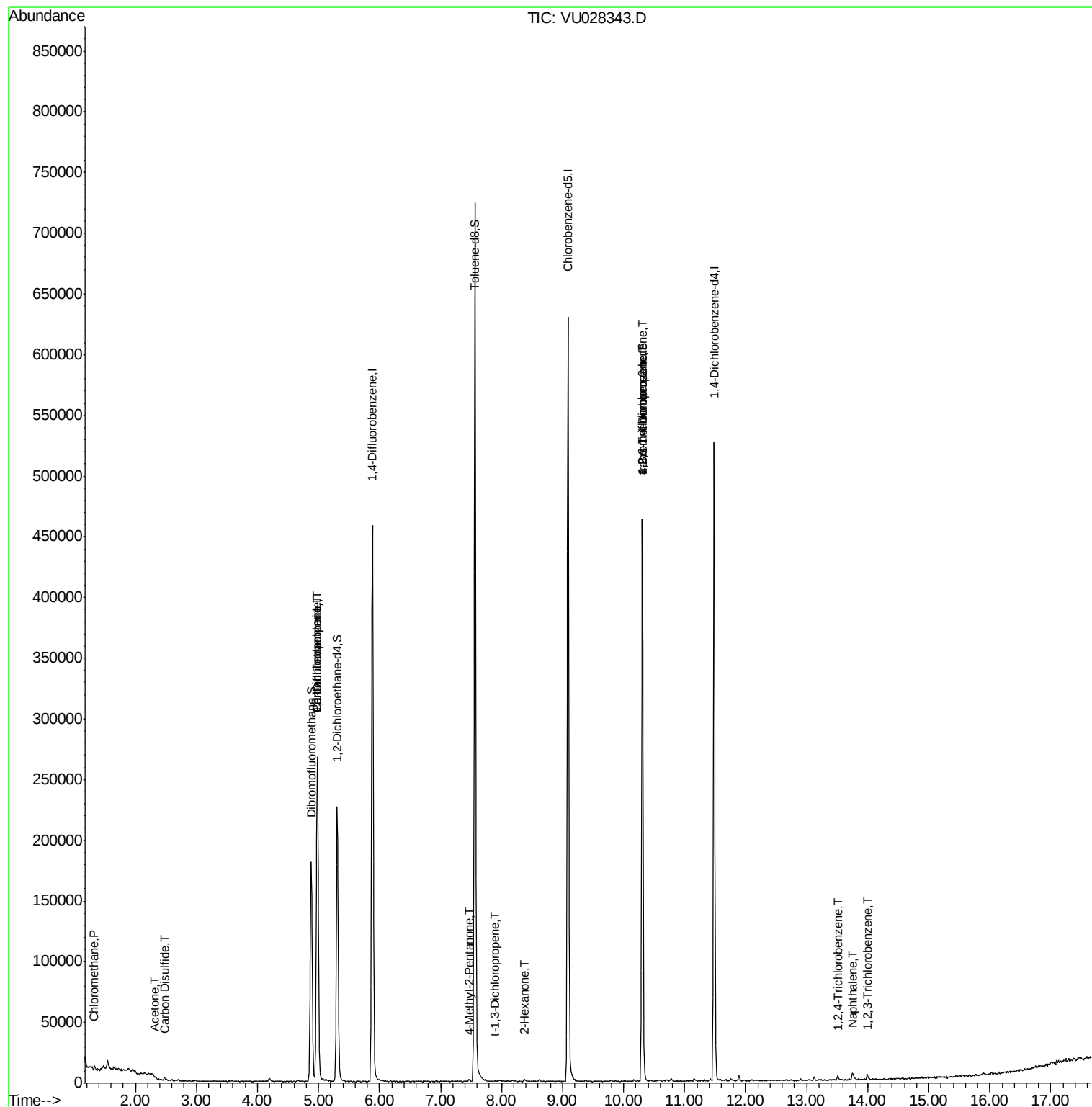
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2405	0.795	ug/l	100
13) Acrolein	2.20	56	85	Below Cal	#	24
16) Acetone	2.32	43	1281	0.705	ug/l	92
17) Carbon Disulfide	2.48	76	2614	0.388	ug/l	96
31) Cyclohexane	4.98	56	5068	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	18716	4.895	ug/l	# 49
38) Carbon Tetrachloride	4.98	117	20148	5.946	ug/l	# 16
51) 4-Methyl-2-Pentanone	7.46	43	1330	0.227	ug/l	# 65
53) t-1,3-Dichloropropene	7.89	75	284	1.178	ug/l	# 43
59) 2-Hexanone	8.38	43	1872	0.413	ug/l	88
76) 1,2,3-Trichloropropane	10.30	75	83943	24.457	ug/l	# 34
81) trans-1,4-Dichloro-2-buten	10.30	75	83943	61.005	ug/l	# 100
93) 1,2,4-Trichlorobenzene	13.51	180	1296	1.125	ug/l	70
95) Naphthalene	13.75	128	6430	0.445	ug/l	# 95
96) 1,2,3-Trichlorobenzene	13.99	180	1747	0.629	ug/l	97

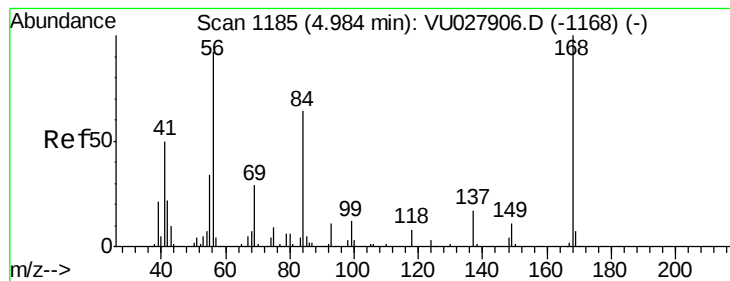
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028343.D

Acq: 27 Nov 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

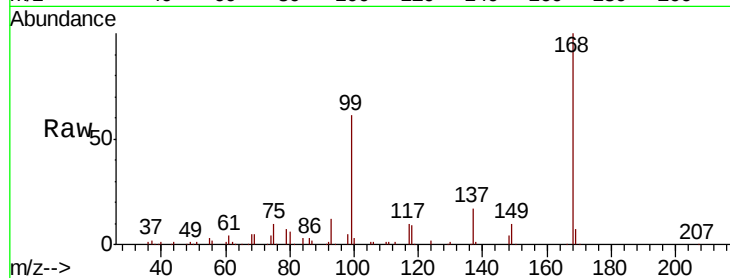
VU1127WBL01

Tot Ion:168 Resp: 196910

Ion Ratio Lower Upper

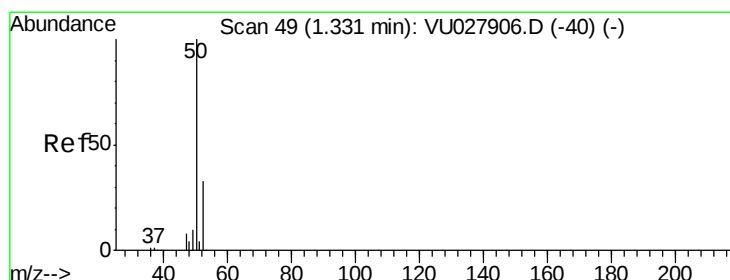
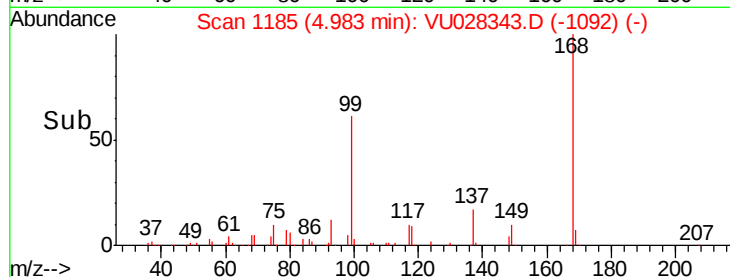
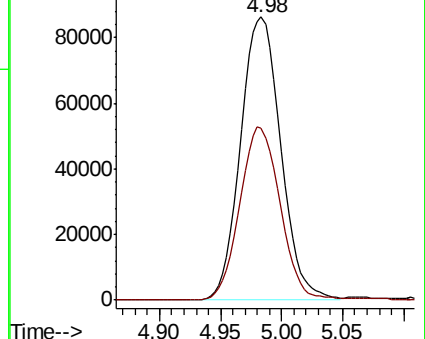
168 100

99 60.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028343.D (-1092) (-)



#3

Chloromethane

Concen: 0.795 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028343.D

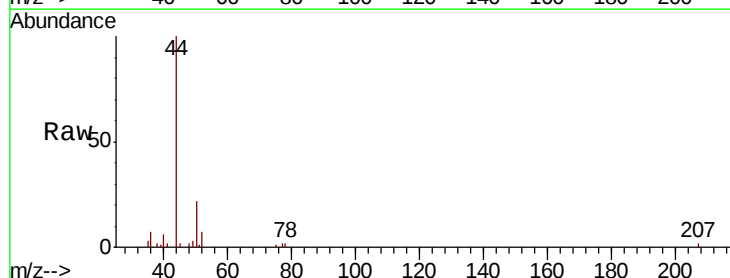
Acq: 27 Nov 2018 18:12

Tgt Ion: 50 Resp: 2405

Ion Ratio Lower Upper

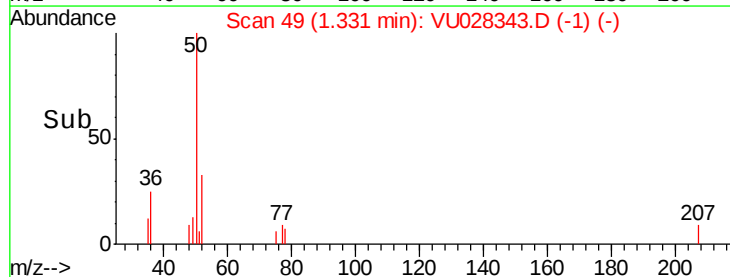
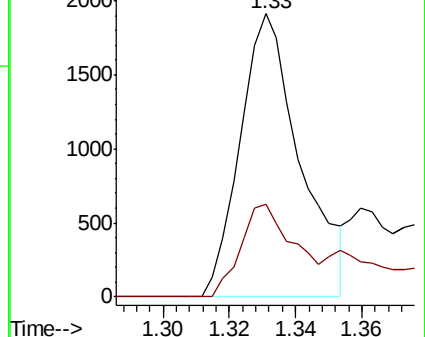
50 100

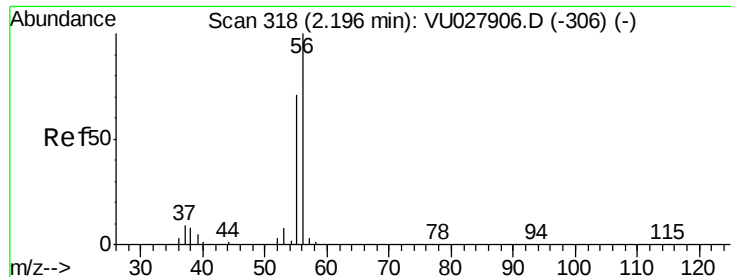
52 32.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028343.D (-1) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU028343.D

Acq: 27 Nov 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

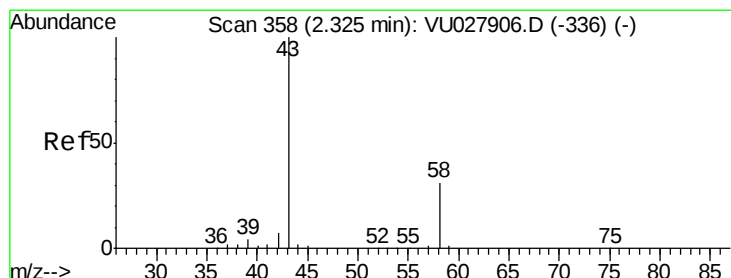
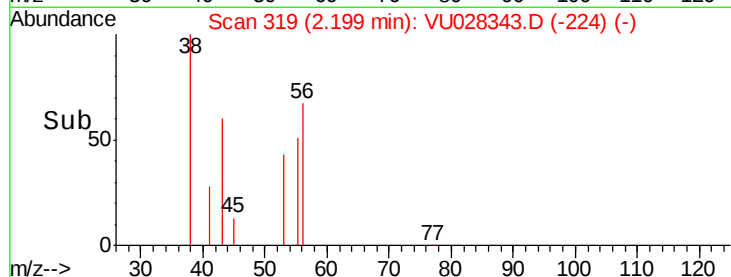
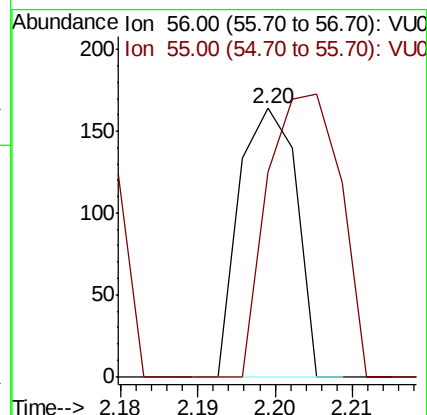
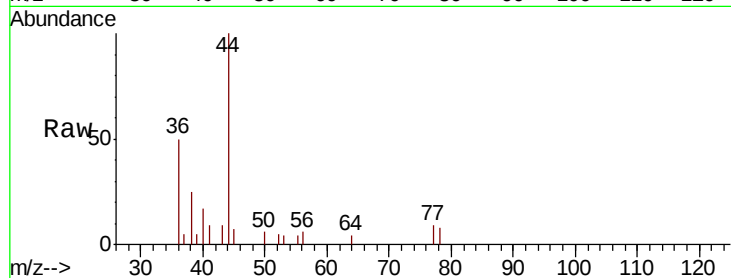
VU1127WBL01

Tot Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

55 132.9 56.2 84.4#



#16

Acetone

Concen: 0.705 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.01 min

Lab File: VU028343.D

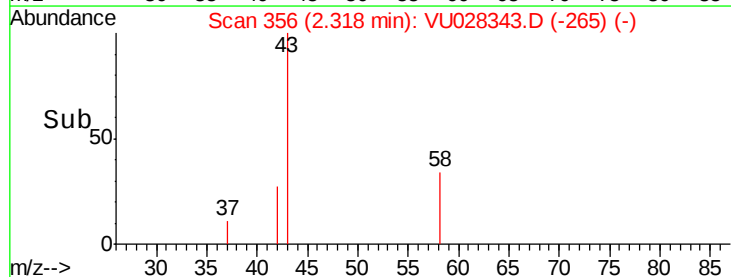
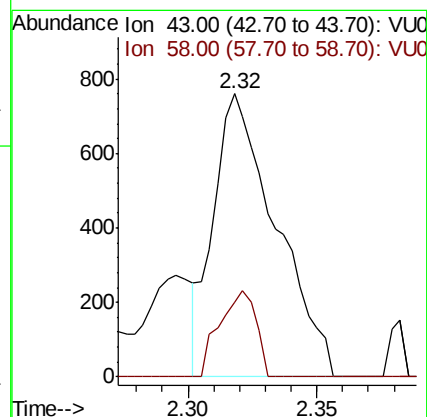
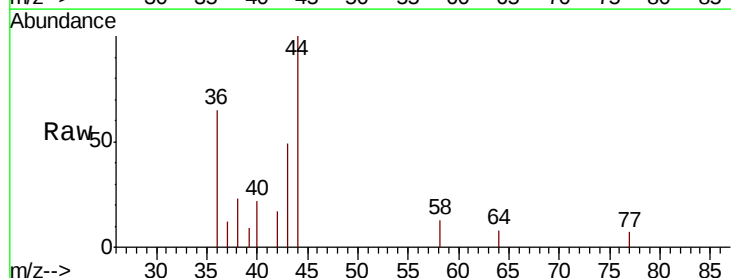
Acq: 27 Nov 2018 18:12

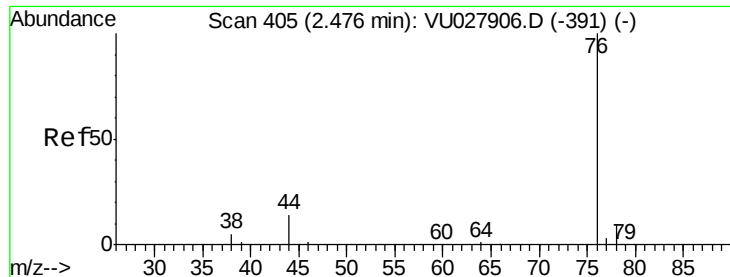
Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

58 26.2 24.6 37.0

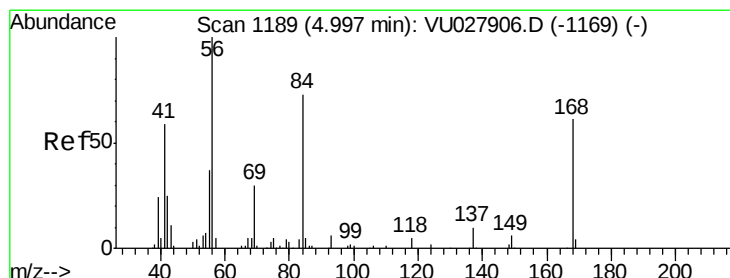
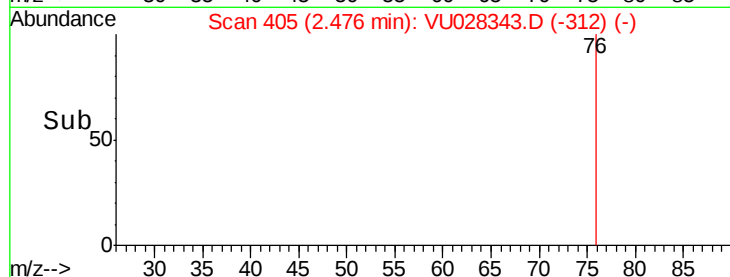
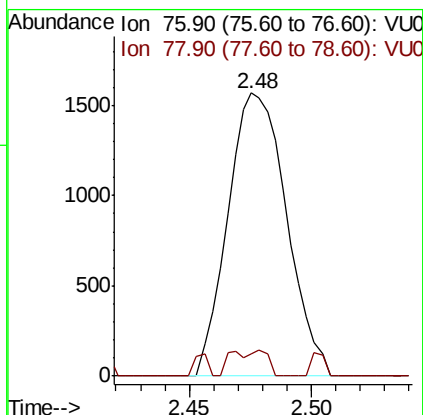
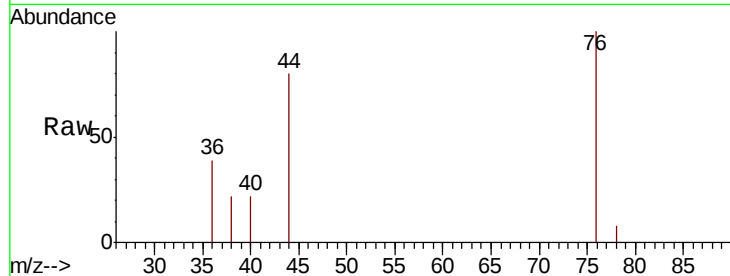




#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

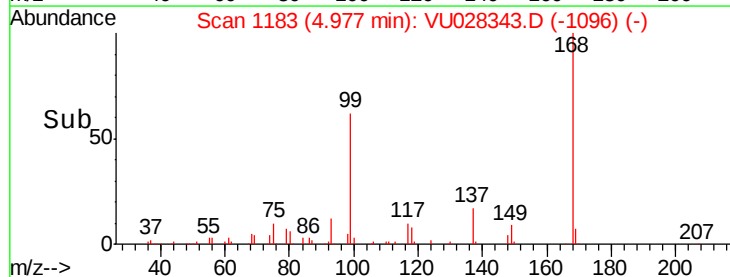
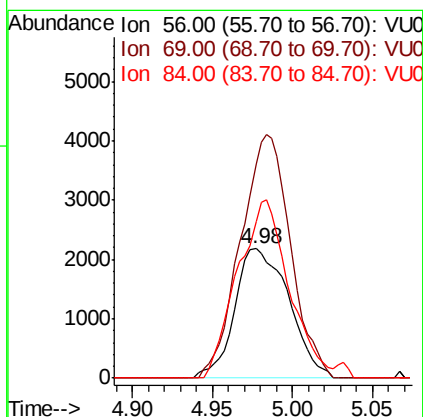
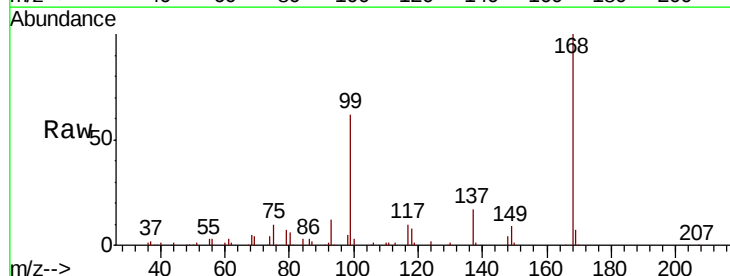
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBL01

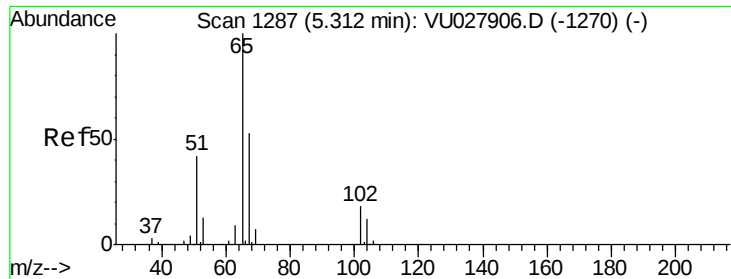
Tot Ion: 76 Resp: 2614
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

Tgt Ion: 56 Resp: 5068
Ion Ratio Lower Upper
56 100
69 165.7 23.7 35.5#
84 121.2 58.2 87.4#

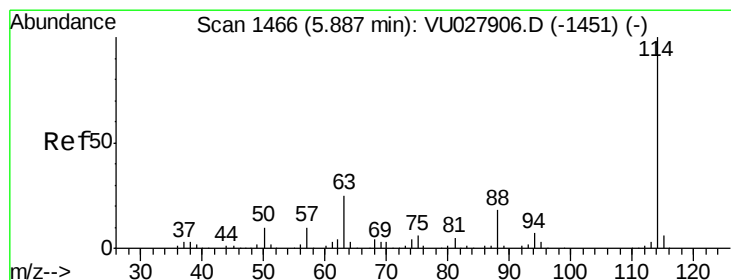
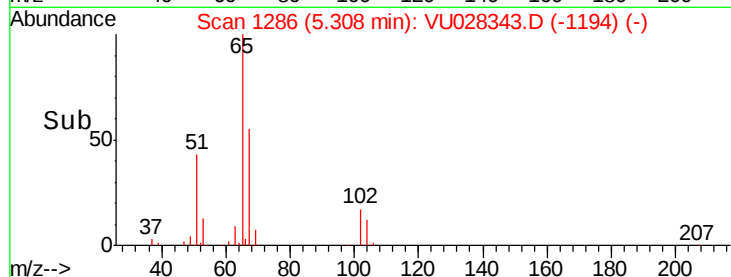
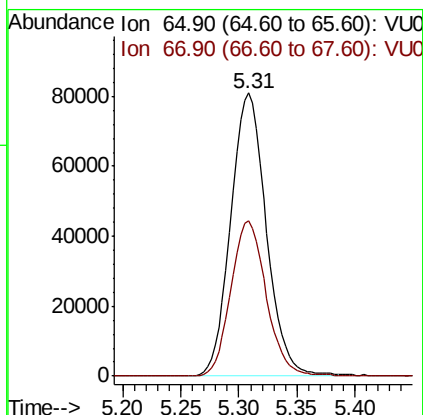
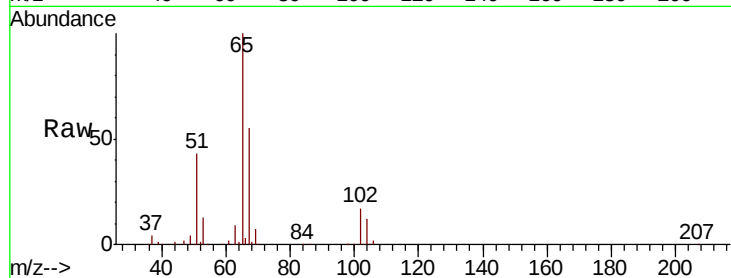




#33
 1,2-Dichloroethane-d4
 Concen: 58.694 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

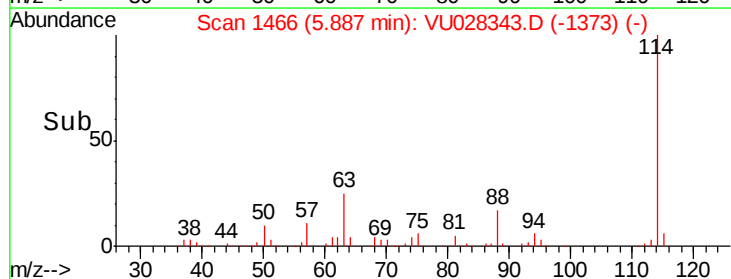
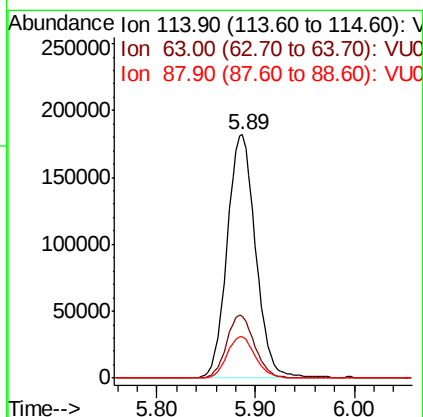
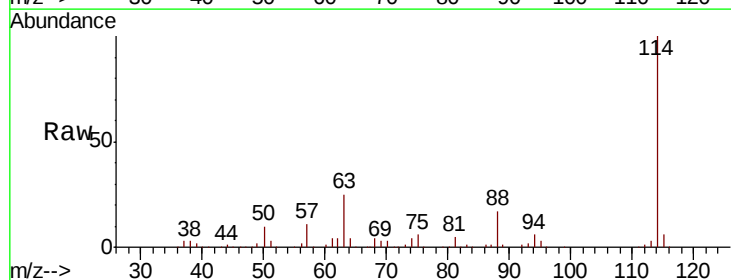
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBL01

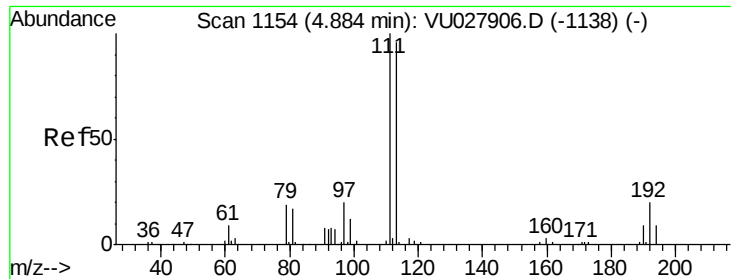
Tot Ion: 65 Resp: 171829
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

Tgt Ion: 114 Resp: 365103
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 50.8
 88 16.9 0.0 35.8

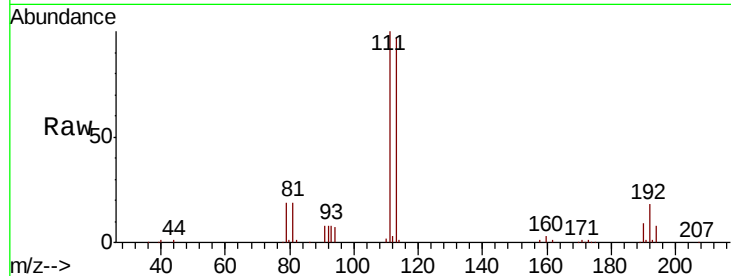




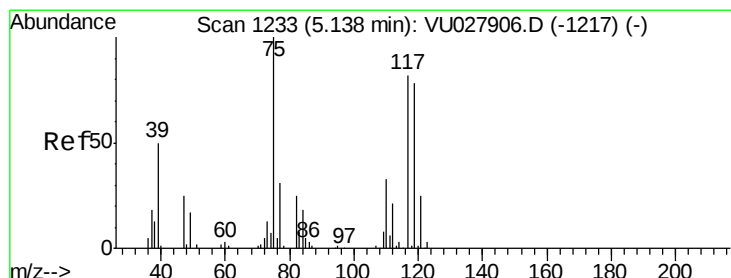
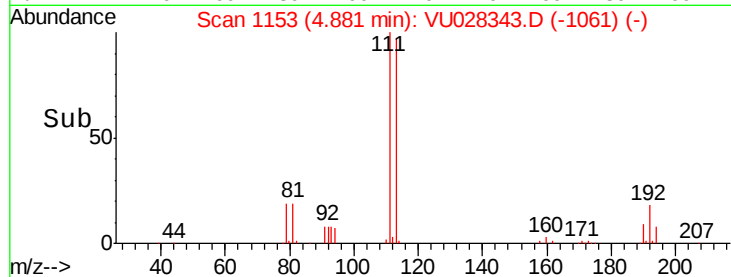
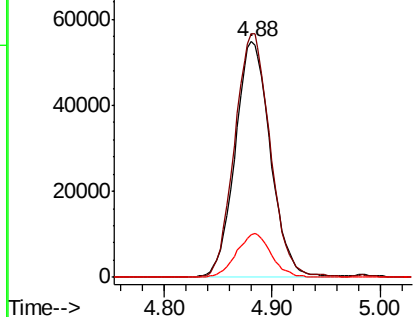
#35
 Dibromofluoromethane
 Concen: 54.201 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.0	124.6
192	18.3	15.6	23.4

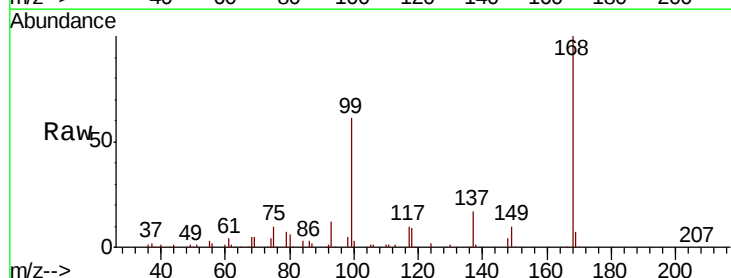


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

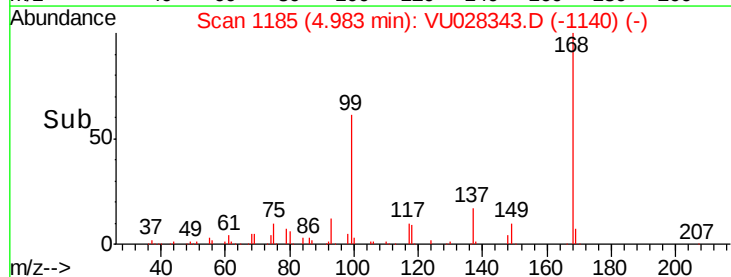
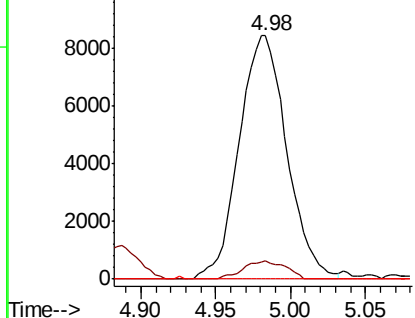


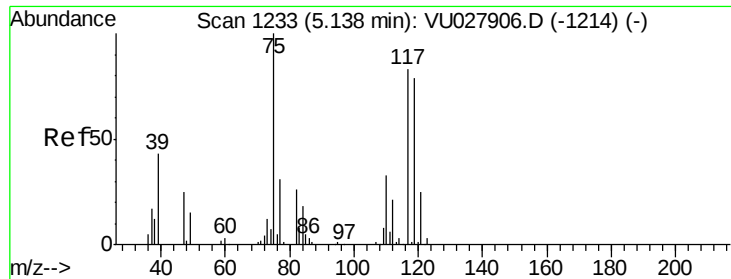
#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.5	49.5#
77	0.0	24.9	37.3#



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





#38

Carbon Tetrachloride

Concen: 5.946 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028343.D

Acq: 27 Nov 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBL01

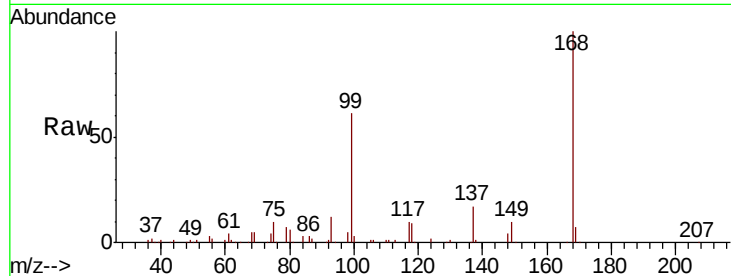
Tot Ion:117 Resp: 20148

Ion Ratio Lower Upper

117 100

119 4.6 76.0 114.0#

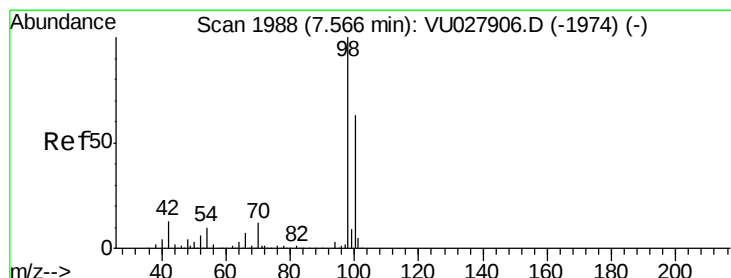
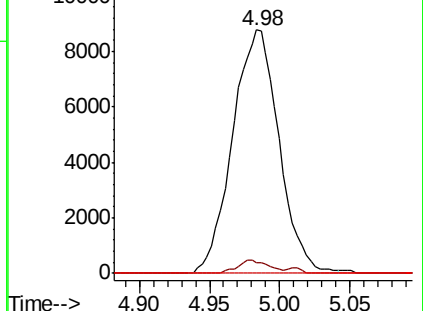
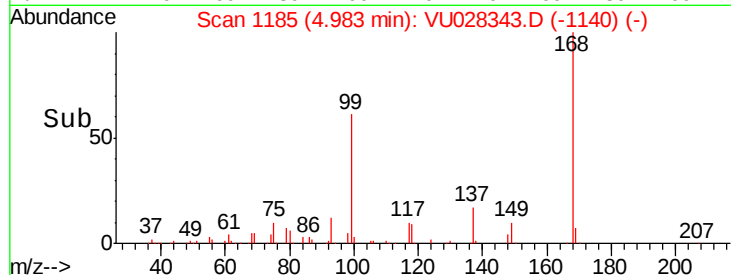
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 52.759 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028343.D

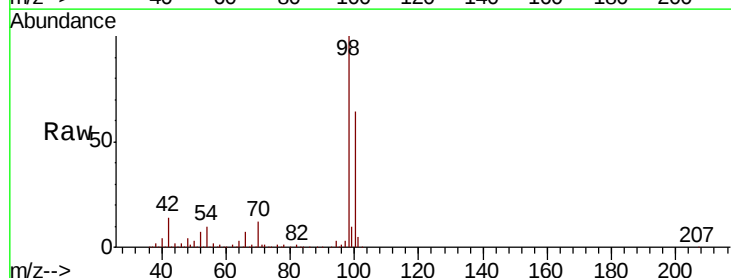
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Tgt Ion: 98 Resp: 469161

Ion Ratio Lower Upper

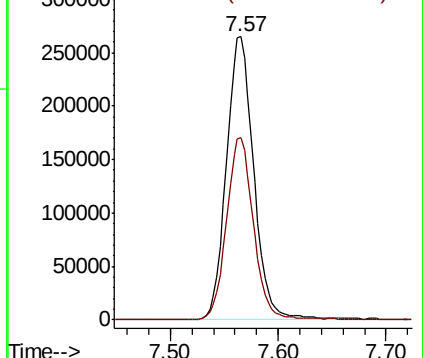
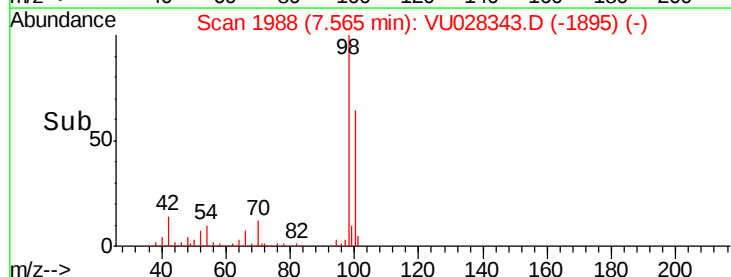
98 100

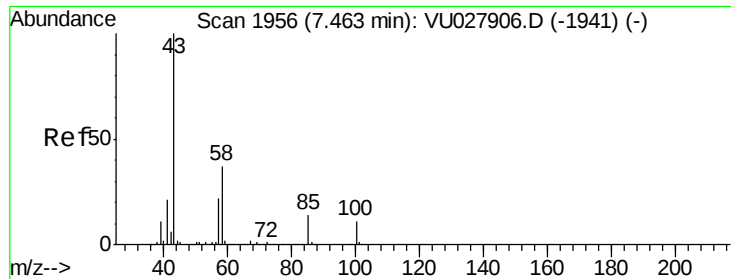
100 63.4 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.227 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028343.D

Acq: 27 Nov 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

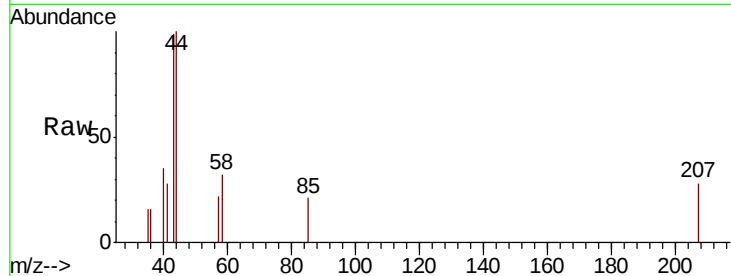
VU1127WBL01

Tot Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

58 15.9 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

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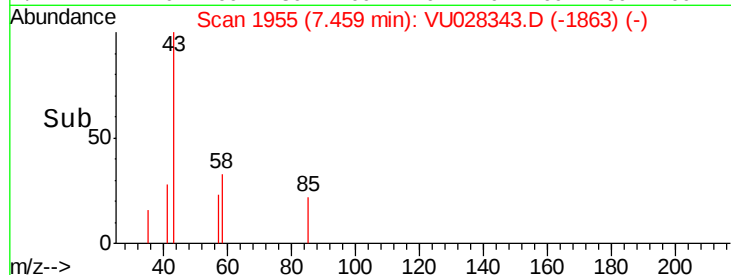
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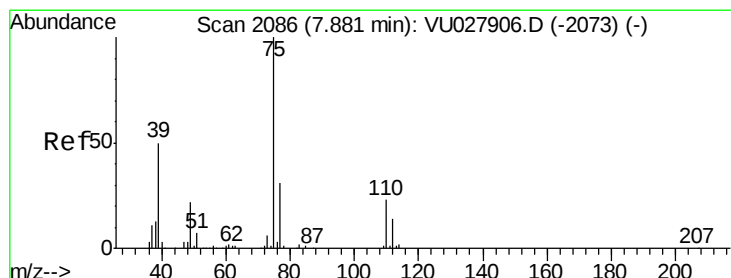
7.46

7.46

7.46



Time-->



#53

t-1,3-Dichloropropene

Concen: 1.178 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU028343.D

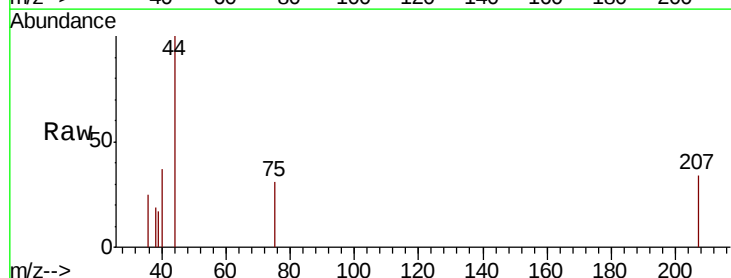
Acq: 27 Nov 2018 18:12

Tgt Ion: 75 Resp: 284

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.89

7.89

7.89

7.89

7.89

7.89

7.89

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7.89

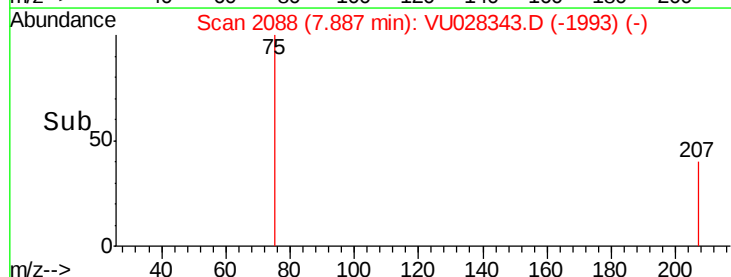
7.89

7.89

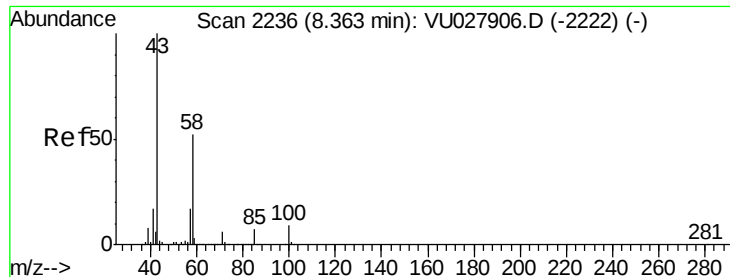
7.89

7.89

7.89



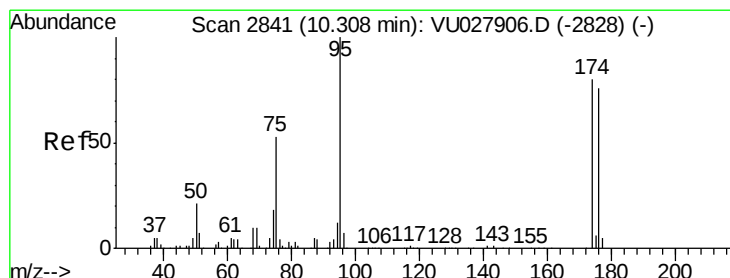
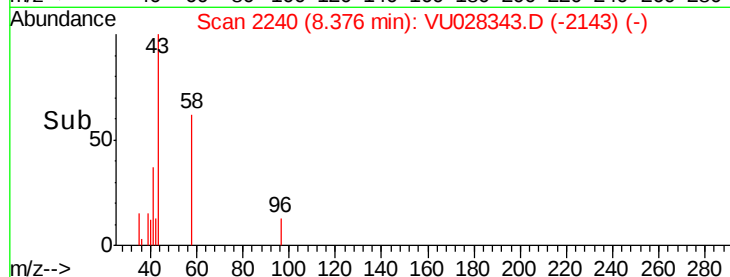
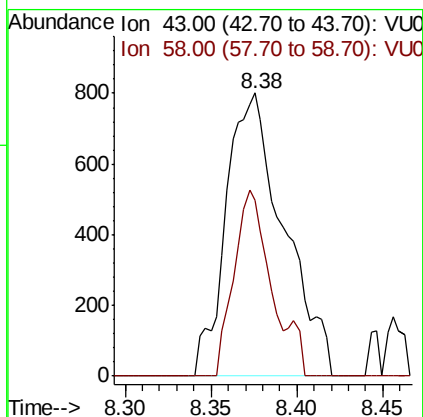
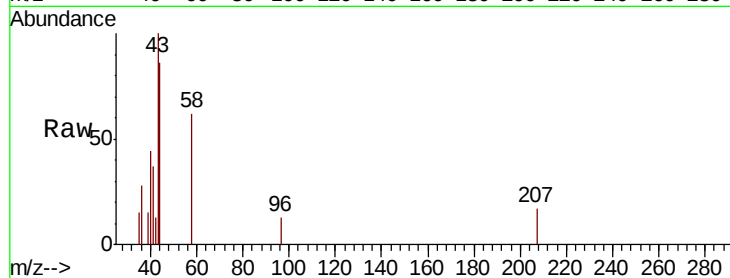
Time-->



#59
2-Hexanone
Concen: 0.413 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

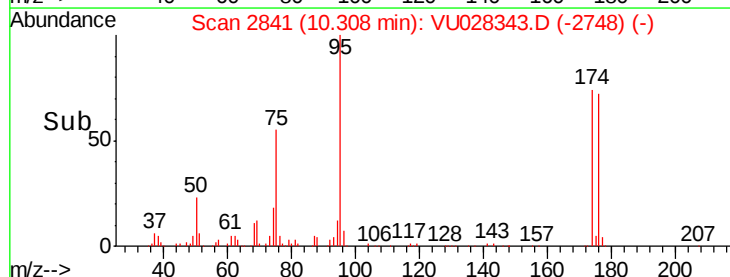
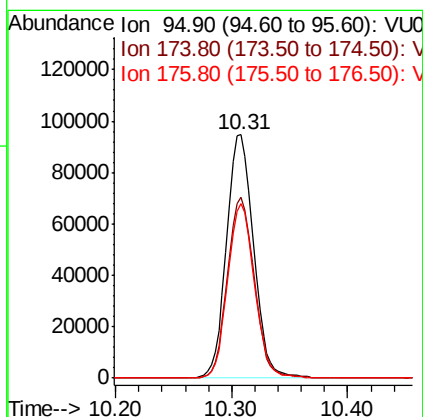
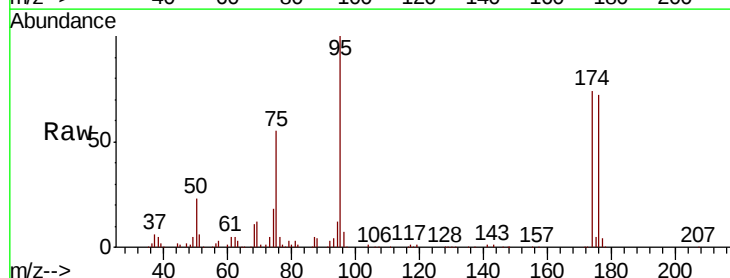
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBL01

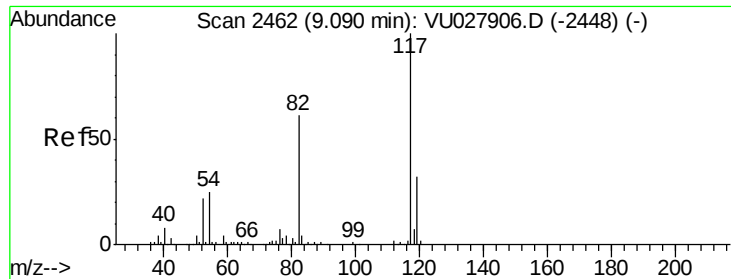
Tot Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 42.8 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 46.508 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

Tgt Ion: 95 Resp: 152544
Ion Ratio Lower Upper
95 100
174 73.7 0.0 156.4
176 70.9 0.0 150.8

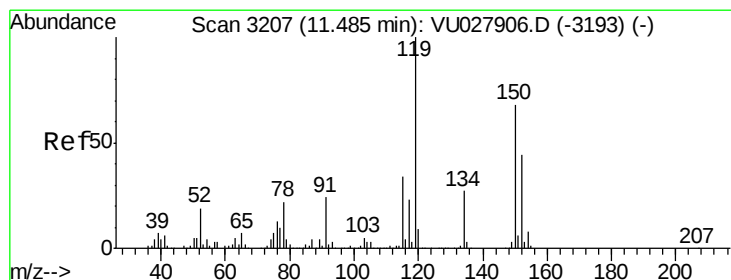
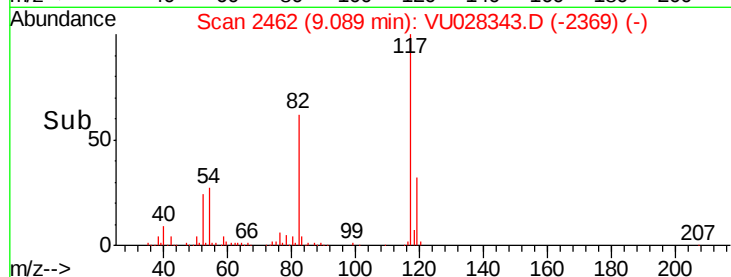
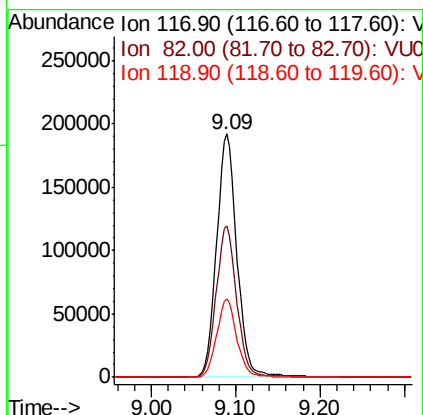
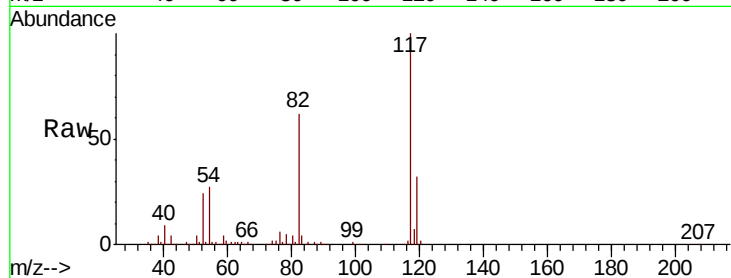




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

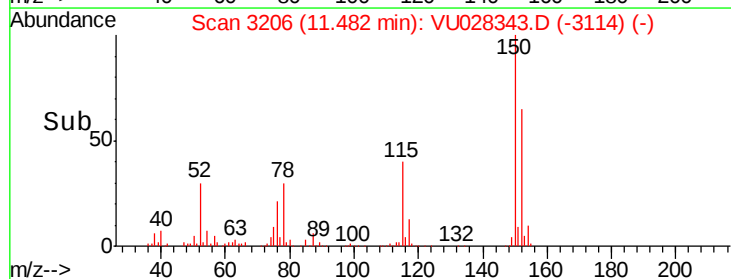
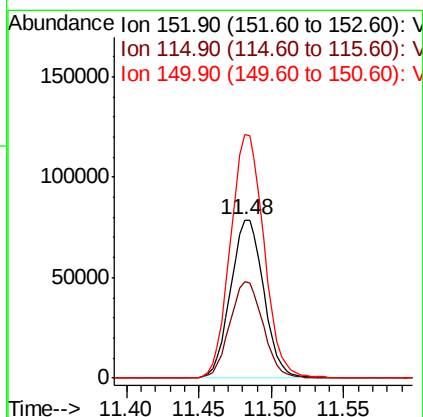
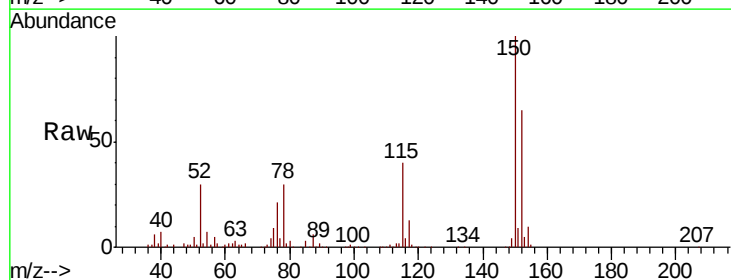
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBL01

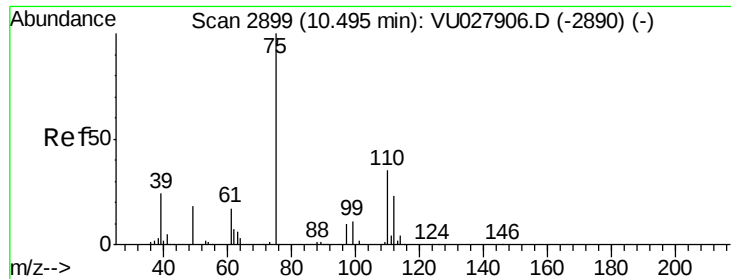
Tot Ion:117 Resp: 322893
Ion Ratio Lower Upper
117 100
82 62.3 48.6 73.0
119 32.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028343.D
Acq: 27 Nov 2018 18:12

Tgt Ion:152 Resp: 125482
Ion Ratio Lower Upper
152 100
115 61.0 43.0 129.0
150 155.1 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 24.457 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028343.D

Acq: 27 Nov 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

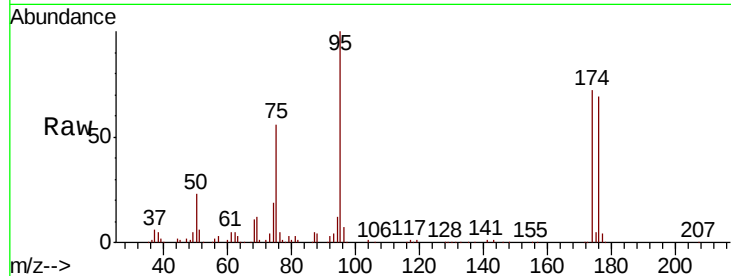
VU1127WBL01

Tot Ion: 75 Resp: 83943

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

50000

40000

30000

20000

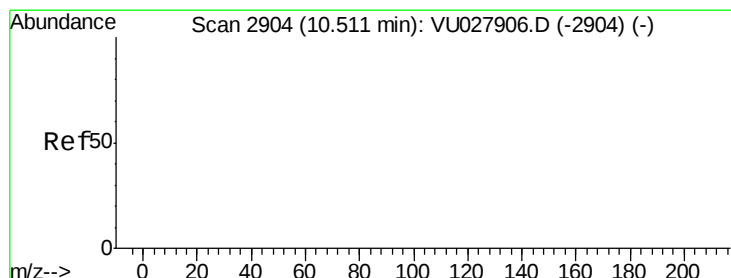
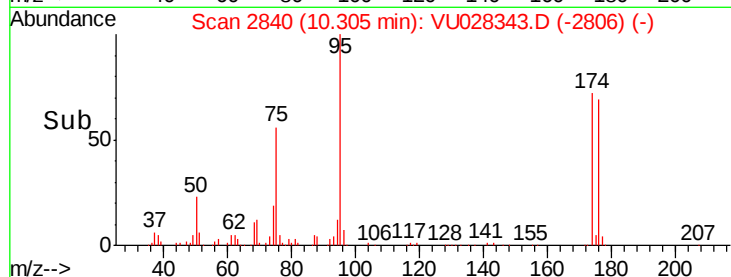
10000

0

10.30

10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.005 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028343.D

Acq: 27 Nov 2018 18:12

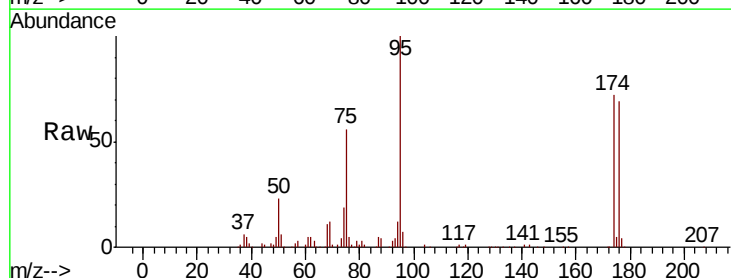
Tgt Ion: 75 Resp: 83943

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

60000

40000

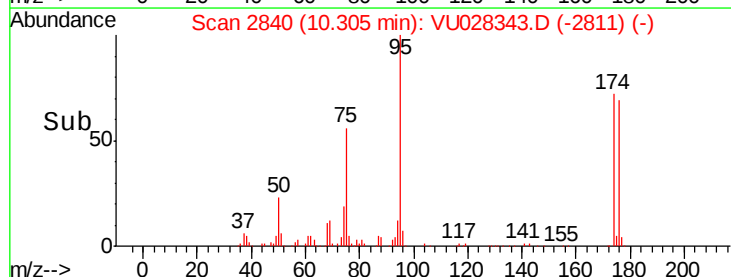
20000

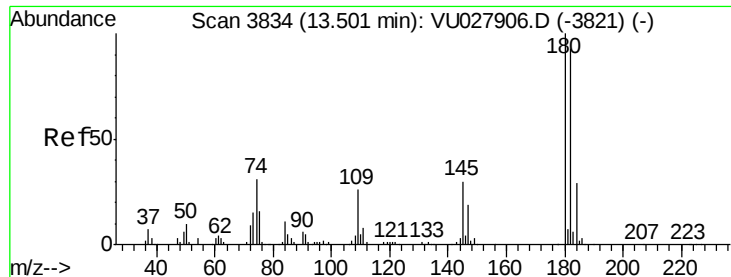
0

10.30

10.40

Time-->

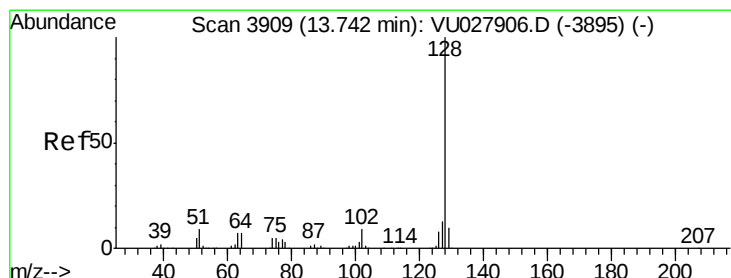
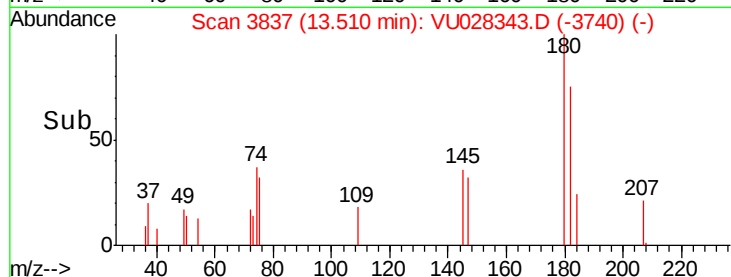
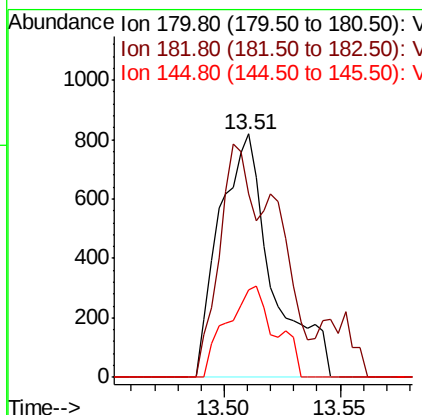
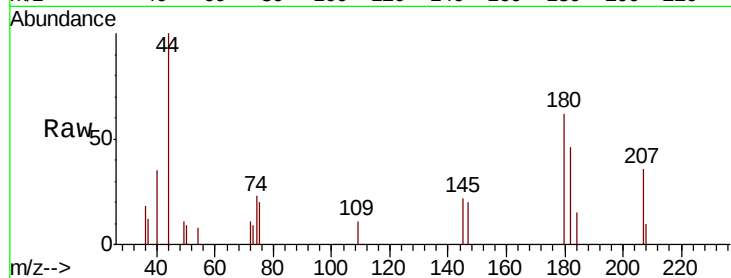




#93
 1,2,4-Trichlorobenzene
 Concen: 1.125 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

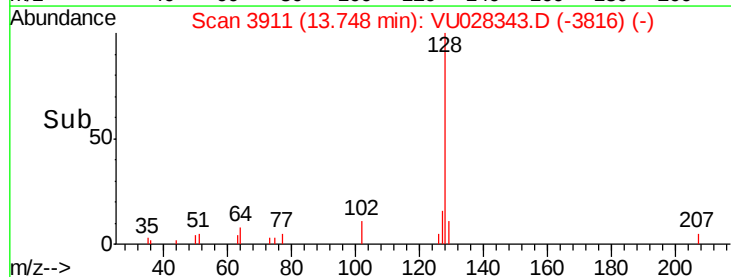
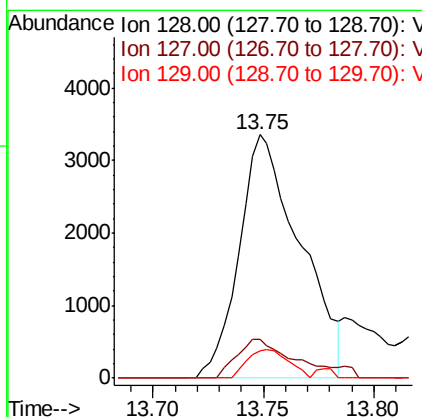
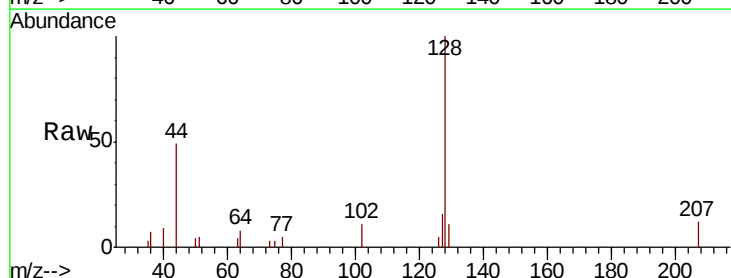
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBL01

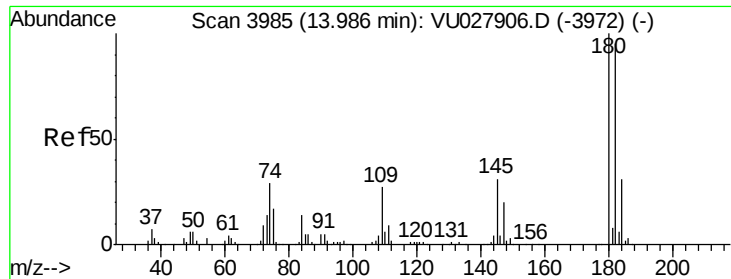
Tot Ion	Ratio	Lower	Upper
180	100		
182	60.9	48.4	145.2
145	34.2	14.9	44.5



#95
 Naphthalene
 Concen: 0.445 ug/l
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.4	15.6
129	7.9	8.3	12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.629 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028343.D
 Acq: 27 Nov 2018 18:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.4	142.3
145	33.8	16.0	47.9

