

Data File : VU034303.D
Acq On : 05 Sep 2019 22:54
Operator : JC/SP
Sample : K4579-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PAR-12-A3-(0)

Quant Time: Sep 06 07:44:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	429901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	669323	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	683703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	335382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	273849	42.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.20%	
35) Dibromofluoromethane	4.86	113	240494	38.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.22%	
50) Toluene-d8	7.55	98	958450	40.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.92%	
62) 4-Bromofluorobenzene	10.29	95	338355	37.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.90%	

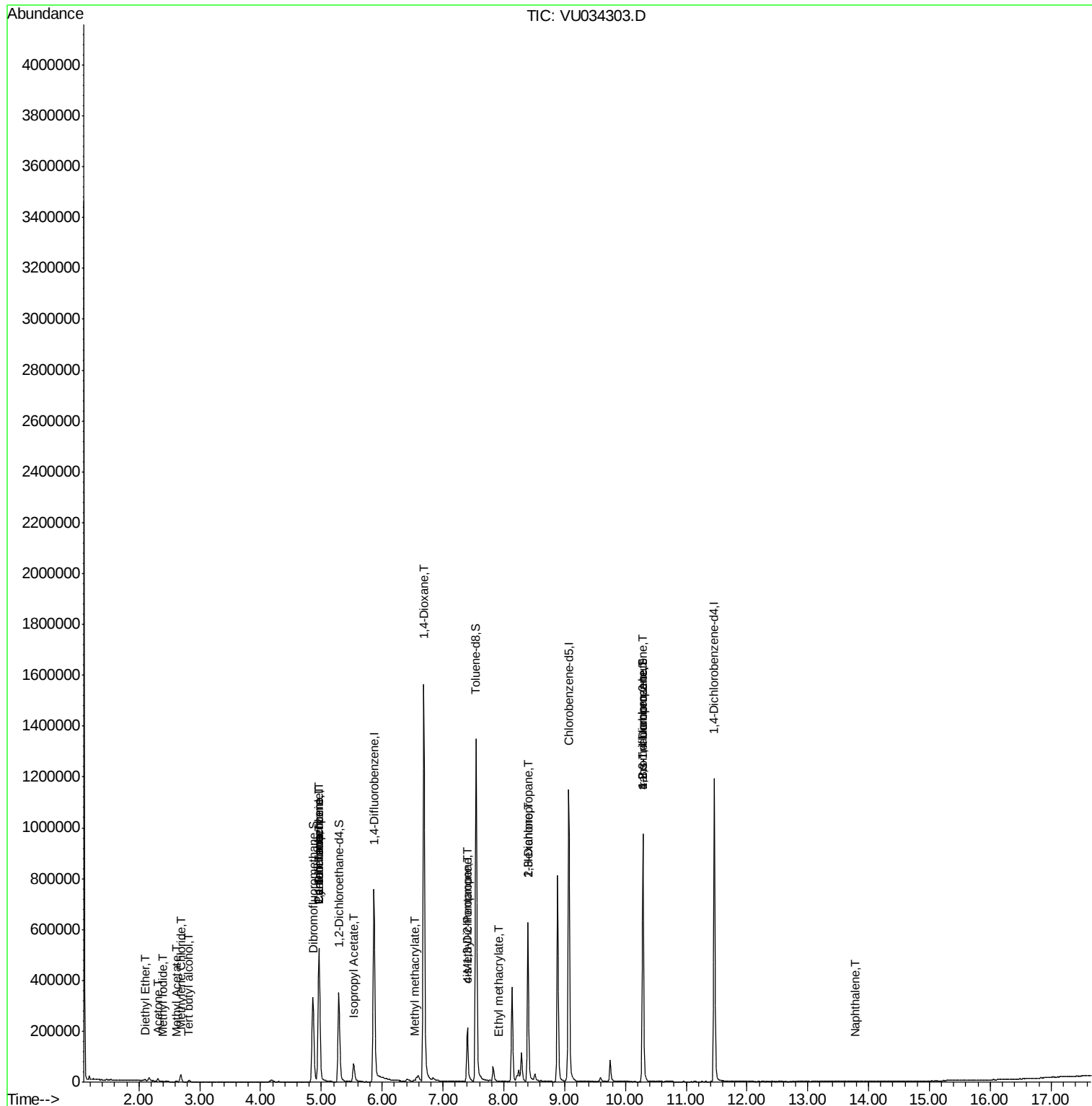
Target Compounds				Qvalue		
3) Chloromethane	1.33	50	411	Below Cal	#	43
5) Bromomethane	1.64	94	386	Below Cal	#	34
6) Chloroethane	1.67	64	96	Below Cal	#	43
8) Diethyl Ether	2.09	74	1729	0.523	ug/l	61
10) Methyl Iodide	2.40	142	68	3.860	ug/l #	43
11) Tert butyl alcohol	2.83	59	4277	3.112	ug/l #	73
16) Acetone	2.31	43	11748	3.490	ug/l	94
18) Methyl Acetate	2.61	43	3130	0.382	ug/l	94
20) Methylene Chloride	2.69	84	13225	2.015	ug/l	93
31) Cyclohexane	4.96	56	6757	0.887	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	29230	4.027	ug/l #	49
38) Carbon Tetrachloride	4.96	117	38486	4.966	ug/l #	16
43) Isopropyl Acetate	5.53	43	85796	6.408	ug/l	99
48) Methyl methacrylate	6.53	41	5476	0.861	ug/l #	13
49) 1,4-Dioxane	6.68	88	183	1.318	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	80862	8.725	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	40758	4.049	ug/l #	62
56) Ethyl methacrylate	7.93	69	264	3.101	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	6495	0.598	ug/l #	43
59) 2-Hexanone	8.40	43	84277	12.173	ug/l #	53
76) 1,2,3-Trichloropropane	10.29	75	158927	21.709	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	158927	73.006	ug/l #	100
95) Naphthalene	13.78	128	180	3.973	ug/l #	69

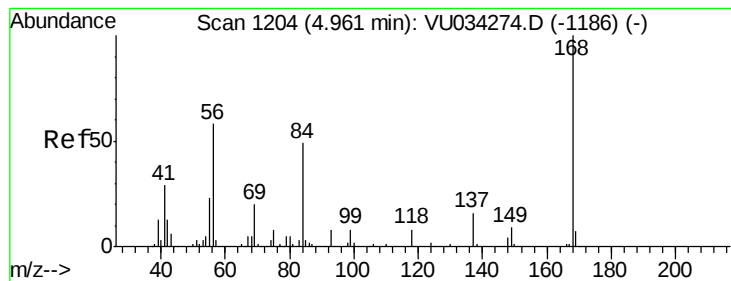
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

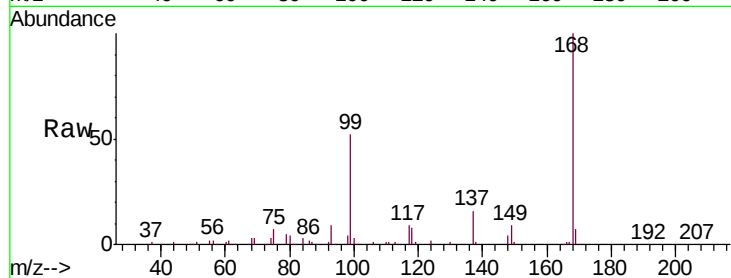
PAR-12-A3-(0)

Tgt Ion: 168 Resp: 429901

Ion Ratio Lower Upper

168 100

99 51.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

200000

150000

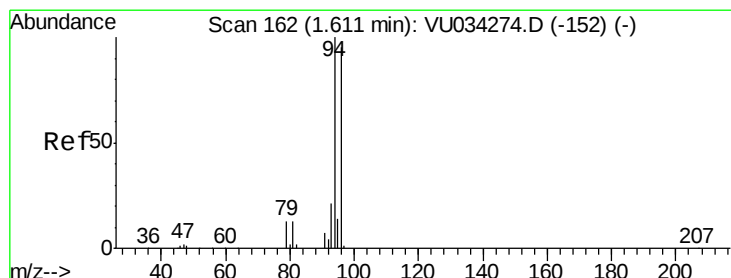
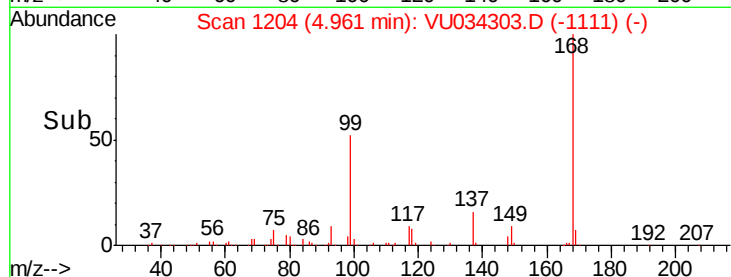
100000

50000

0

4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.03 min

Lab File: VU034303.D

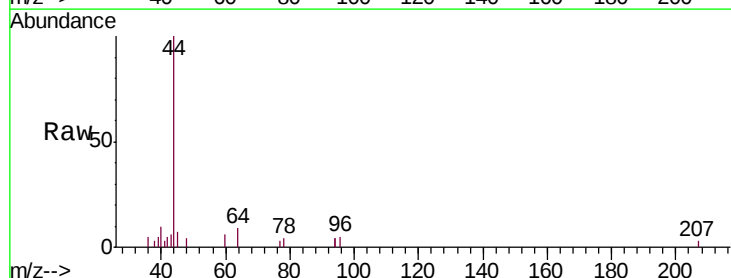
Acq: 05 Sep 2019 22:54

Tgt Ion: 94 Resp: 386

Ion Ratio Lower Upper

94 100

96 31.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.64

300

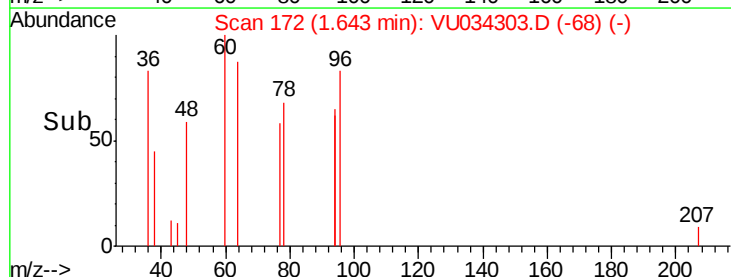
200

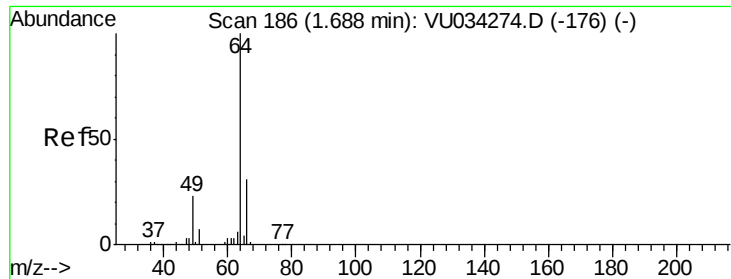
100

0

1.60 1.62 1.64 1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

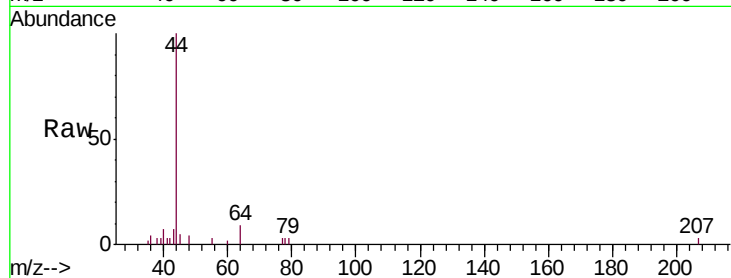
PAR-12-A3-(0)

Tgt Ion: 64 Resp: 96

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034303.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034303.D (-176) (-)

1.67

400

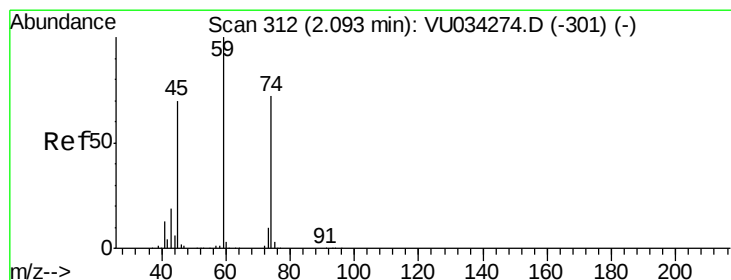
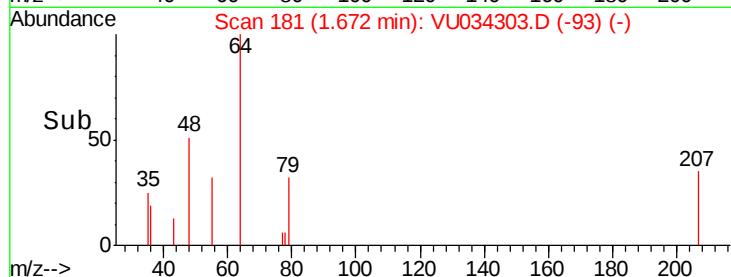
300

200

100

0

Time--> 1.66 1.67 1.68



#8

Diethyl Ether

Concen: 0.523 ug/l

RT: 2.09 min Scan# 312

Delta R.T. -0.00 min

Lab File: VU034303.D

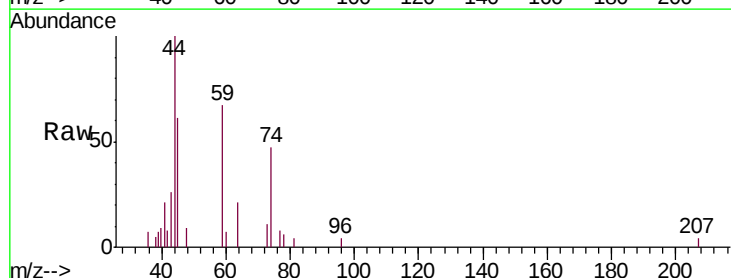
Acq: 05 Sep 2019 22:54

Tgt Ion: 74 Resp: 1729

Ion Ratio Lower Upper

74 100

45 135.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU034303.D (-301) (-)

Ion 45.00 (44.70 to 45.70): VU034303.D (-301) (-)

2.09

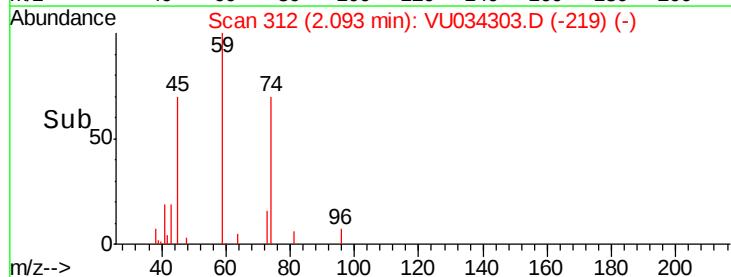
1500

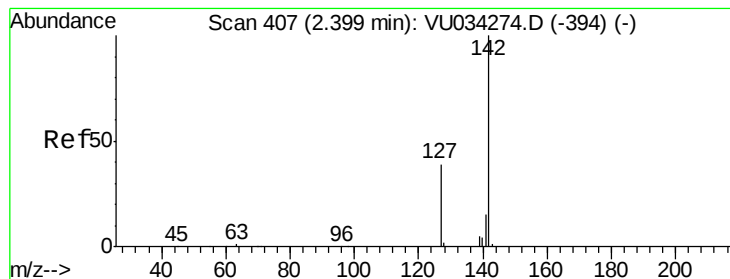
1000

500

0

Time--> 2.06 2.08 2.10 2.12 2.14





#10

Methyl Iodide

Concen: 3.860 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A3-(0)

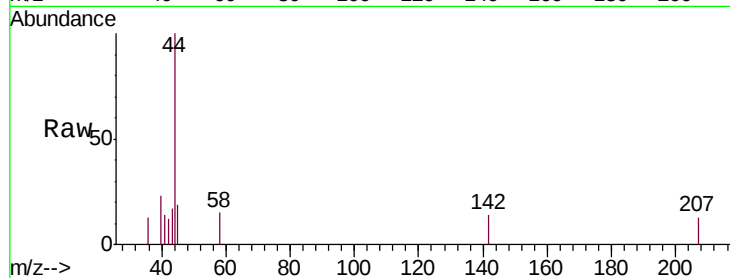
Tgt Ion: 142 Resp: 68

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

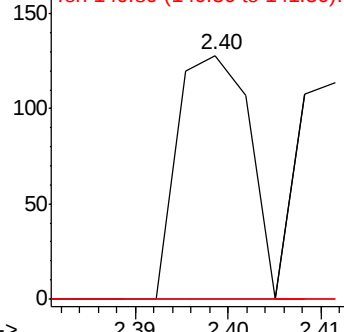
141 0.0 11.5 17.3#



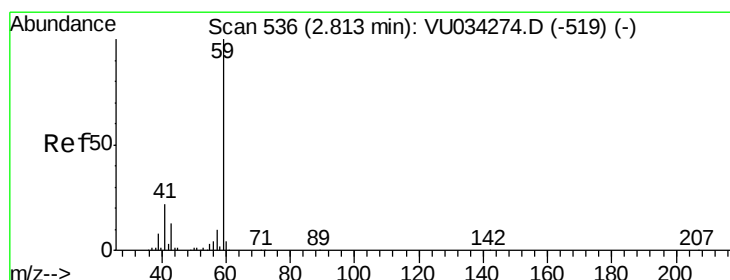
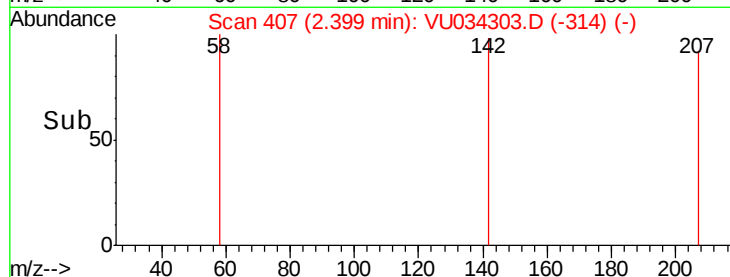
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 3.112 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034303.D

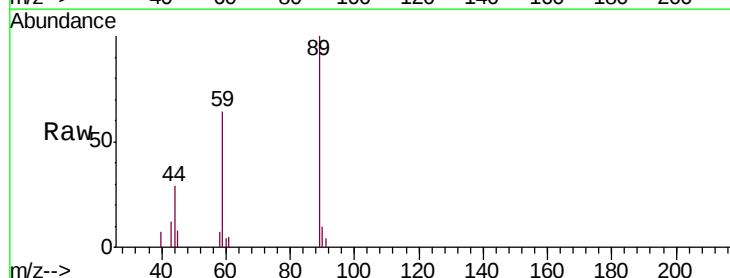
Acq: 05 Sep 2019 22:54

Tgt Ion: 59 Resp: 4277

Ion Ratio Lower Upper

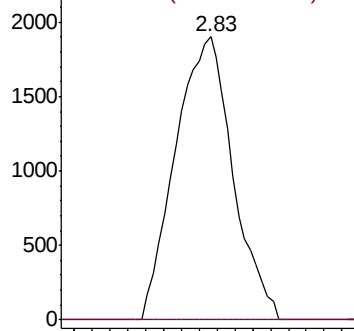
59 100

57 0.0 7.9 11.9#

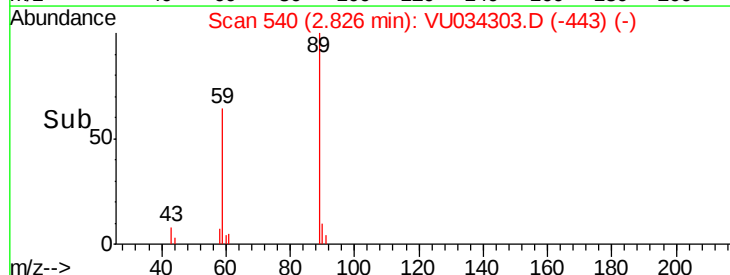


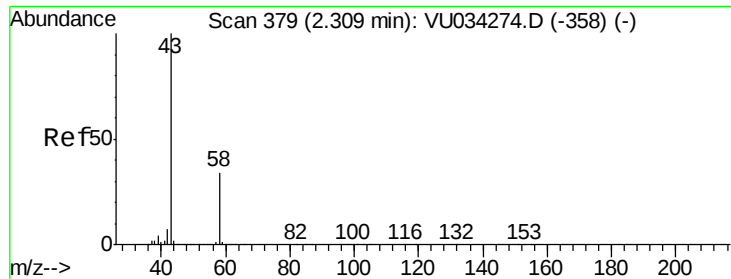
Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



Time-->





#16

Acetone

Concen: 3.490 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

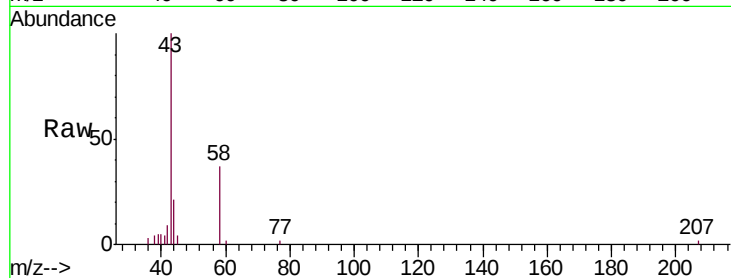
PAR-12-A3-(0)

Tgt Ion: 43 Resp: 11748

Ion Ratio Lower Upper

43 100

58 37.7 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034303.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034303.D (-380) (-)

2.31

8000

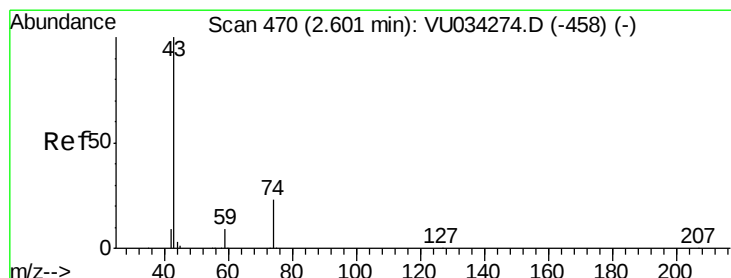
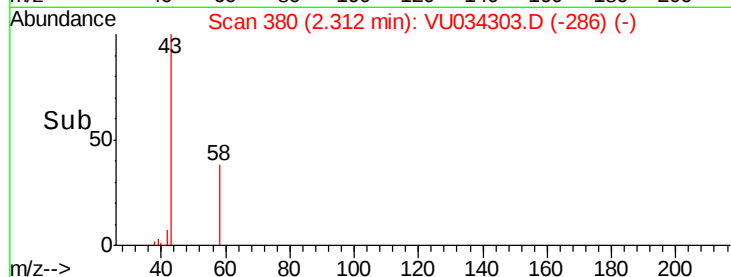
6000

4000

2000

0

Time-->



#18

Methyl Acetate

Concen: 0.382 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034303.D

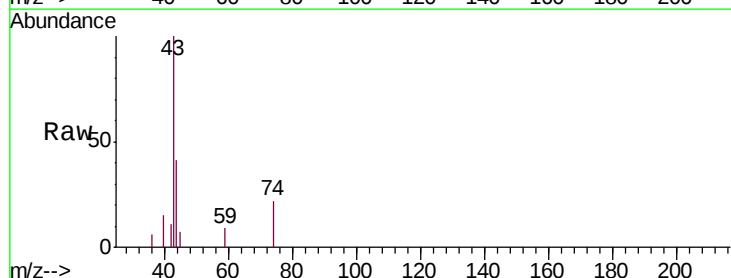
Acq: 05 Sep 2019 22:54

Tgt Ion: 43 Resp: 3130

Ion Ratio Lower Upper

43 100

74 20.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034303.D (-474) (-)

Ion 74.00 (73.70 to 74.70): VU034303.D (-474) (-)

2.61

2000

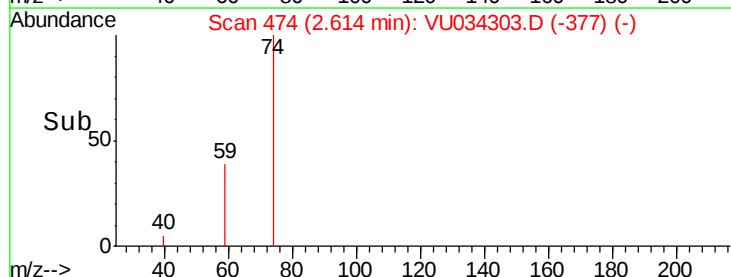
1500

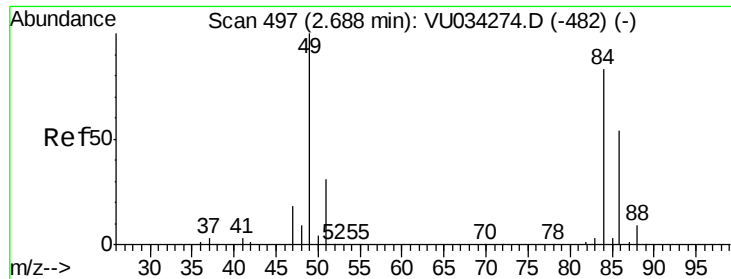
1000

500

0

Time-->

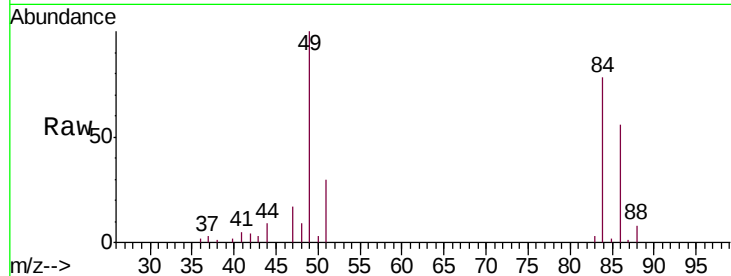




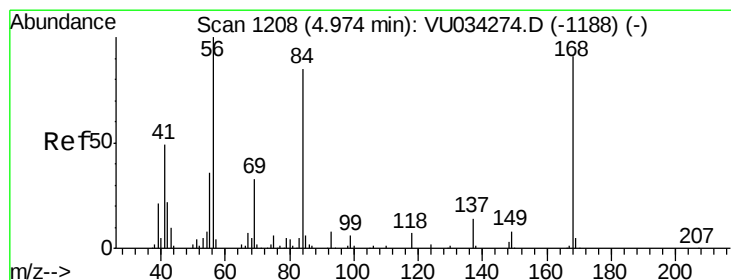
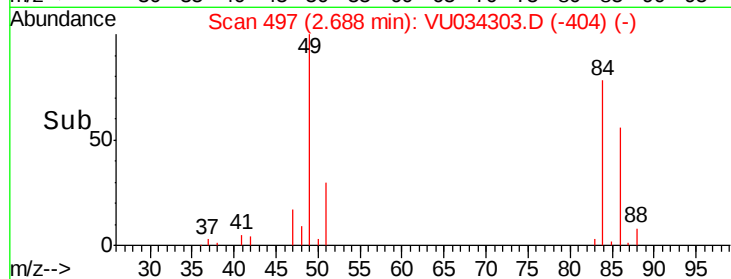
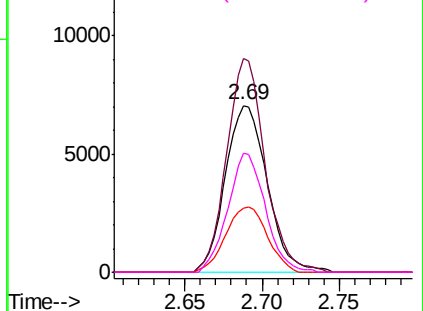
#20
Methylene Chloride
Concen: 2.015 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034303.D
Acq: 05 Sep 2019 22:54

Instrument :
MSVOA_U
ClientSampleId :
PAR-12-A3-(0)

Tgt Ion:	84	Resp:	13225
Ion	Ratio	Lower	Upper
84	100		
49	127.8	96.0	144.0
51	38.2	30.0	45.0
86	71.5	51.4	77.0

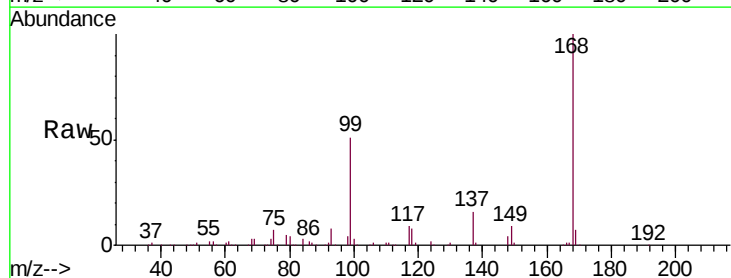


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

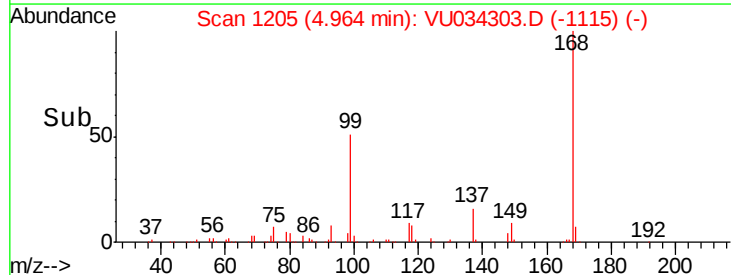
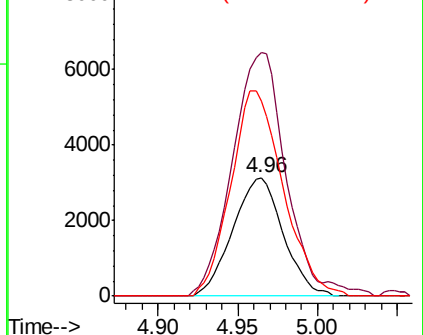


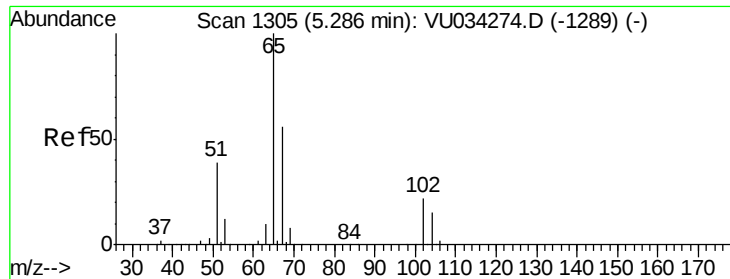
#31
Cyclohexane
Concen: 0.887 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034303.D
Acq: 05 Sep 2019 22:54

Tgt Ion:	56	Resp:	6757
Ion	Ratio	Lower	Upper
56	100		
69	205.6	26.7	40.1#
84	165.1	68.2	102.4#



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

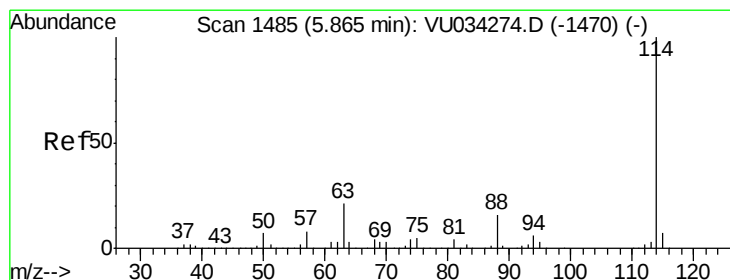
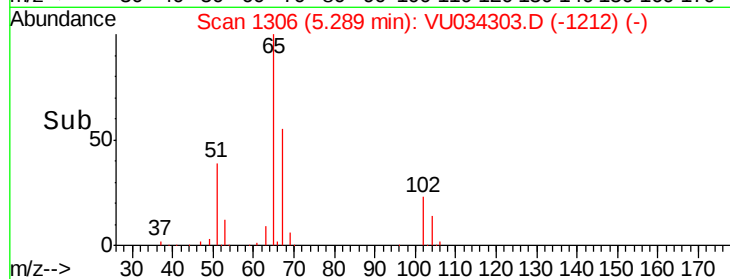
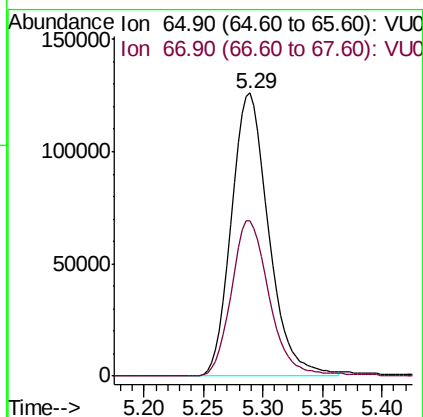
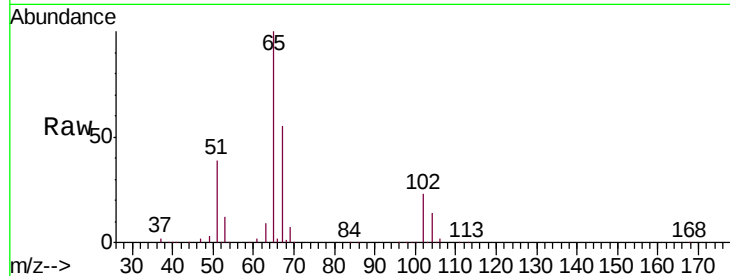




#33
 1,2-Dichloroethane-d4
 Concen: 42.101 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034303.D
 Acq: 05 Sep 2019 22:54

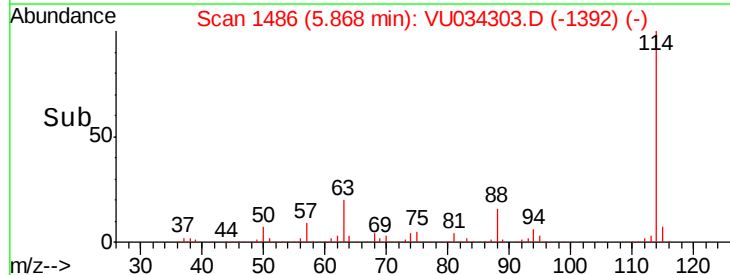
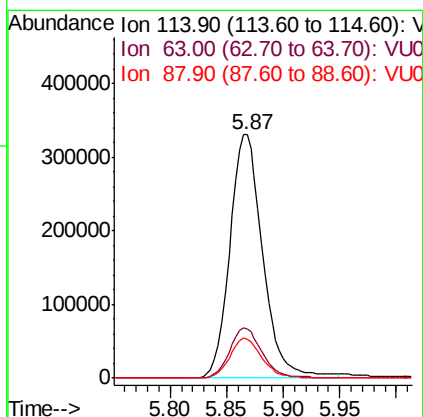
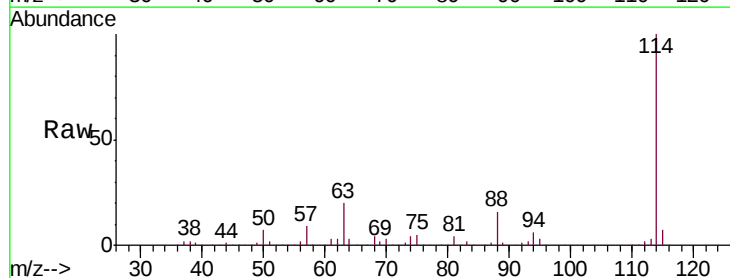
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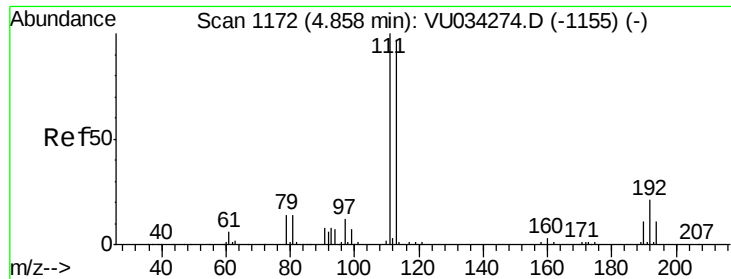
Tgt Ion: 65 Resp: 273849
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034303.D
 Acq: 05 Sep 2019 22:54

Tgt Ion: 114 Resp: 669323
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 16.1 0.0 32.4

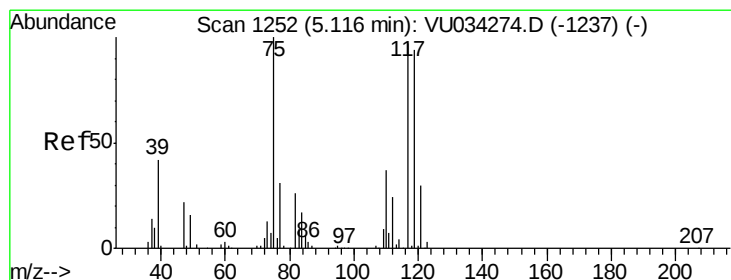
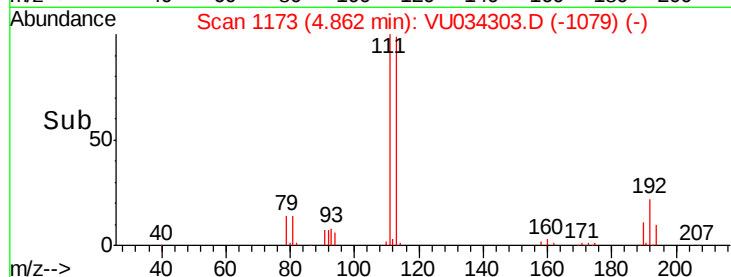
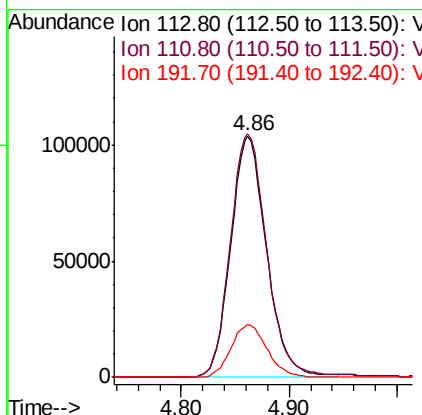
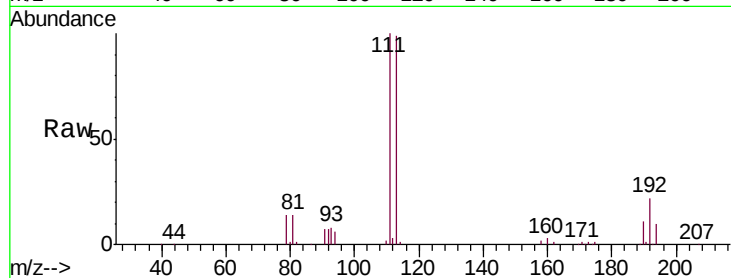




#35
 Dibromofluoromethane
 Concen: 38.615 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034303.D
 Acq: 05 Sep 2019 22:54

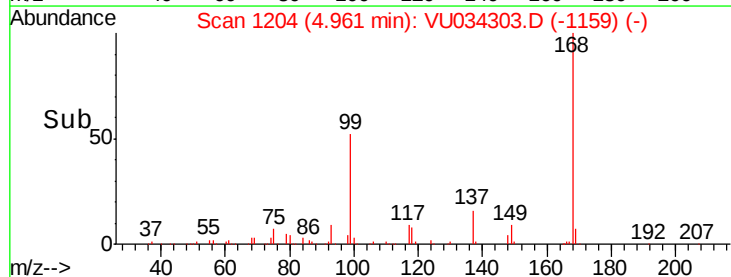
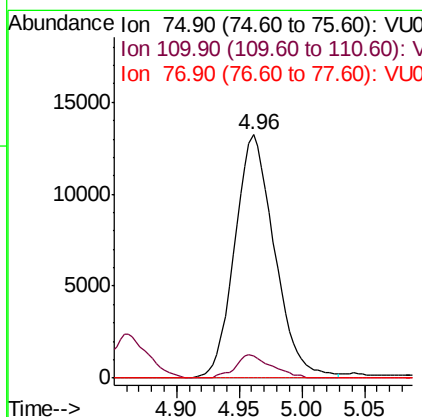
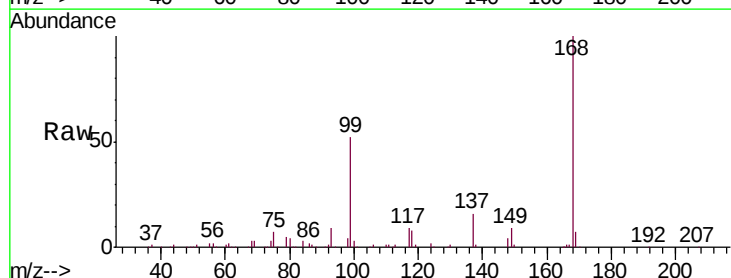
Instrument :
 MSVOA_U
 ClientSampleId :
 PAR-12-A3-(0)

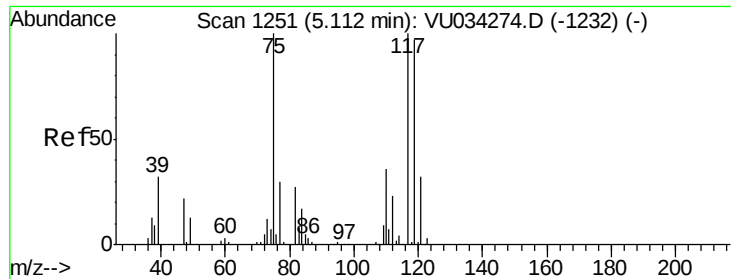
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.5	122.3
192	22.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.027 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034303.D
 Acq: 05 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	24.9	37.3#

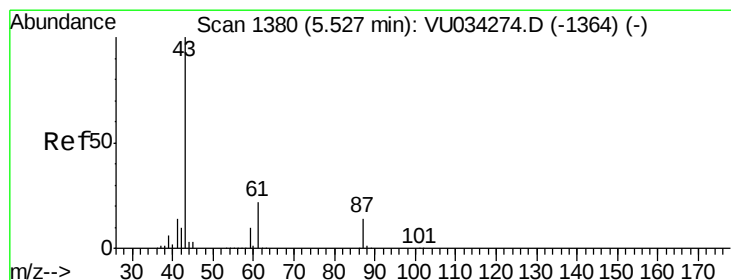
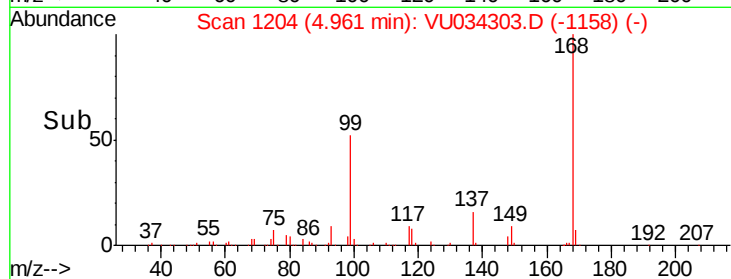
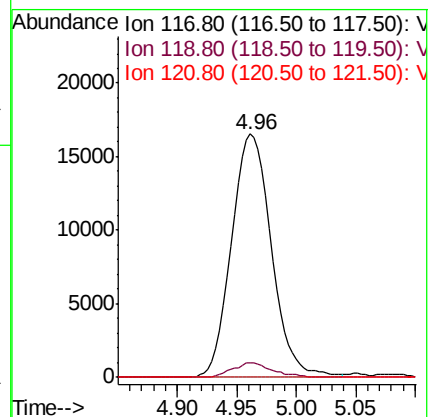
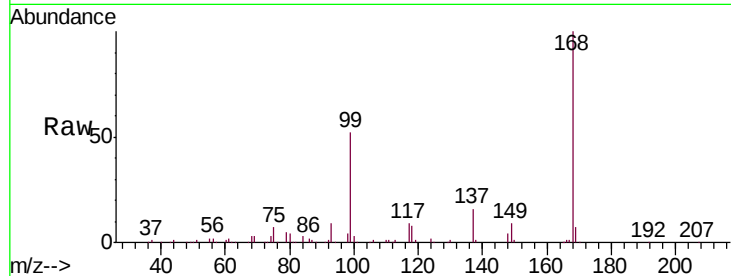




#38
Carbon Tetrachloride
Concen: 4.966 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034303.D
Acq: 05 Sep 2019 22:54

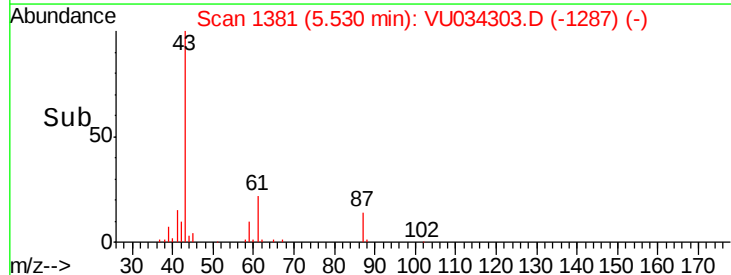
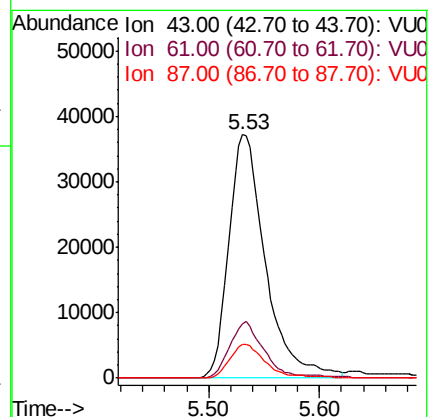
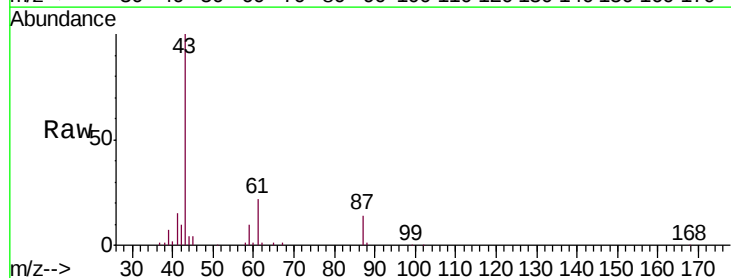
Instrument :
MSVOA_U
ClientSampleId :
PAR-12-A3-(0)

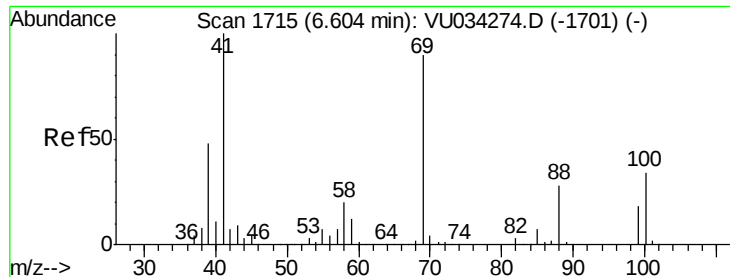
Tgt Ion: 117 Resp: 38486
Ion Ratio Lower Upper
117 100
119 6.1 77.8 116.6#
121 0.0 25.2 37.8#



#43
Isopropyl Acetate
Concen: 6.408 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034303.D
Acq: 05 Sep 2019 22:54

Tgt Ion: 43 Resp: 85796
Ion Ratio Lower Upper
43 100
61 21.7 17.1 25.7
87 13.7 11.1 16.7





#48

Methyl methacrylate

Concen: 0.861 ug/l

RT: 6.53 min Scan# 1693

Delta R.T. -0.07 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

PAR-12-A3-(0)

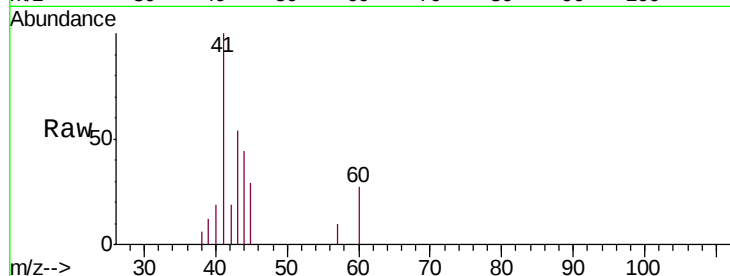
Tgt Ion: 41 Resp: 5476

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

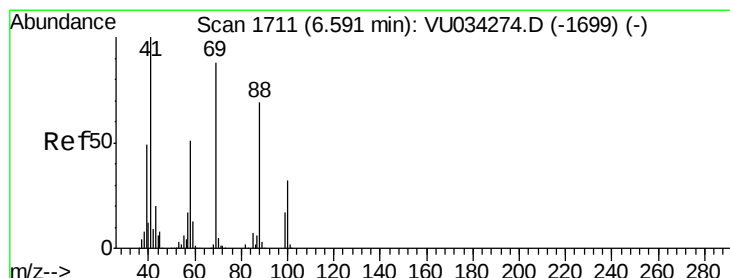
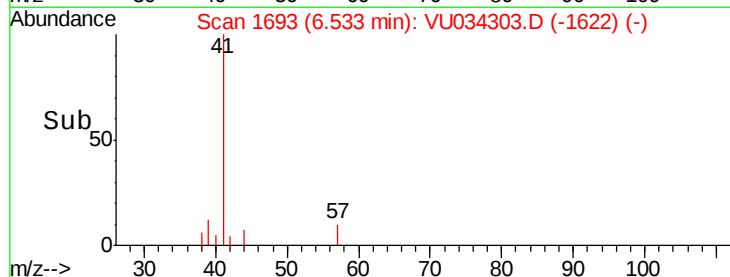
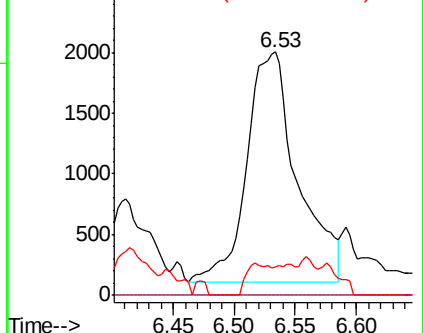
39 0.0 38.6 58.0#



Abundance Ion 41.00 (40.70 to 41.70): VU034303.D (-1693) (-)

Ion 69.00 (68.70 to 69.70): VU034303.D (-1693) (-)

Ion 39.00 (38.70 to 39.70): VU034303.D (-1693) (-)



#49

1,4-Dioxane

Concen: 1.318 ug/l

RT: 6.68 min Scan# 1738

Delta R.T. 0.09 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

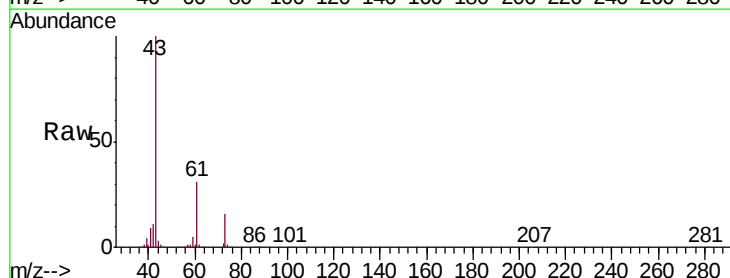
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 832315.3 23.8 35.6#

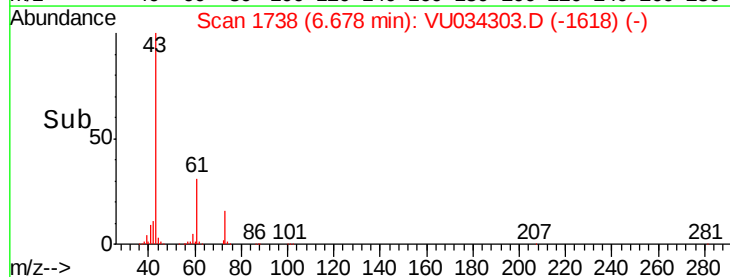
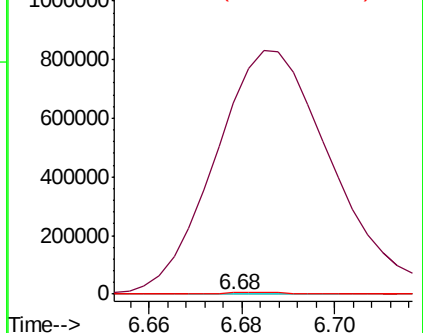
58 4259.0 58.4 87.6#

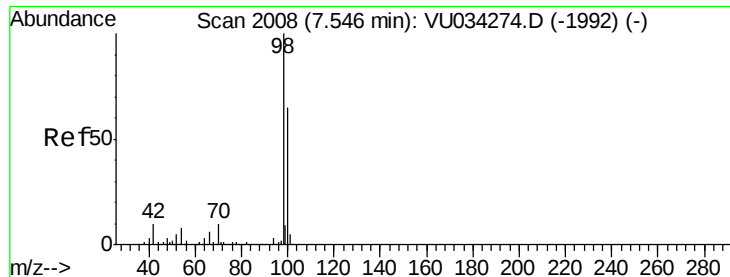


Abundance Ion 88.00 (87.70 to 88.70): VU034303.D (-1738) (-)

Ion 43.00 (42.70 to 43.70): VU034303.D (-1738) (-)

Ion 58.00 (57.70 to 58.70): VU034303.D (-1738) (-)





#50

Toluene-d8

Concen: 40.961 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

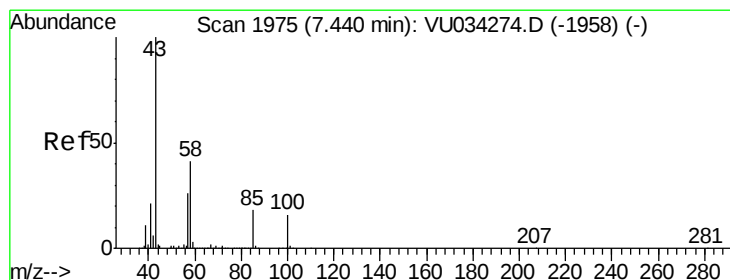
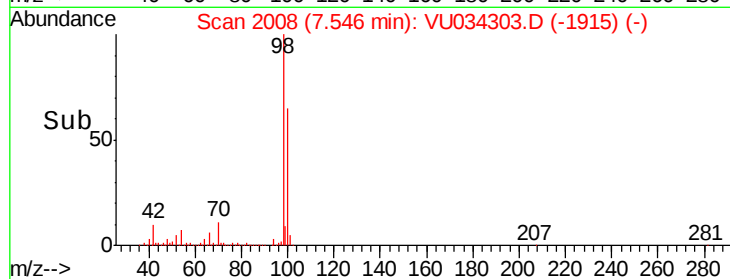
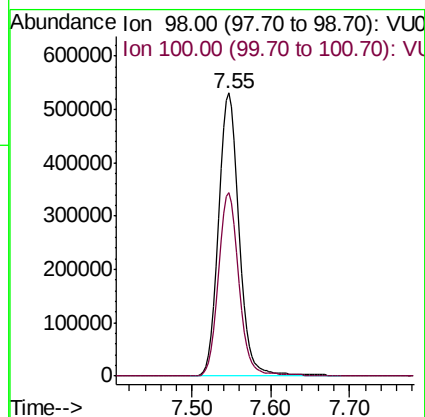
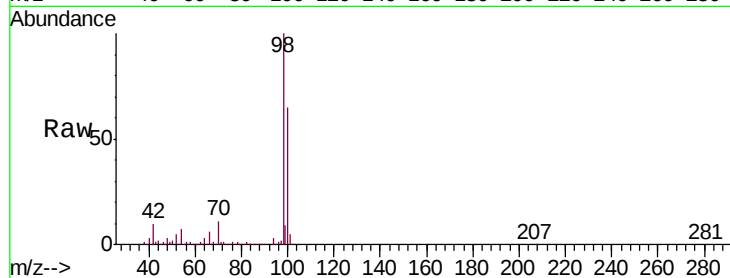
PAR-12-A3-(0)

Tgt Ion: 98 Resp: 958450

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 8.725 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034303.D

Acq: 05 Sep 2019 22:54

Tgt Ion: 43 Resp: 80862

Ion Ratio Lower Upper

43 100

58 6.6 33.0 49.4#

