

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034103.D
 Acq On : 30 Aug 2019 17:03
 Operator : JC/SP
 Sample : K4620-16ME
 Misc : 6.28g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 17:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	515253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	807708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	788471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	415775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	294947	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	4.86	113	249614	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
50) Toluene-d8	7.55	98	1003111	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.29	95	400677	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3247	Below Cal	94
5) Bromomethane	1.59	94	2077	Below Cal	94
9) 1,1,2-Trichlorotrifluoroet	2.24	101	3343	0.660 ug/l	98
10) Methyl Iodide	2.38	142	2770	0.386 ug/l	99
11) Tert butyl alcohol	2.82	59	1022	0.671 ug/l #	73
12) 1,1-Dichloroethene	2.24	96	3719	0.721 ug/l	84
13) Acrolein	2.18	56	264	0.412 ug/l #	30
16) Acetone	2.33	43	3190	0.947 ug/l	97
18) Methyl Acetate	2.61	43	9839	1.130 ug/l	99
20) Methylene Chloride	2.67	84	1428	0.224 ug/l #	87
21) trans-1,2-Dichloroethene	2.95	96	6503	1.162 ug/l	92
24) 1,1-Dichloroethane	3.41	63	5616	0.535 ug/l	95
25) 2-Butanone	4.30	43	1512	0.323 ug/l #	78
27) cis-1,2-Dichloroethene	4.19	96	1053847	167.718 ug/l	89
29) Tetrahydrofuran	4.65	42	779	0.270 ug/l #	40
31) Cyclohexane	4.95	56	9023	0.915 ug/l #	1
36) 1,1-Dichloropropene	4.95	75	36833	4.821 ug/l #	48
38) Carbon Tetrachloride	4.95	117	47972	6.505 ug/l #	15
44) Trichloroethene	6.16	130	215895	35.568 ug/l	97
49) 1,4-Dioxane	6.62	88	63	0.400 ug/l #	1
51) 4-Methyl-2-Pentanone	7.47	43	3773	0.420 ug/l	87
56) Ethyl methacrylate	8.01	69	45	0.976 ug/l #	52
59) 2-Hexanone	8.39	43	2219	0.327 ug/l	85
60) Dibromochloromethane	8.21	129	6800	1.052 ug/l #	10
64) Tetrachloroethene	8.21	164	7216	1.363 ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.47	83	4081	0.382 ug/l #	25
76) 1,2,3-Trichloropropane	10.29	75	190674	20.348 ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	190674	68.515 ug/l #	100
88) 1,4-Dichlorobenzene	11.49	146	2717	0.202 ug/l #	25
89) n-Butylbenzene	11.88	91	7043	0.316 ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	1970	1.326 ug/l #	23
94) Hexachlorobutadiene	13.68	225	5083	1.020 ug/l	95
95) Naphthalene	13.74	128	15434	2.363 ug/l #	94
96) 1,2,3-Trichlorobenzene	13.98	180	2414	0.296 ug/l #	1

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QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

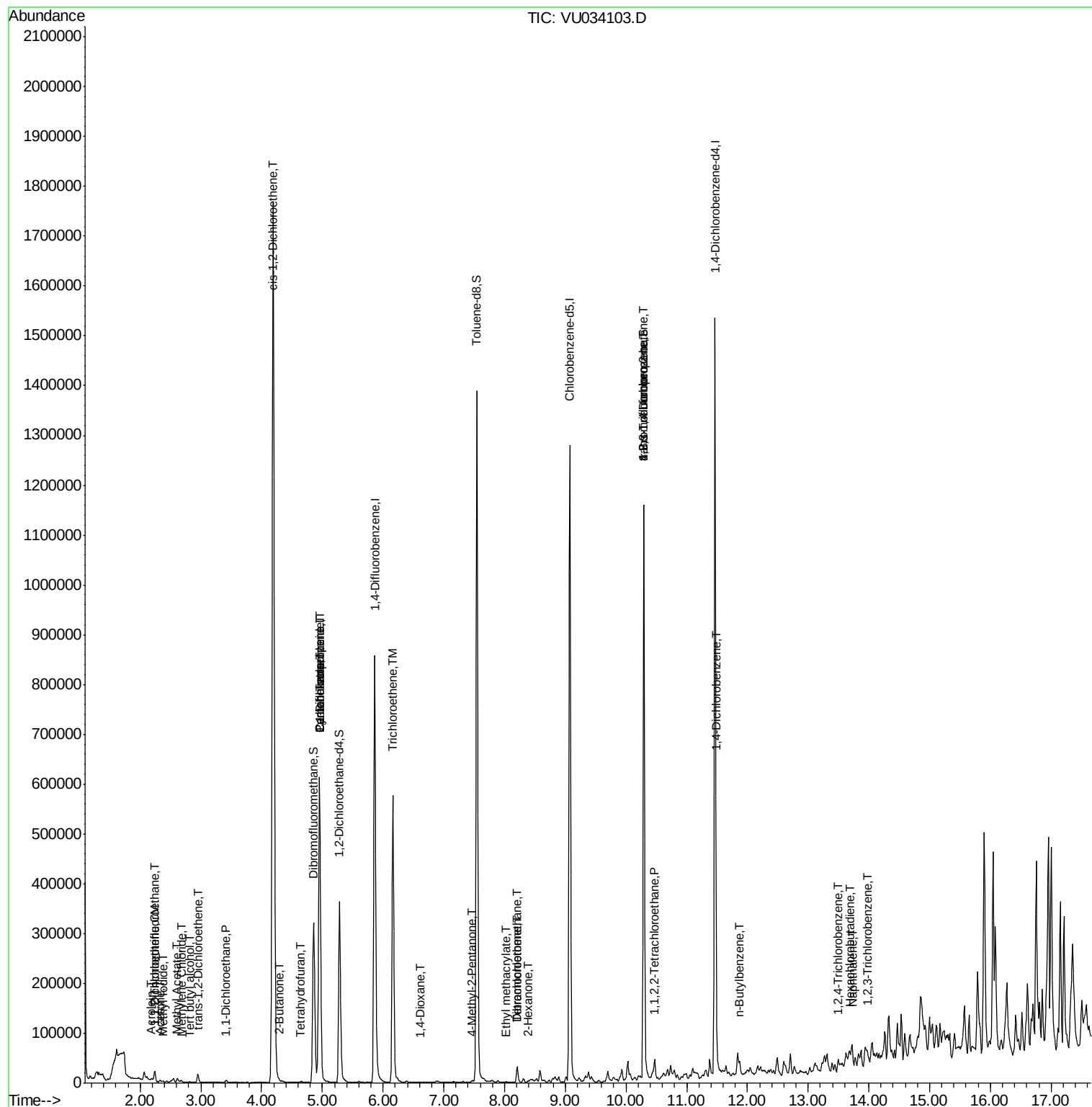
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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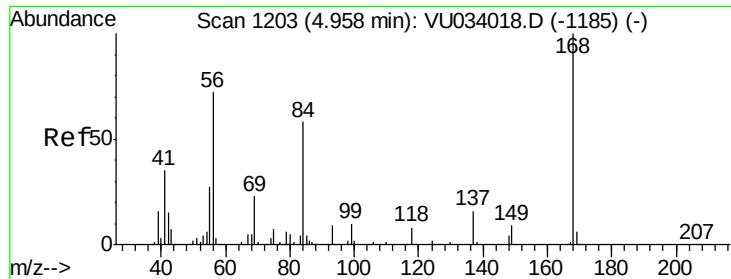
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_U
ClientSampled :

Quant Time: Aug 30 17:22:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

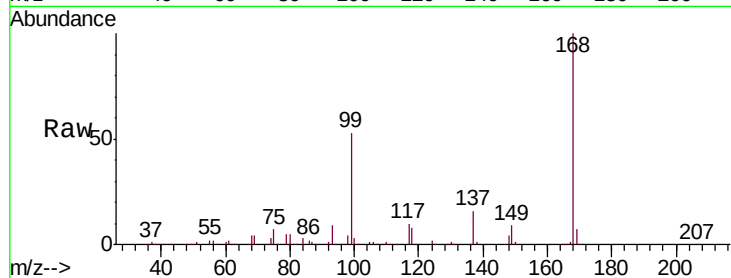
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 515253

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.95

250000

200000

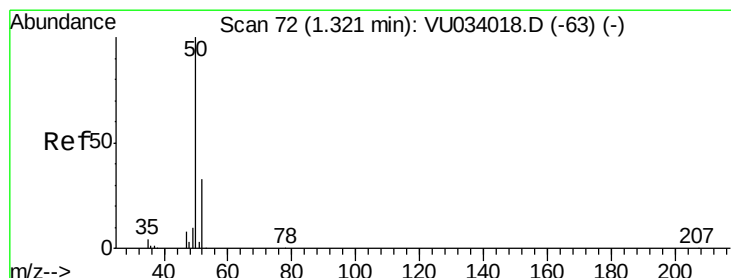
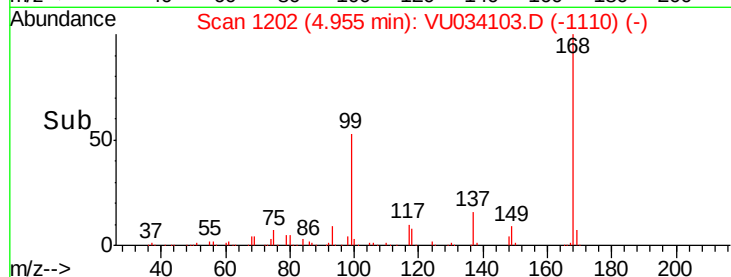
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034103.D

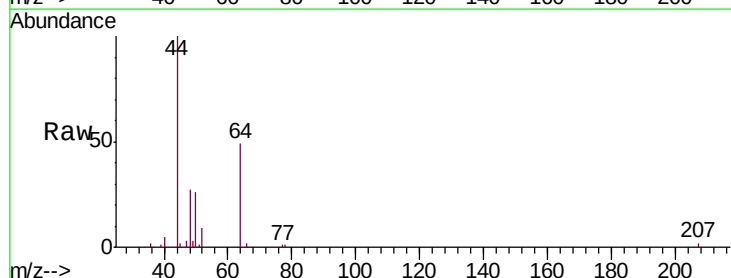
Acq: 30 Aug 2019 17:03

Tgt Ion: 50 Resp: 3247

Ion Ratio Lower Upper

50 100

52 36.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

2500

2000

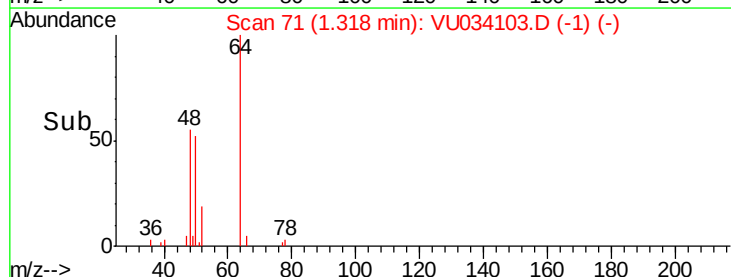
1500

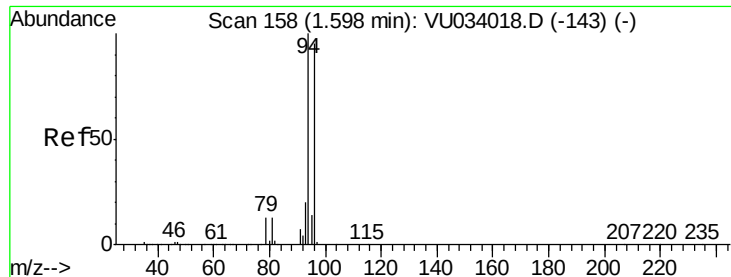
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

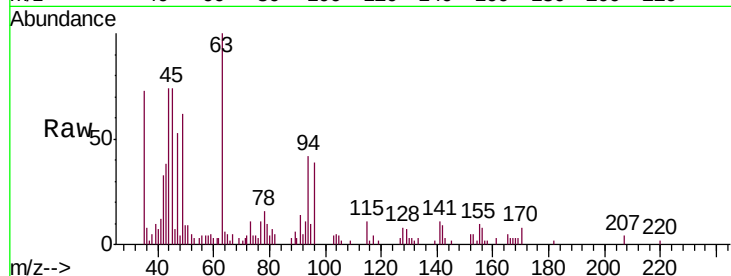
ClientSampleId :

Tot Ion: 94 Resp: 2077

Ion Ratio Lower Upper

94 100

96 101.3 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034103.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034103.D (-143) (-)

1.59

2000

1500

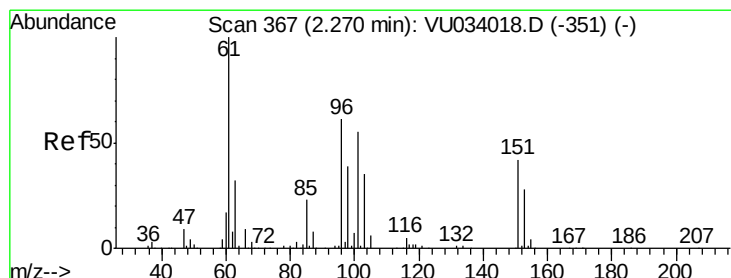
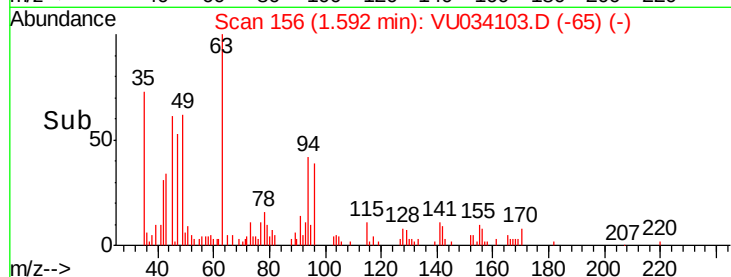
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.660 ug/l

RT: 2.24 min Scan# 357

Delta R.T. -0.03 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

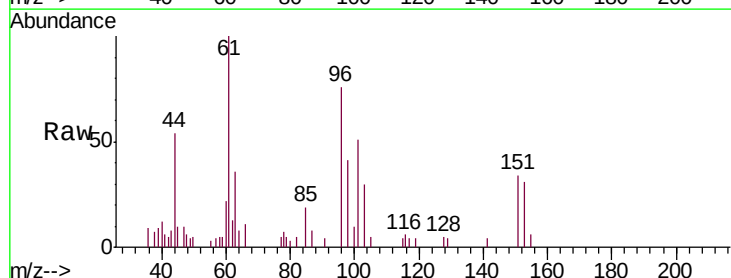
Tgt Ion:101 Resp: 3343

Ion Ratio Lower Upper

101 100

85 40.2 34.2 51.2

151 76.6 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): VU034103.D (-274) (-)

Ion 84.90 (84.60 to 85.60): VU034103.D (-274) (-)

Ion 150.80 (150.50 to 151.50): VU034103.D (-274) (-)

2.24

2000

1500

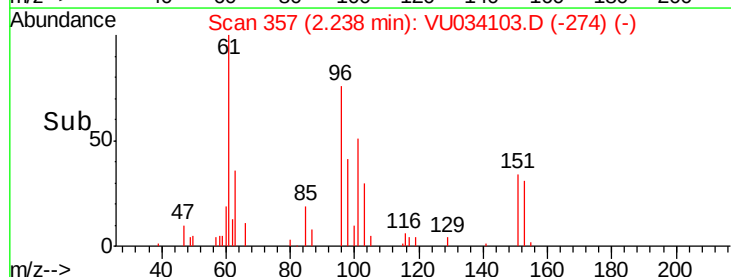
1000

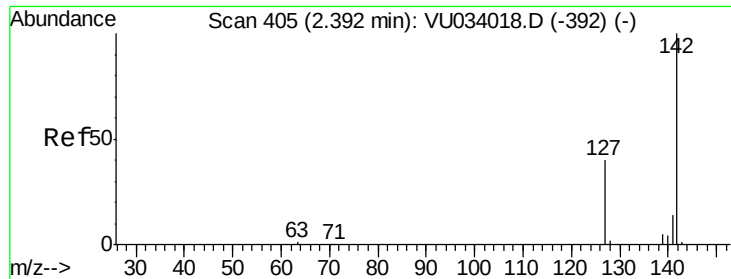
500

0

2.20 2.25 2.30

Time-->

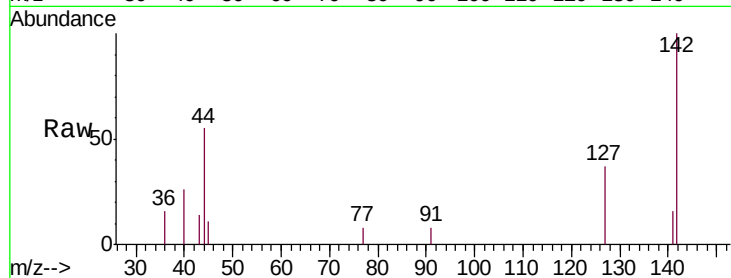




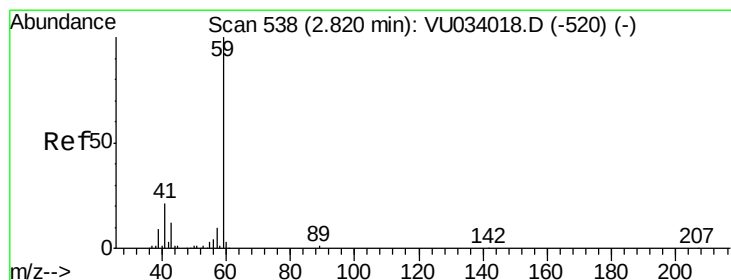
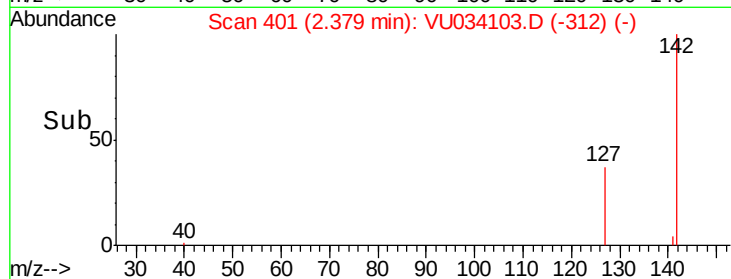
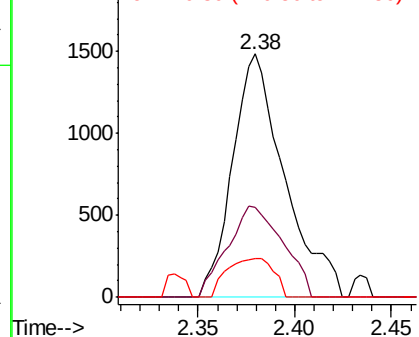
#10
Methvl Iodide
Concen: 0.386 ug/l
RT: 2.38 min Scan# 401
Delta R.T. -0.01 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 2770
Ion Ratio Lower Upper
142 100
127 39.9 32.6 48.8
141 14.5 11.3 16.9

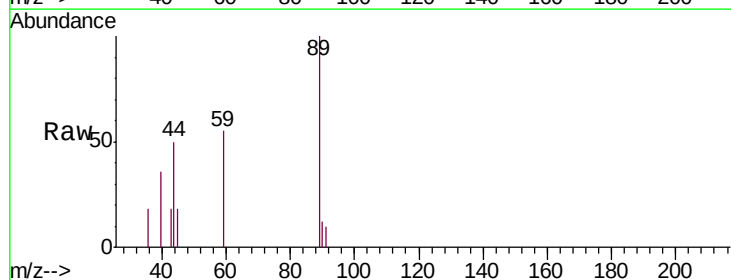


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

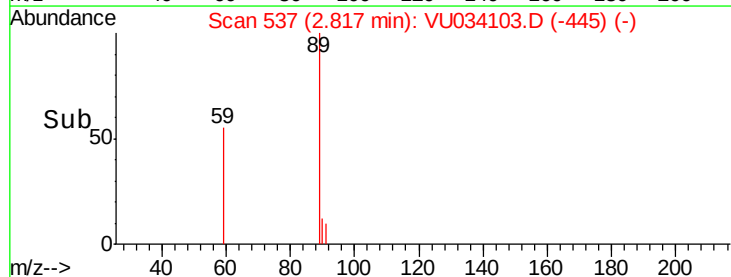
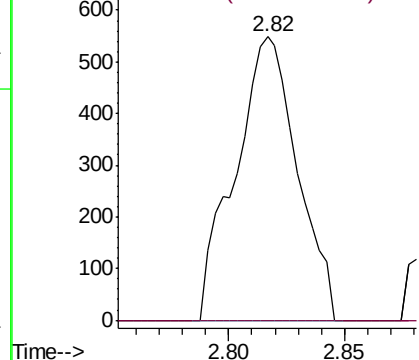


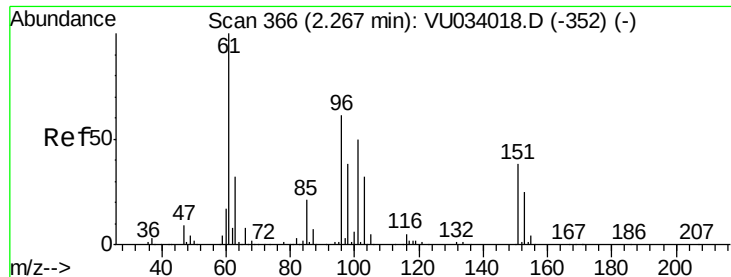
#11
Tert butyl alcohol
Concen: 0.671 ug/l
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Tgt Ion: 59 Resp: 1022
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

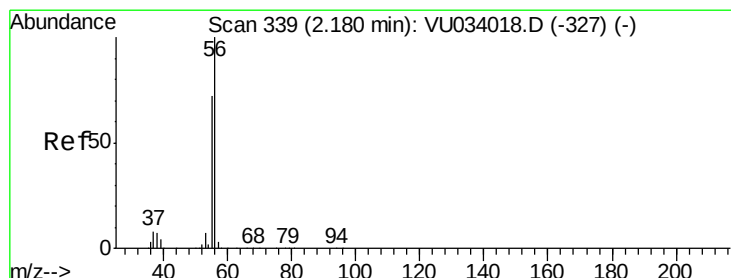
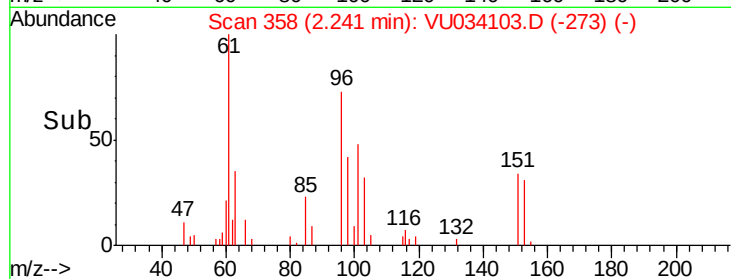
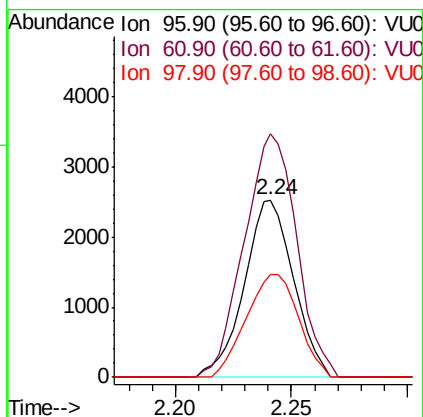
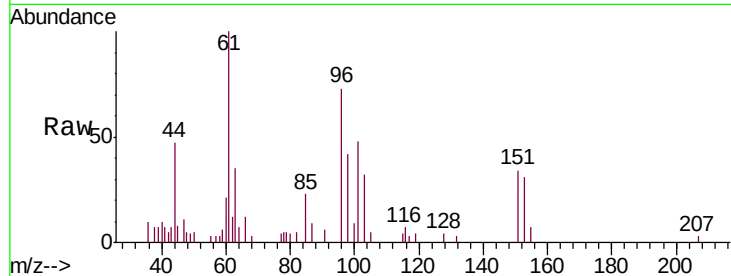




#12
 1,1-Dichloroethene
 Concen: 0.721 ug/l
 RT: 2.24 min Scan# 358
 Delta R.T. -0.03 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

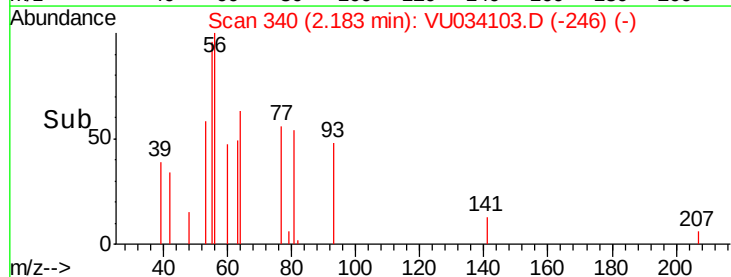
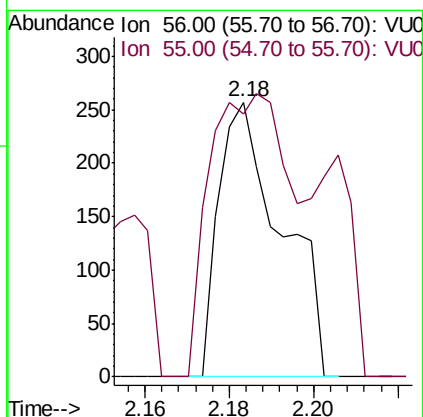
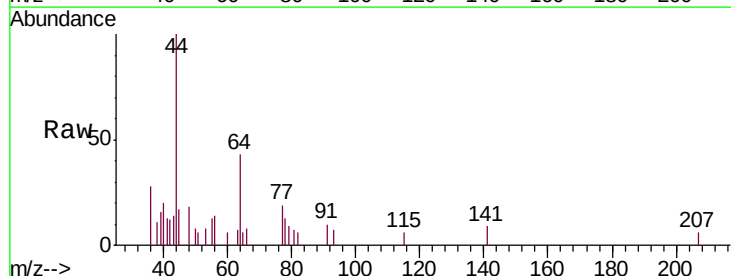
Instrument :
 MSVOA_U
 ClientSampleId :

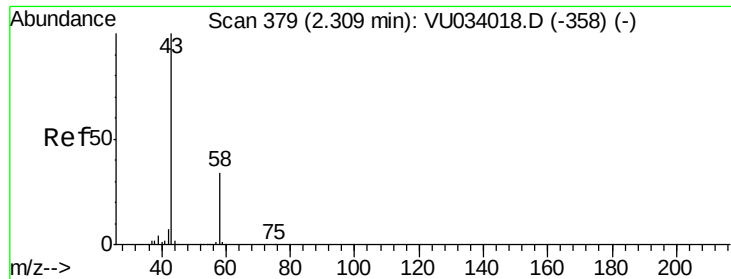
Tot Ion: 96 Resp: 3719
 Ion Ratio Lower Upper
 96 100
 61 137.3 131.3 196.9
 98 58.1 50.3 75.5



#13
 Acrolein
 Concen: 0.412 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion: 56 Resp: 264
 Ion Ratio Lower Upper
 56 100
 55 129.5 57.1 85.7#





#16

Acetone

Concen: 0.947 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

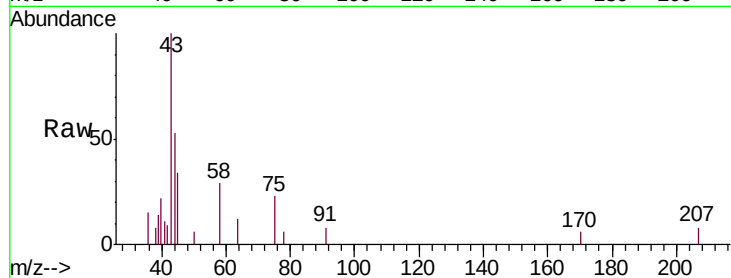
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3190

Ion Ratio Lower Upper

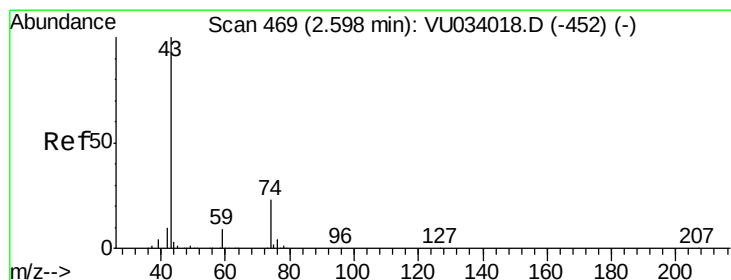
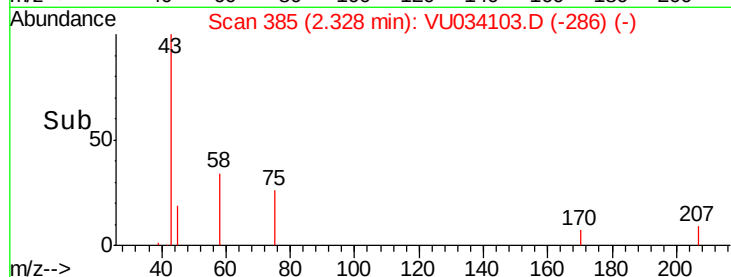
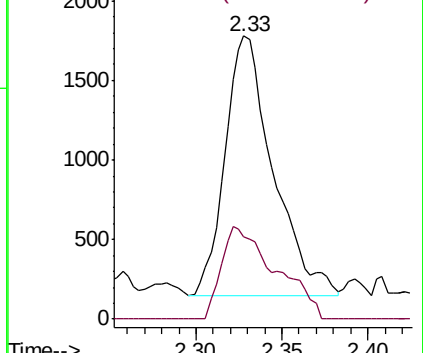
43 100

58 31.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034103.D (-385) (-)

Ion 58.00 (57.70 to 58.70): VU034103.D (-385) (-)



#18

Methyl Acetate

Concen: 1.130 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034103.D

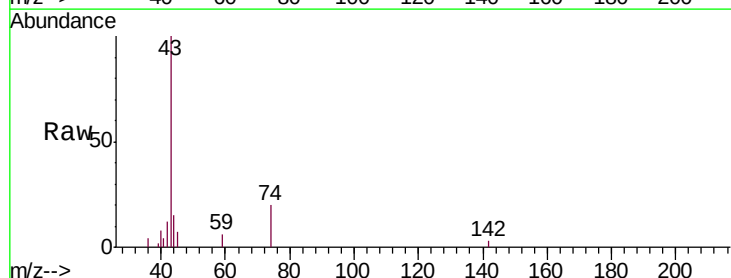
Acq: 30 Aug 2019 17:03

Tgt Ion: 43 Resp: 9839

Ion Ratio Lower Upper

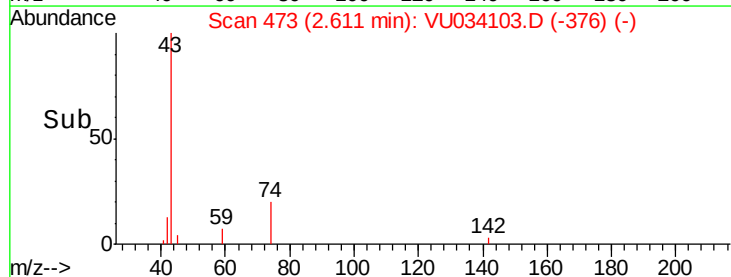
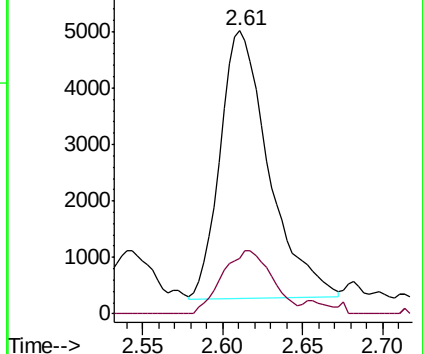
43 100

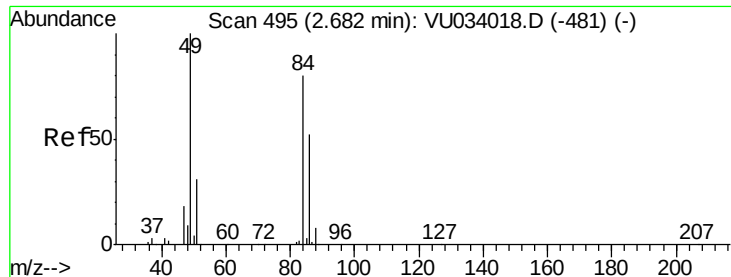
74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034103.D (-473) (-)

Ion 74.00 (73.70 to 74.70): VU034103.D (-473) (-)

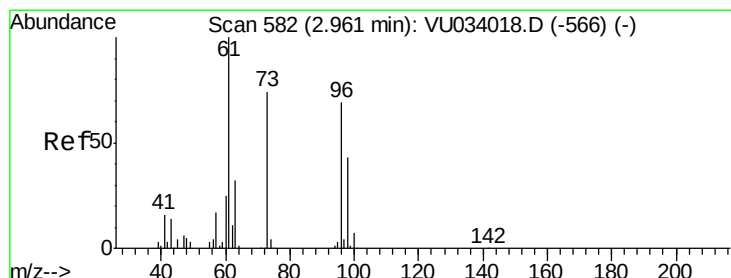
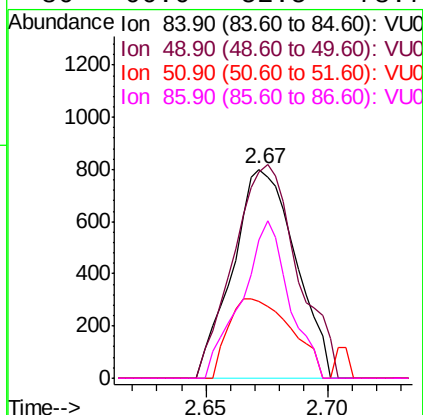
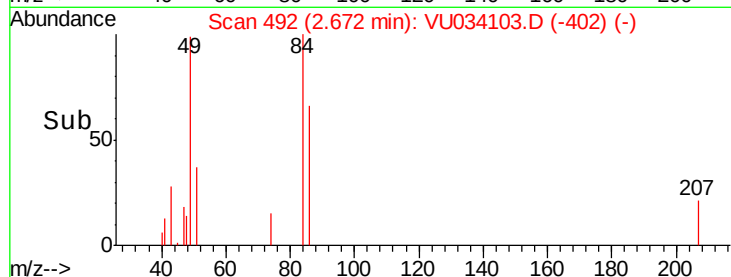
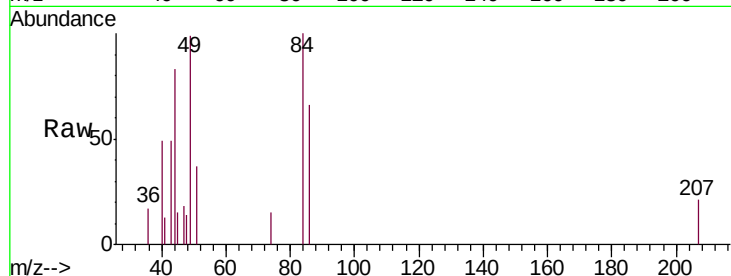




#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.67 min Scan# 492
Delta R.T. -0.01 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

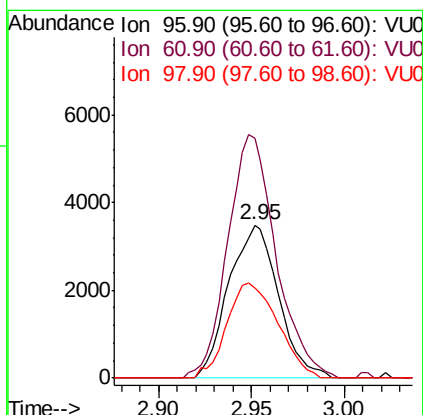
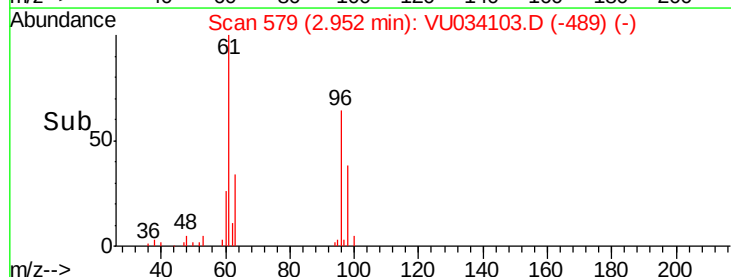
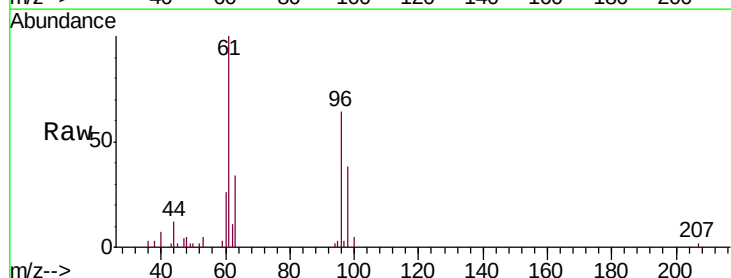
Instrument :
MSVOA_U
ClientSampleId :

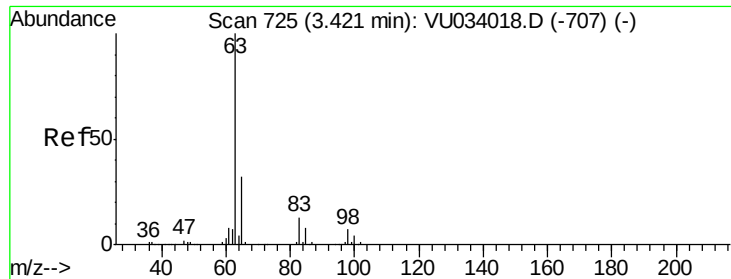
Tot Ion: 84 Resp: 1428
Ion Ratio Lower Upper
84 100
49 98.5 100.2 150.4#
51 36.7 30.8 46.2
86 66.0 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 1.162 ug/l
RT: 2.95 min Scan# 579
Delta R.T. -0.01 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Tgt Ion: 96 Resp: 6503
Ion Ratio Lower Upper
96 100
61 156.8 115.5 173.3
98 59.1 50.1 75.1

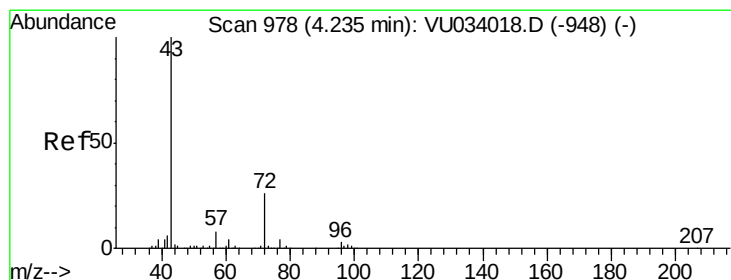
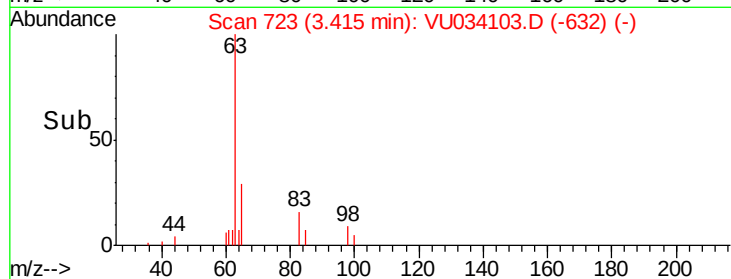
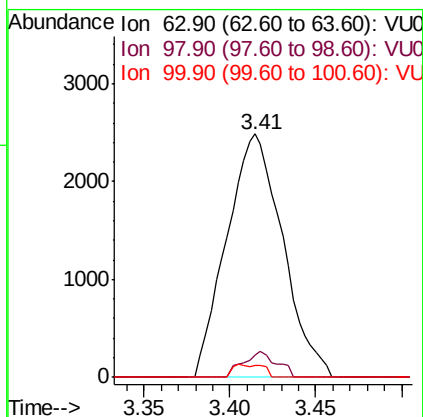
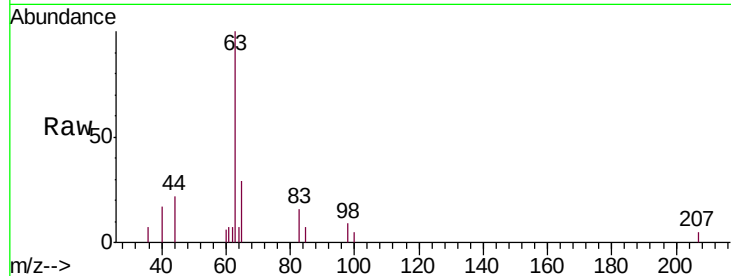




#24
 1,1-Dichloroethane
 Concen: 0.535 ug/l
 RT: 3.41 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

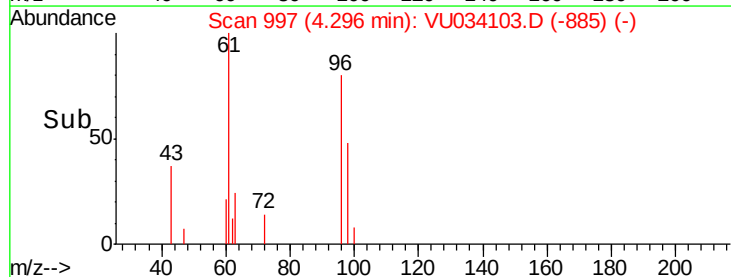
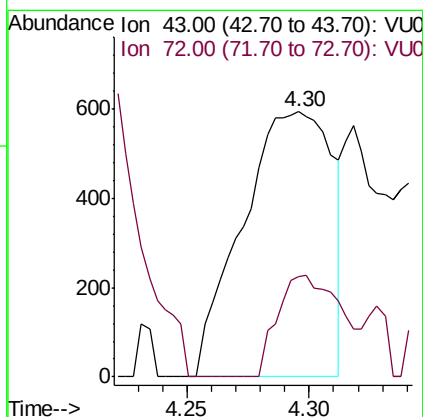
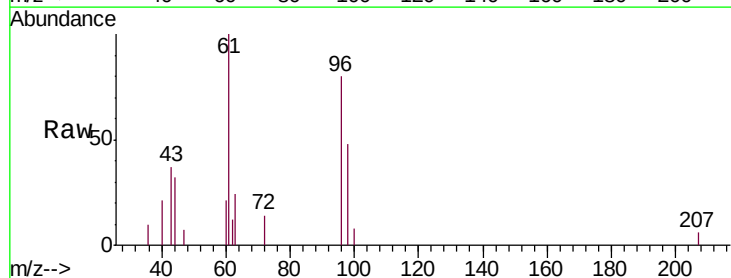
Instrument :
 MSVOA_U
 ClientSampleId :

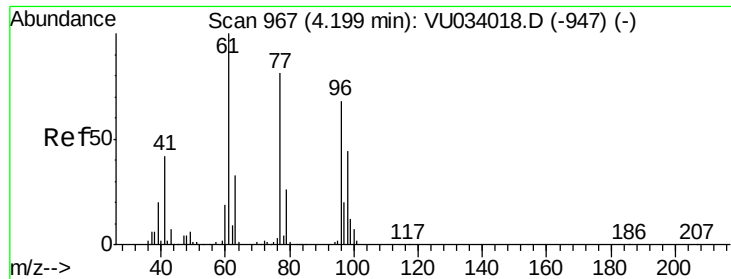
Tot Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.3	9.8
100	4.9	2.0	6.0



#25
 2-Butanone
 Concen: 0.323 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.06 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	38.0	21.2	31.8#





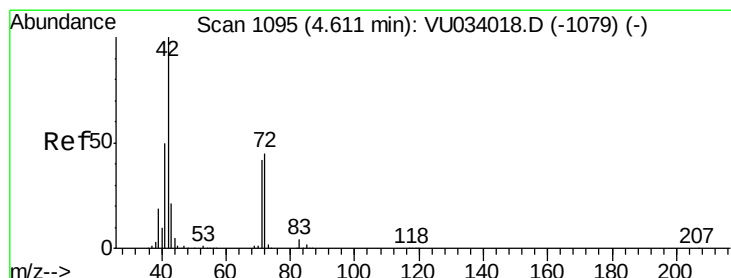
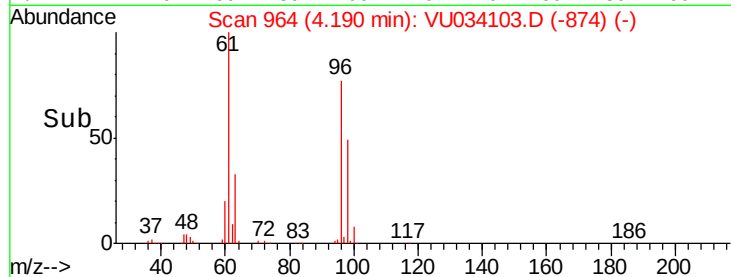
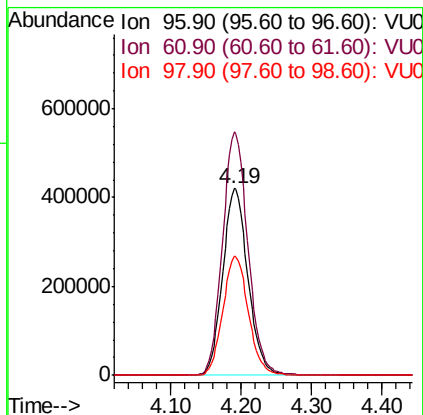
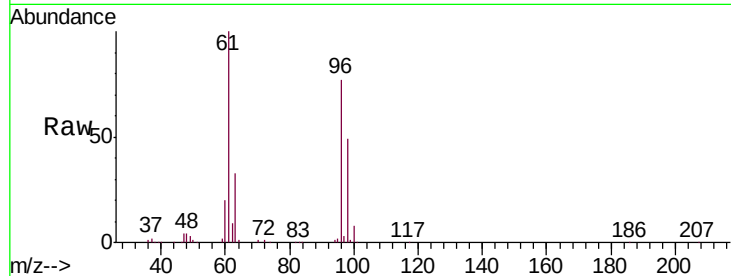
#27

cis-1,2-Dichloroethene
 Concen: 167.718 ug/l
 RT: 4.19 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 1053847

Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	303.0
98	64.5	0.0	129.2

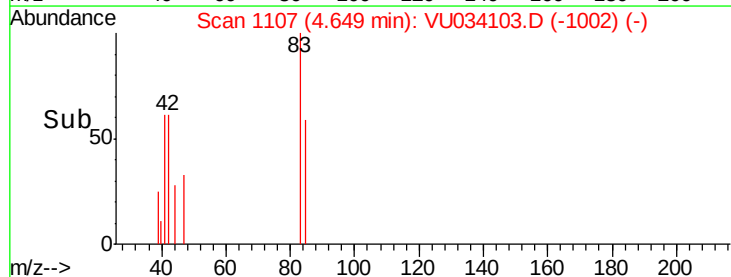
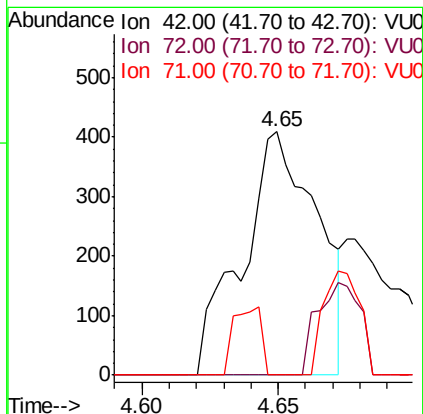
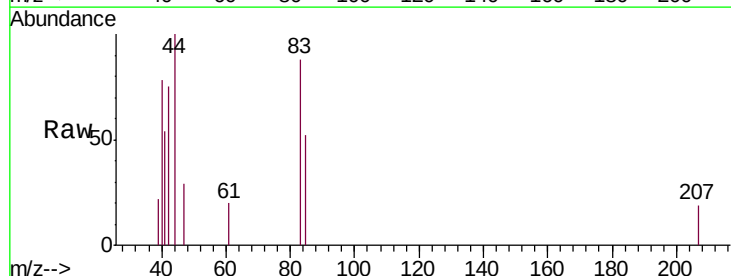


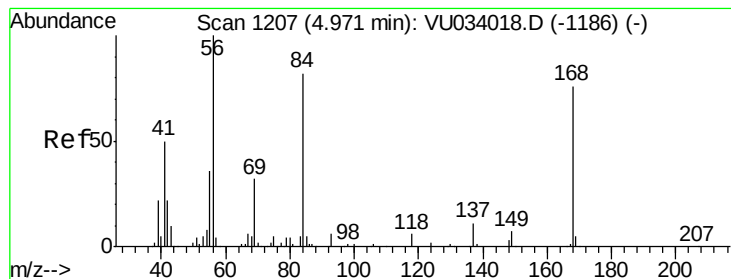
#29

Tetrahydrofuran
 Concen: 0.270 ug/l
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.04 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion: 42 Resp: 779

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.6#
71	10.5	34.0	51.0#





#31

Cyclohexane

Concen: 0.915 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :
MSVOA_U
ClientSampled :

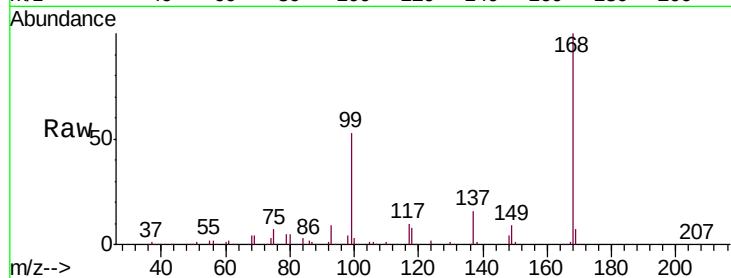
Tot Ion: 56 Resp: 9023

Ion Ratio Lower Upper

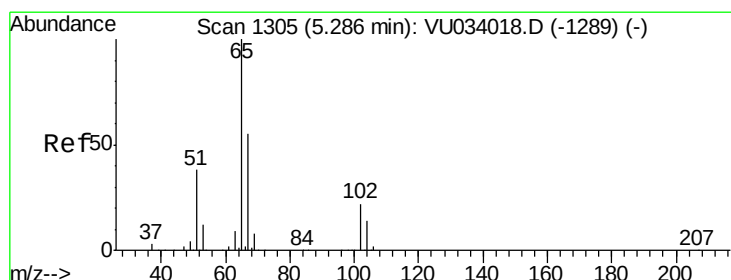
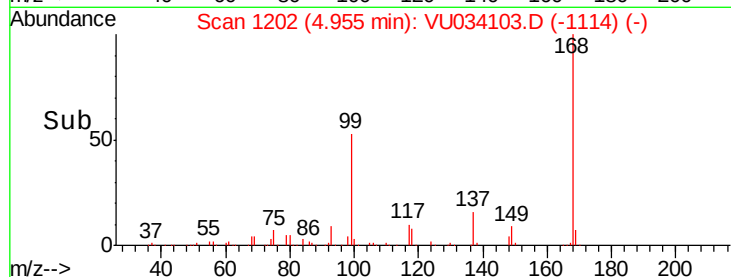
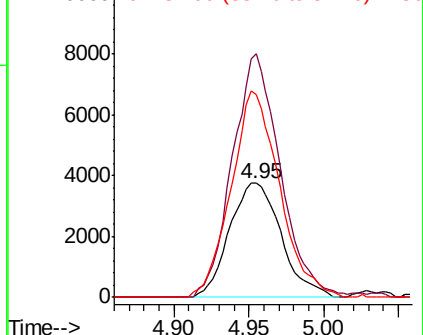
56 100

69 213.0 25.4 38.0#

84 177.8 65.8 98.8#



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: 44.674 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034103.D

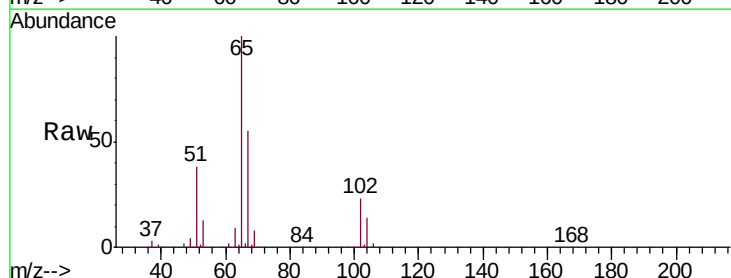
Acq: 30 Aug 2019 17:03

Tgt Ion: 65 Resp: 294947

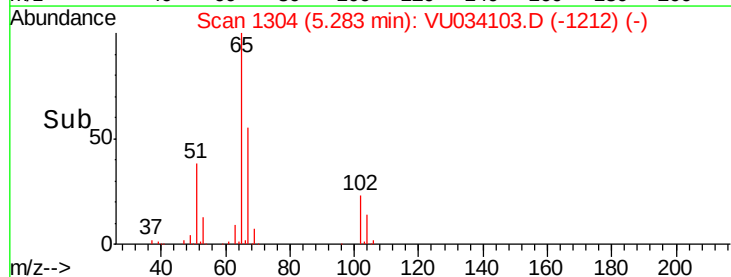
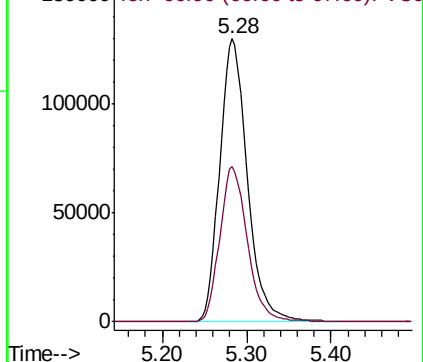
Ion Ratio Lower Upper

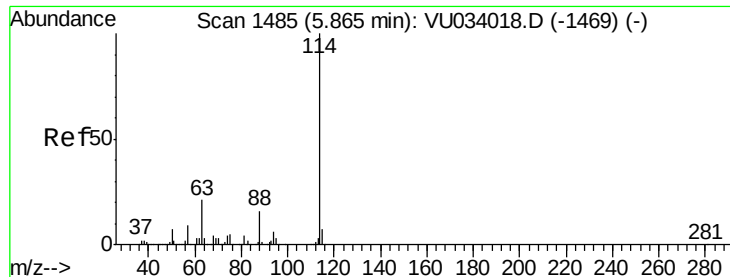
65 100

67 54.9 0.0 110.6



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

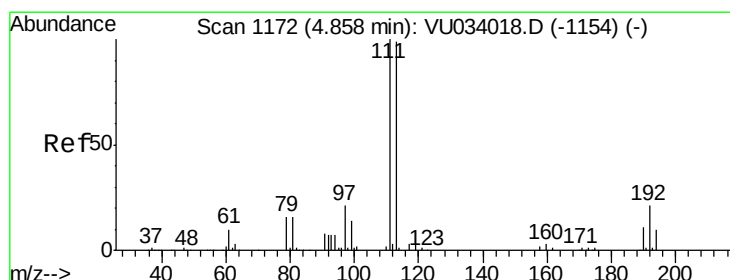
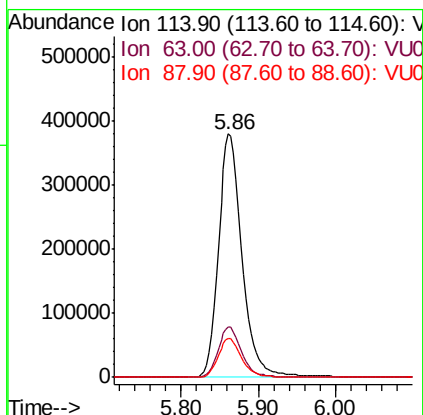
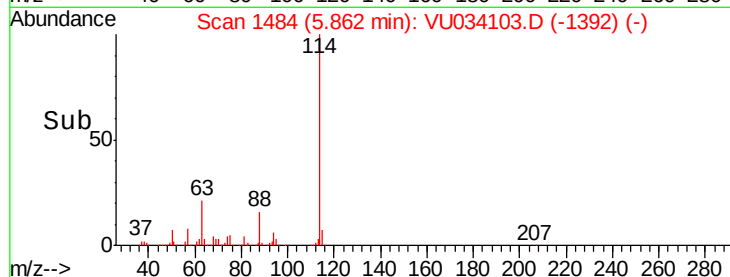
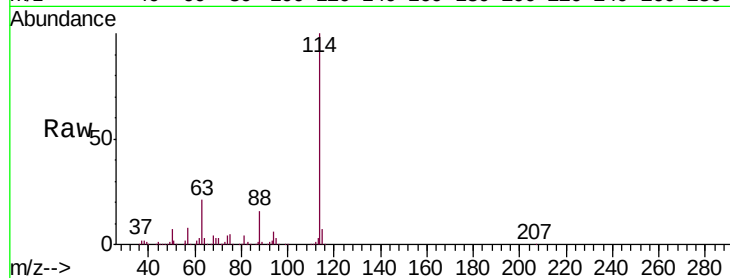




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

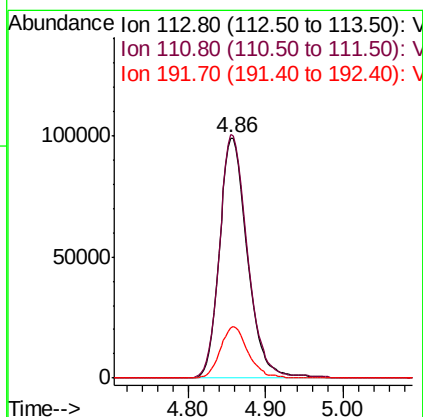
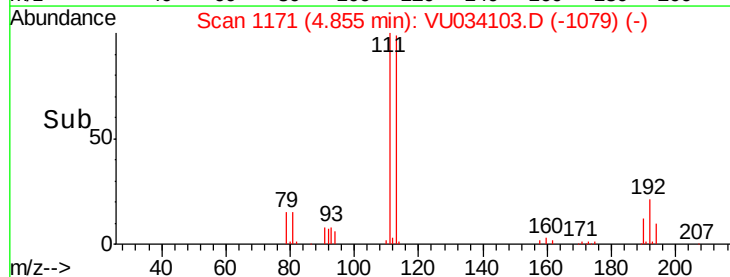
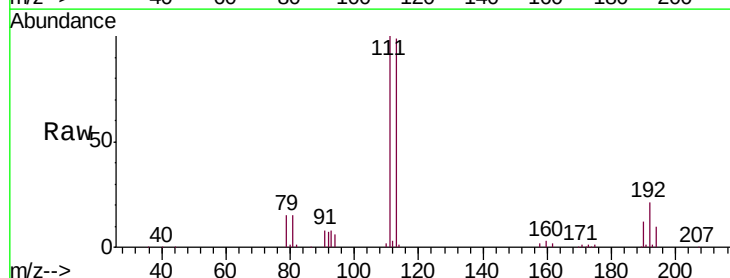
Instrument :
MSVOA_U
ClientSampleId :

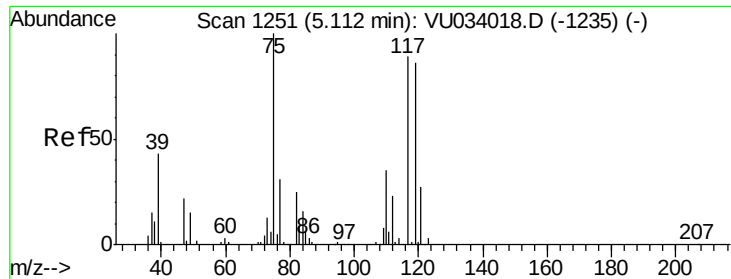
Tot Ion:114 Resp: 807708
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.0
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 44.557 ug/l
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Tgt Ion:113 Resp: 249614
Ion Ratio Lower Upper
113 100
111 101.5 81.7 122.5
192 21.3 17.1 25.7

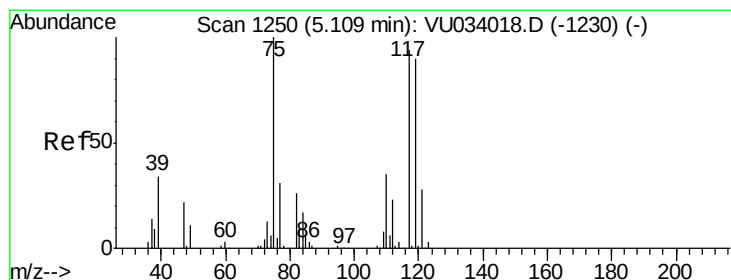
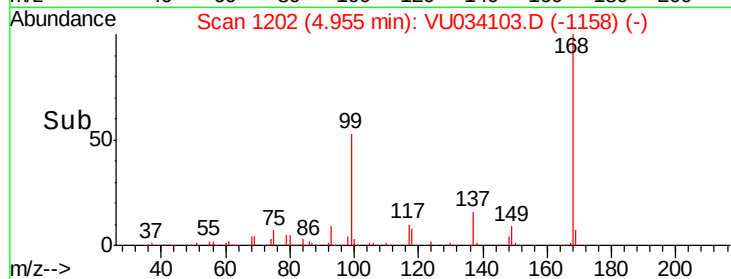
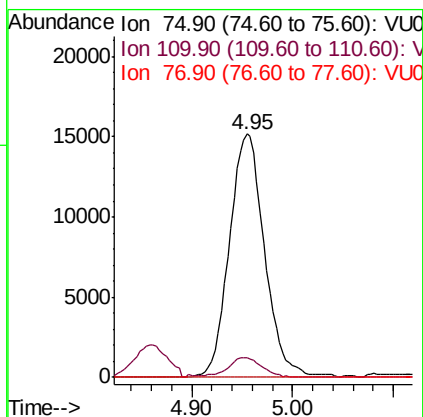
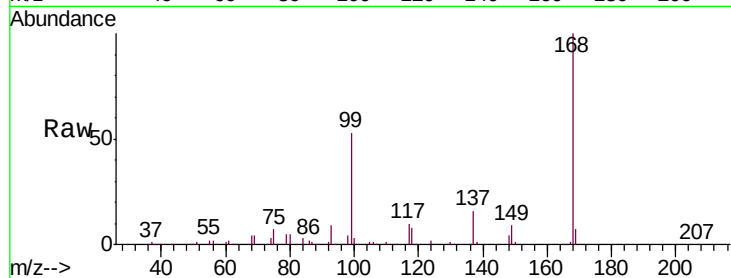




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.16 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

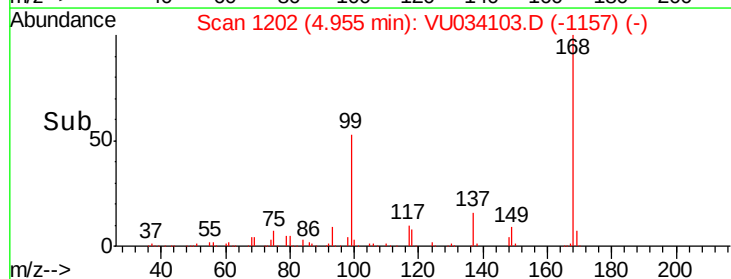
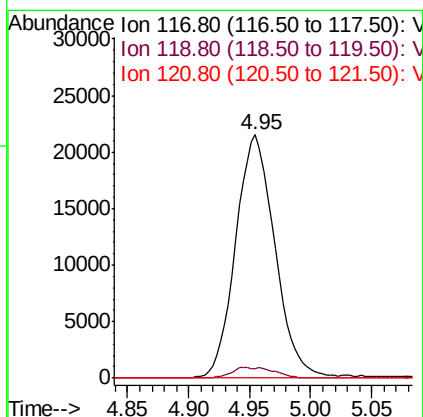
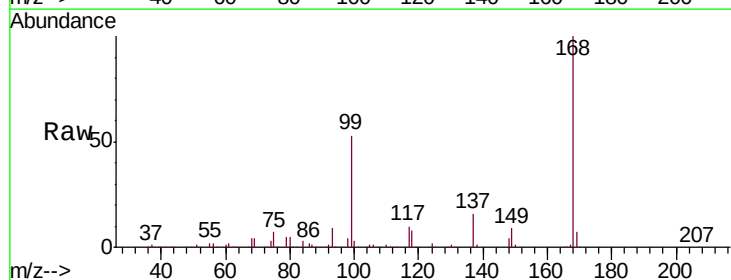
Instrument :
 MSVOA_U
 ClientSampleId :

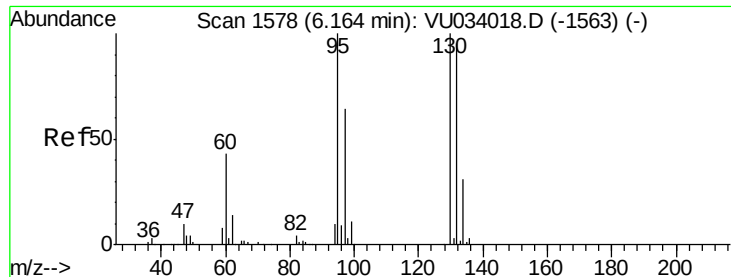
Tot Ion	75	Resp	36833
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.505 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion	117	Resp	47972
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.9	77.0	115.4#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 35.568 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

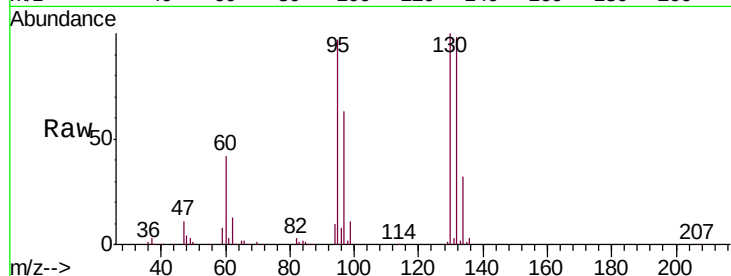
ClientSampled :

Tot Ion:130 Resp: 215895

Ion Ratio Lower Upper

130 100

95 96.5 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034103.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU034103.D (-1485) (-)

6.16

120000

100000

80000

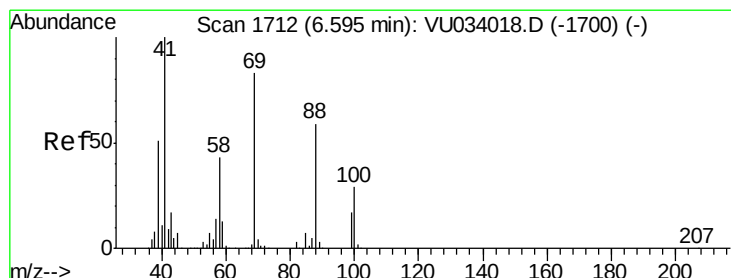
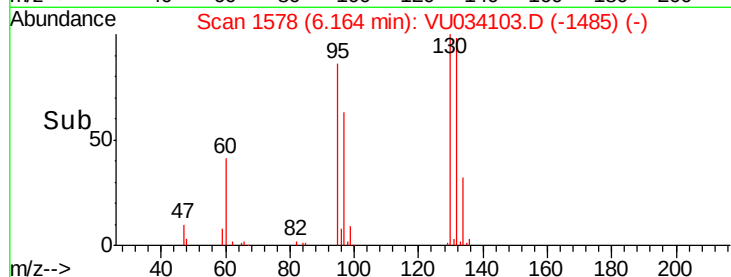
60000

40000

20000

0

Time--> 6.05 6.10 6.15 6.20 6.25



#49

1,4-Dioxane

Concen: 0.400 ug/l

RT: 6.62 min Scan# 1719

Delta R.T. 0.02 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

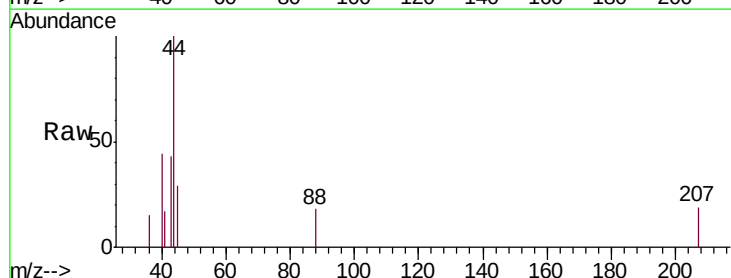
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 296.8 24.8 37.2#

58 77.8 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VU034103.D (-1619) (-)

Ion 43.00 (42.70 to 43.70): VU034103.D (-1619) (-)

Ion 58.00 (57.70 to 58.70): VU034103.D (-1619) (-)

400

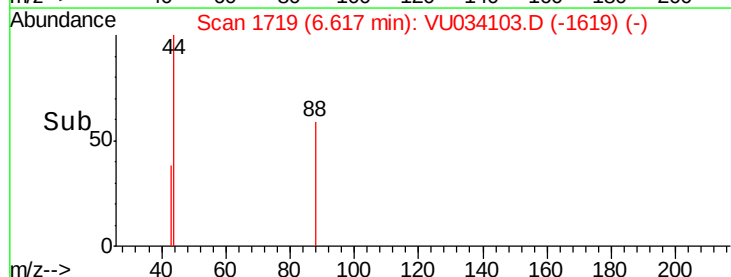
300

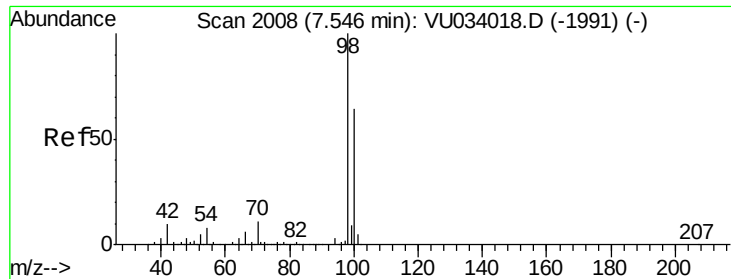
200

100

0

Time--> 6.60 6.61 6.62 6.63

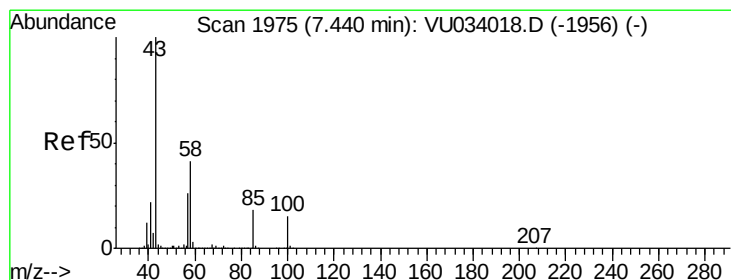
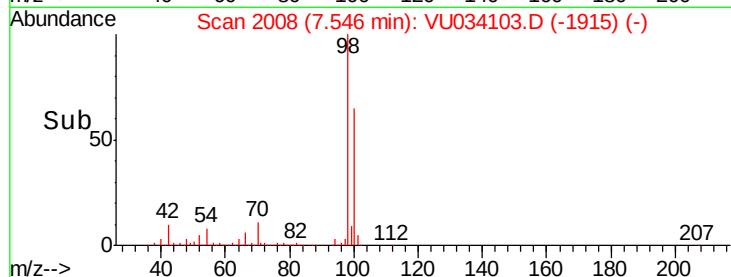
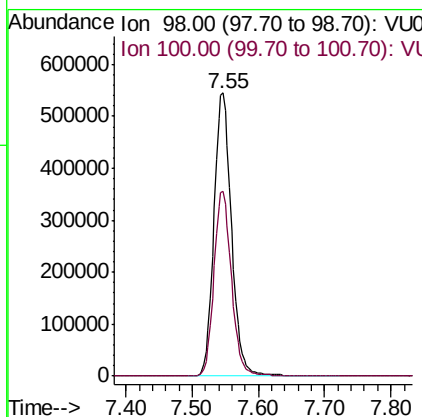
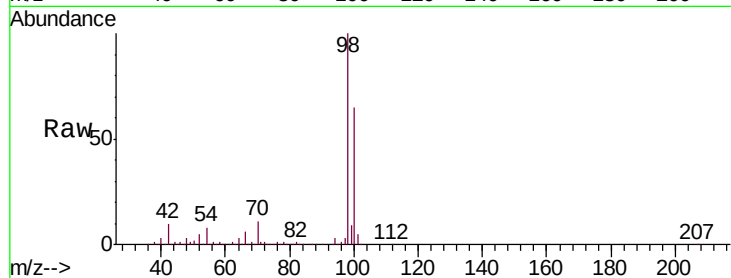




#50
Toluene-d8
Concen: 47.820 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

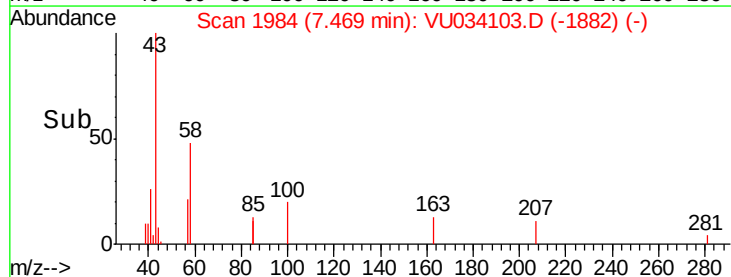
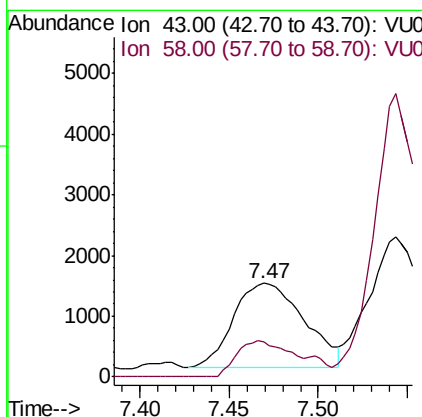
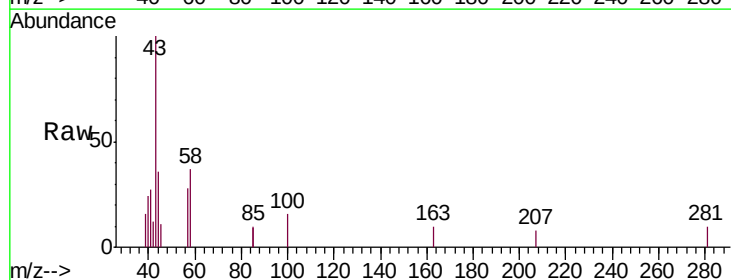
Instrument :
MSVOA_U
ClientSampleId :

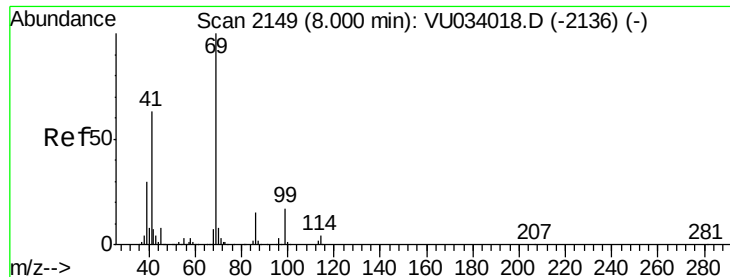
Tot Ion: 98 Resp: 1003111
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 0.420 ug/l
RT: 7.47 min Scan# 1984
Delta R.T. 0.03 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Tgt Ion: 43 Resp: 3773
Ion Ratio Lower Upper
43 100
58 32.3 32.2 48.4





#56

Ethyl methacrylate

Concen: 0.976 ug/l

RT: 8.01 min Scan# 2153

Delta R.T. 0.01 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :
MSVOA_U
ClientSampled :

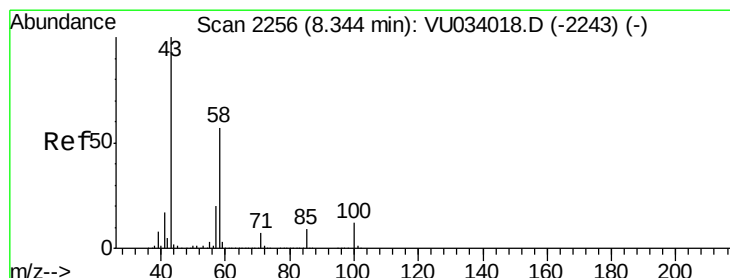
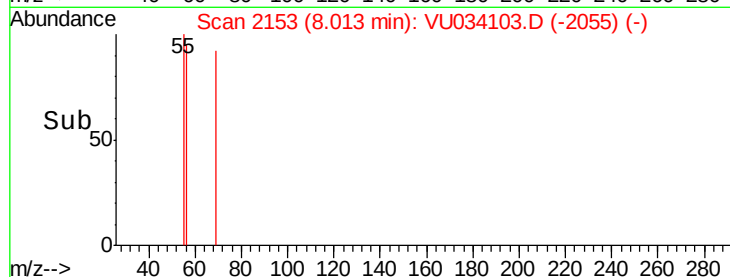
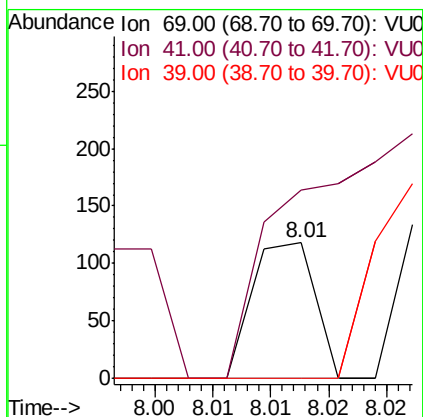
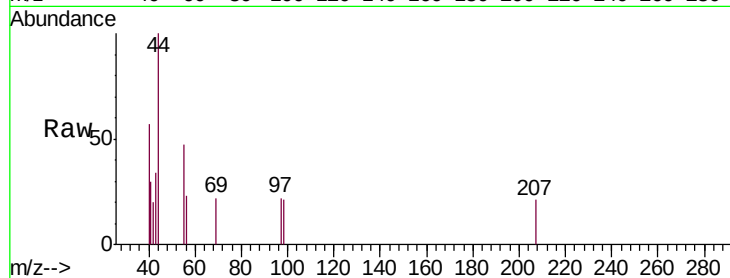
Tot Ion: 69 Resp: 45

Ion Ratio Lower Upper

69 100

41 97.8 50.7 76.1#

39 0.0 24.2 36.2#



#59

2-Hexanone

Concen: 0.327 ug/l

RT: 8.39 min Scan# 2271

Delta R.T. 0.05 min

Lab File: VU034103.D

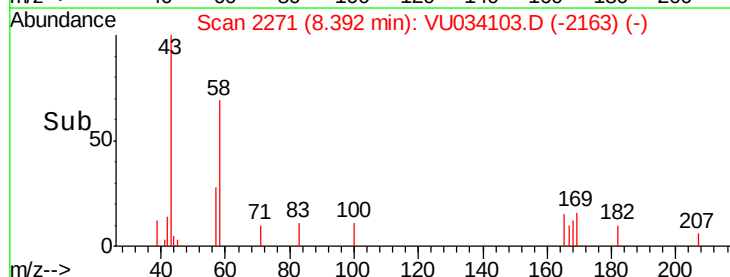
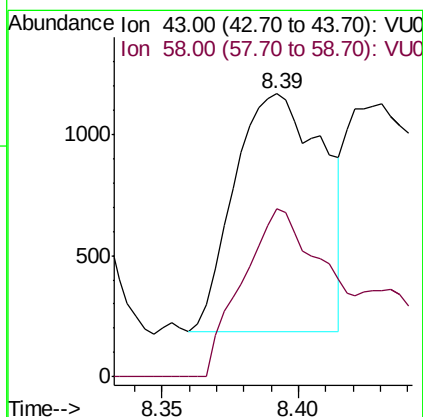
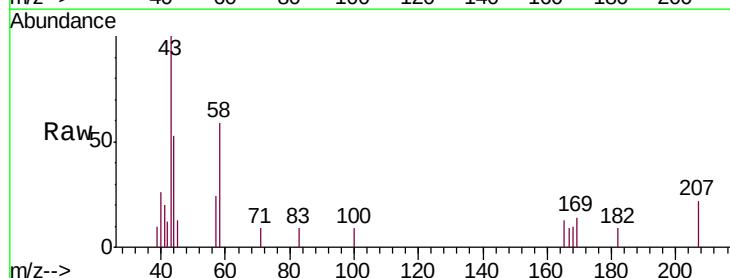
Acq: 30 Aug 2019 17:03

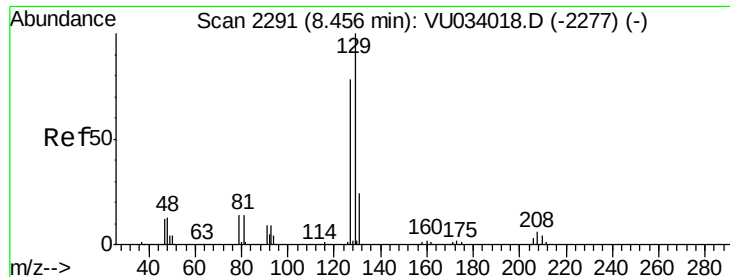
Tgt Ion: 43 Resp: 2219

Ion Ratio Lower Upper

43 100

58 67.6 28.4 85.3





#60

Dibromochloromethane

Concen: 1.052 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

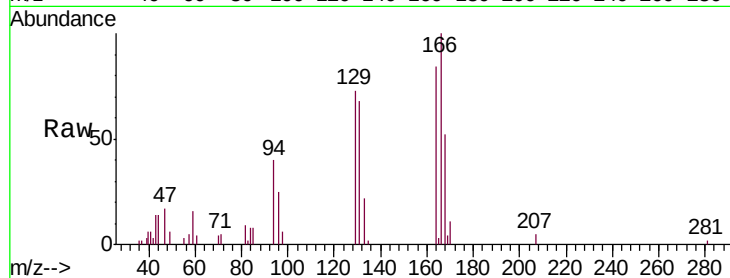
ClientSampleId :

Tot Ion:129 Resp: 6800

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.21

4000

3000

2000

1000

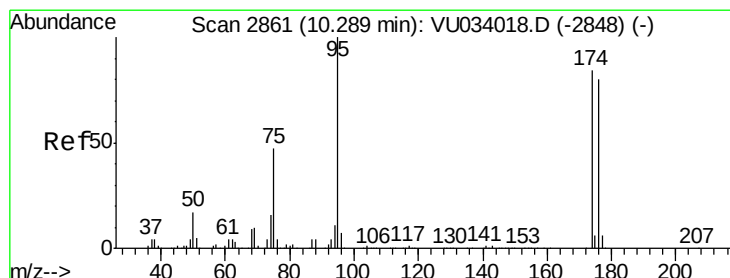
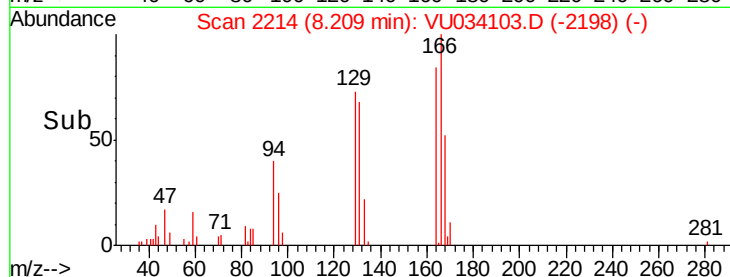
0

8.15

8.20

8.25

Time-->



#62

4-Bromofluorobenzene

Concen: 49.104 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

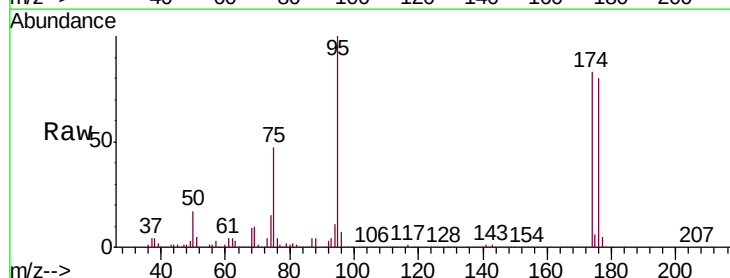
Tgt Ion: 95 Resp: 400677

Ion Ratio Lower Upper

95 100

174 83.8 0.0 168.8

176 81.4 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

300000

250000

200000

150000

100000

50000

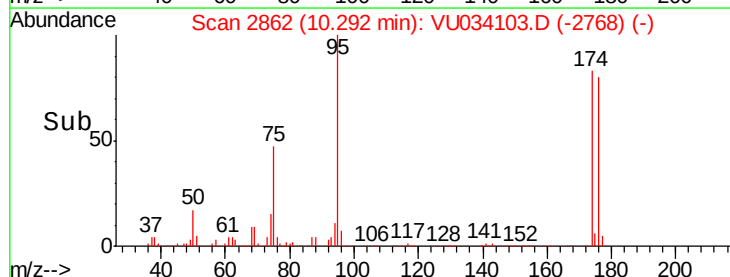
0

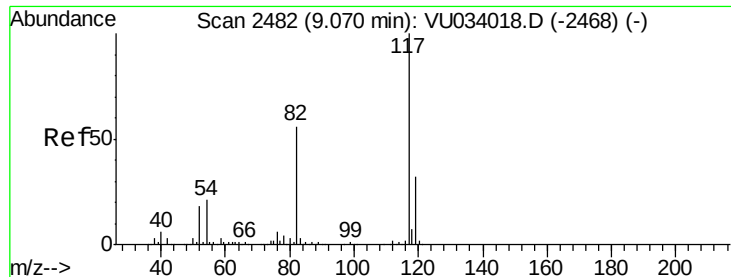
10.20

10.30

10.40

Time-->

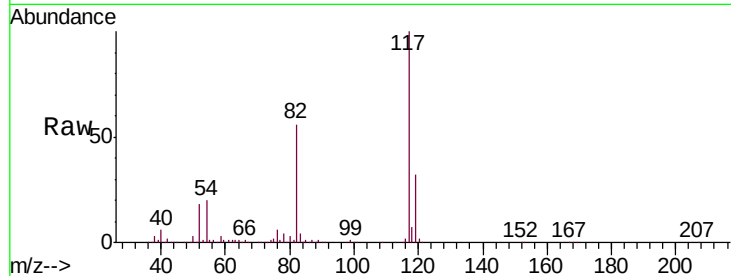




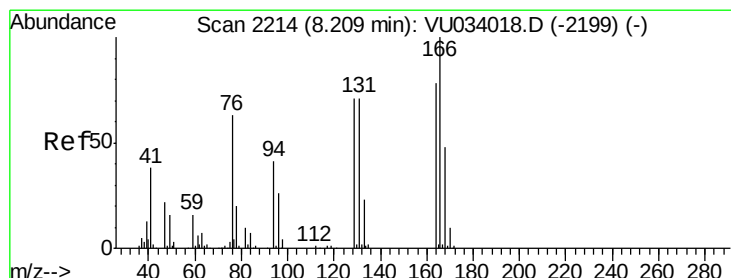
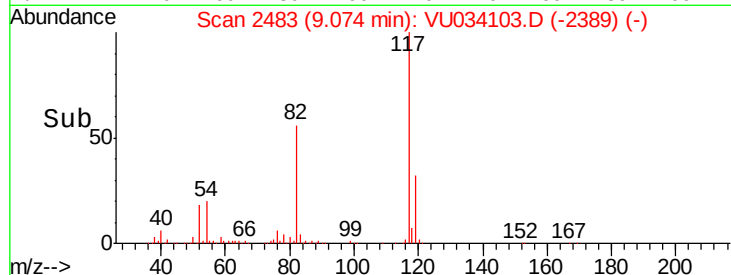
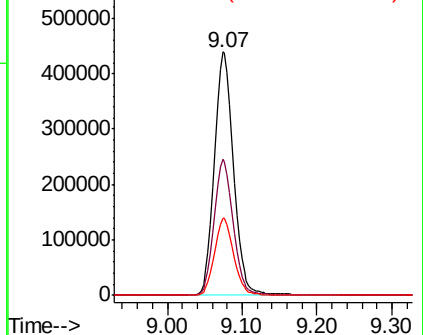
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 788471
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 31.7 25.4 38.0

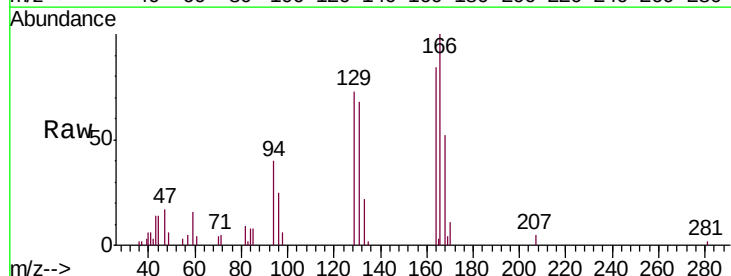


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

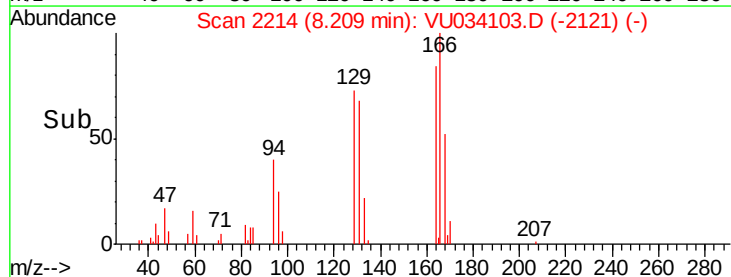
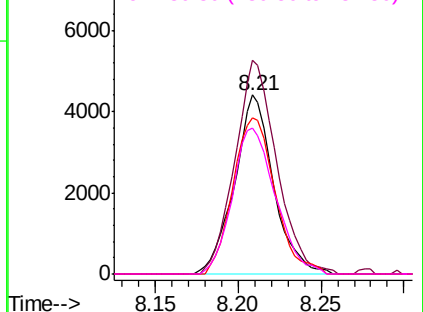


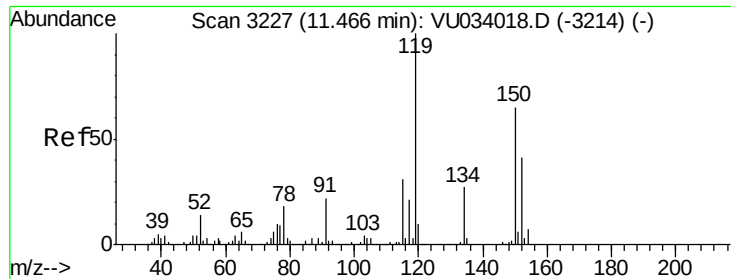
#64
Tetrachloroethene
Concen: 1.363 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034103.D
Acq: 30 Aug 2019 17:03

Tgt Ion:164 Resp: 7216
Ion Ratio Lower Upper
164 100
166 119.3 102.2 153.2
129 87.3 72.4 108.6
131 81.2 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

ClientSampleId :

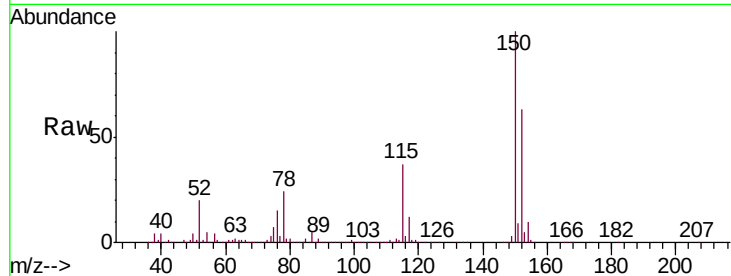
Tot Ion:152 Resp: 415775

Ion Ratio Lower Upper

152 100

115 58.0 41.1 123.3

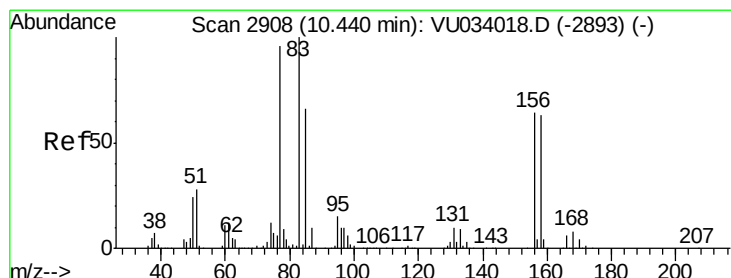
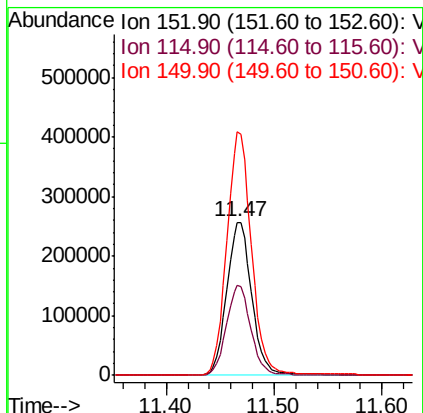
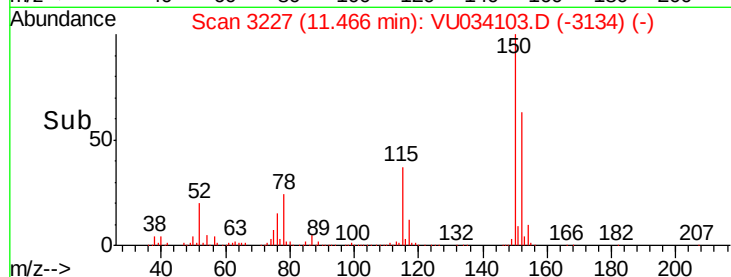
150 158.1 0.0 348.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.382 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.03 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

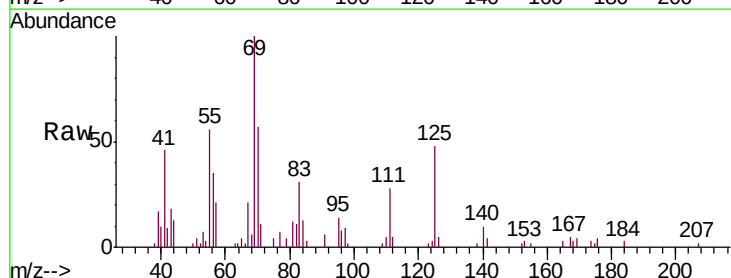
Tgt Ion: 83 Resp: 4081

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

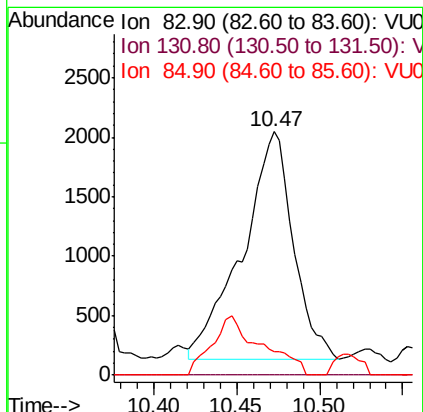
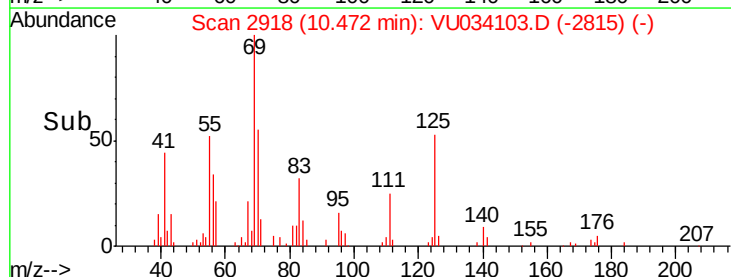
85 0.0 32.2 96.6#

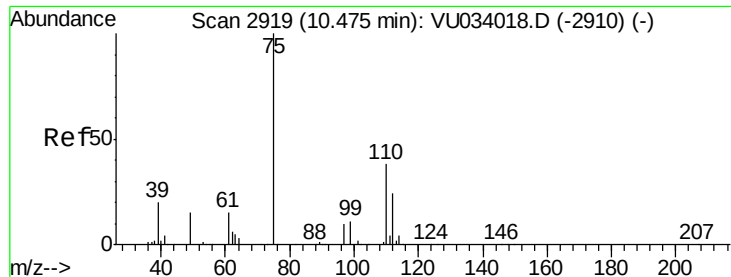


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 20.348 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.18 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

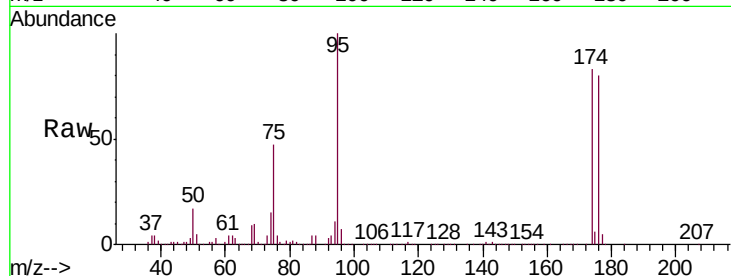
ClientSampleId :

Tot Ion: 75 Resp: 190674

Ion Ratio Lower Upper

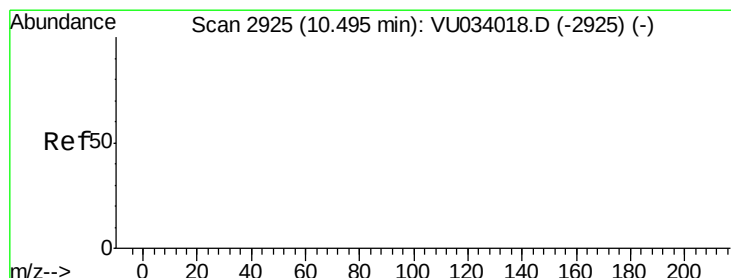
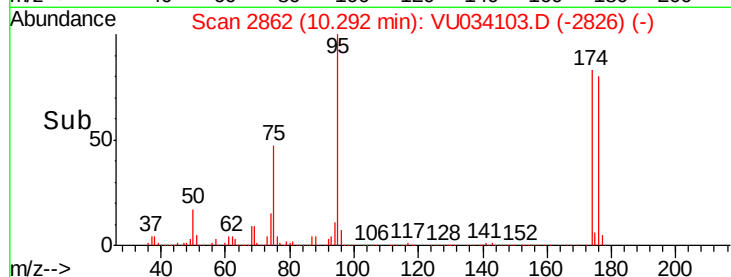
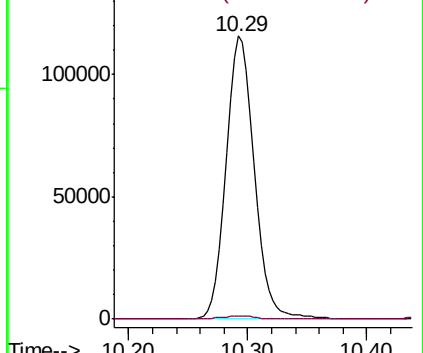
75 100

77 1.4 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.515 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.20 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

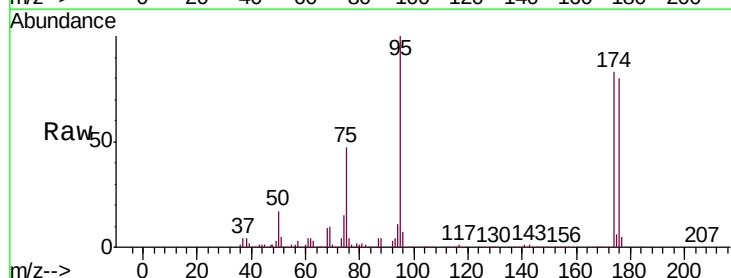
Tgt Ion: 75 Resp: 190674

Ion Ratio Lower Upper

75 100

53 0.3 0.0 0.0#

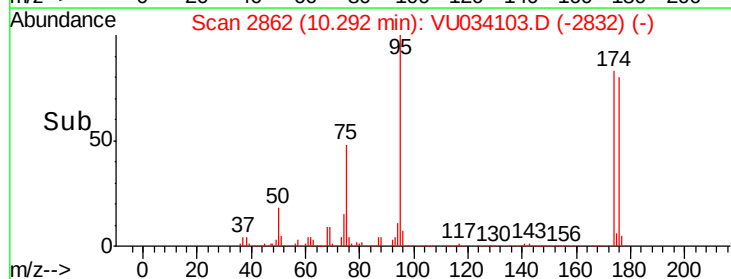
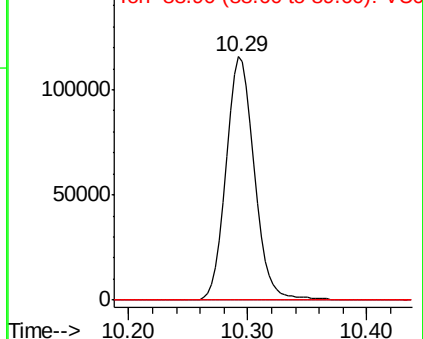
89 0.0 0.0 0.0

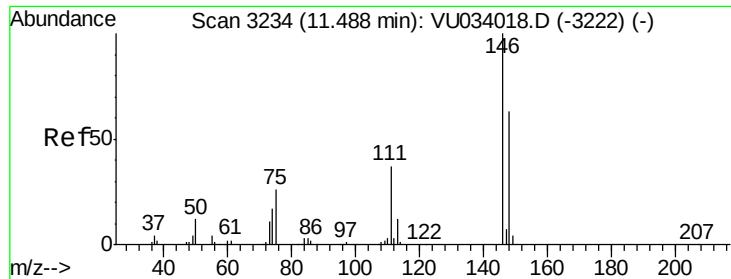


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

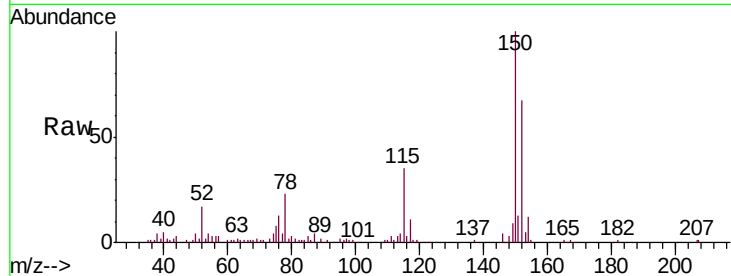




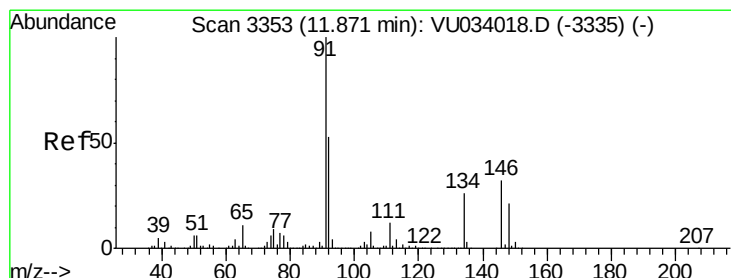
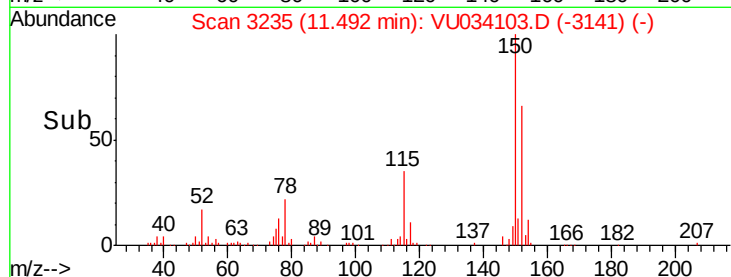
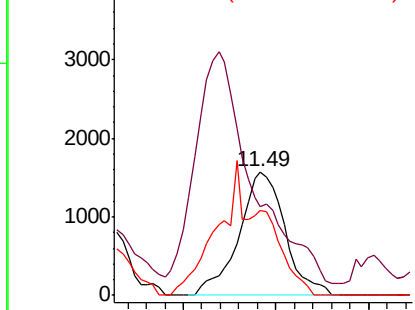
#88
 1,4-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 2717
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.2 57.6#
 148 0.0 31.9 95.9#

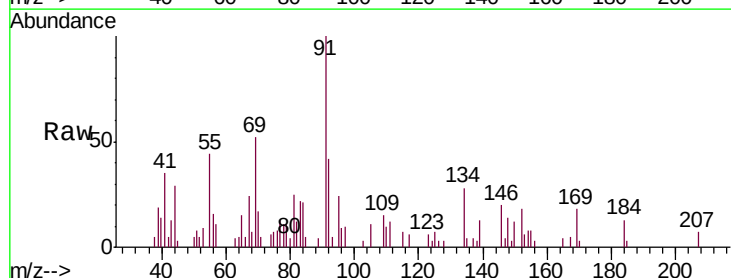


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

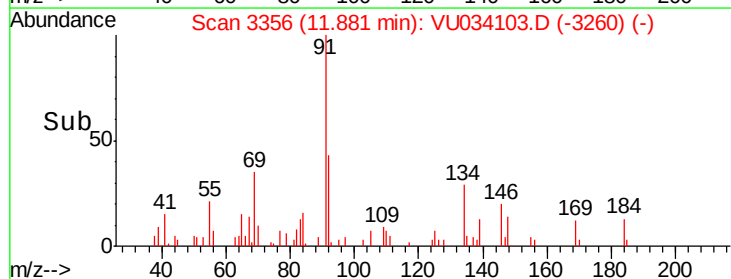
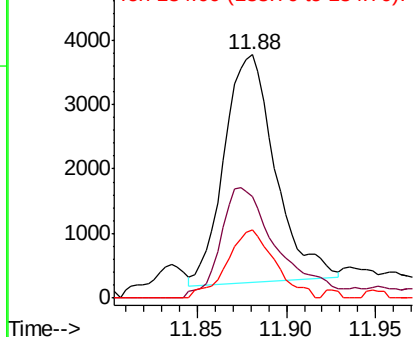


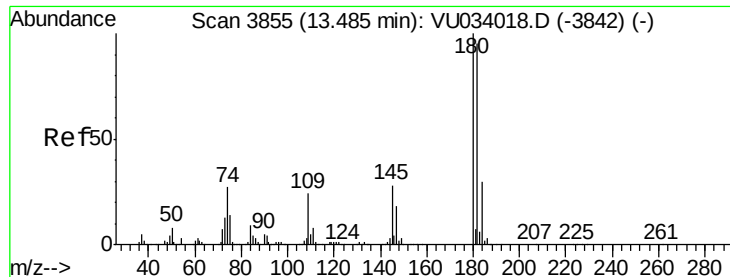
#89
 n-Butylbenzene
 Concen: 0.316 ug/l
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion: 91 Resp: 7043
 Ion Ratio Lower Upper
 91 100
 92 53.8 26.3 78.9
 134 28.0 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

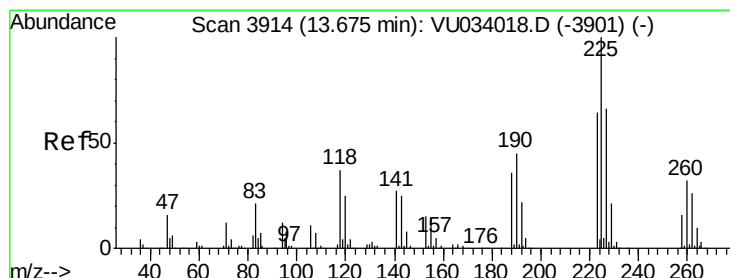
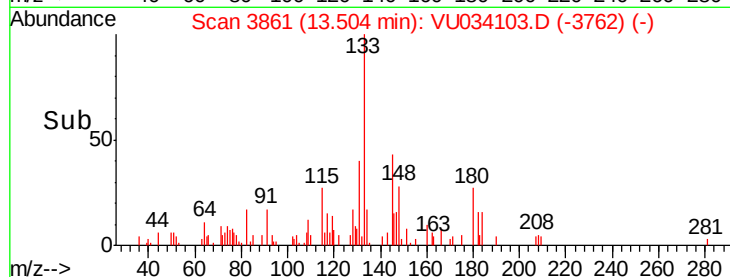
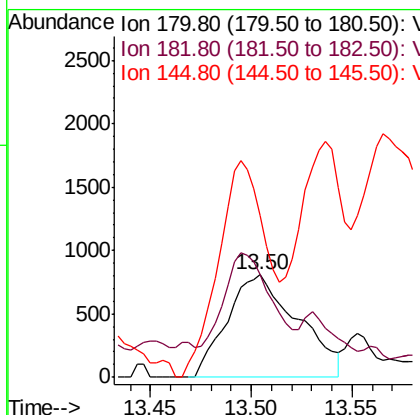
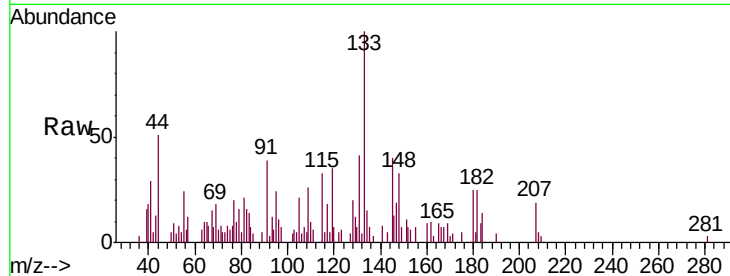




#93
 1,2,4-Trichlorobenzene
 Concen: 1.326 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.02 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

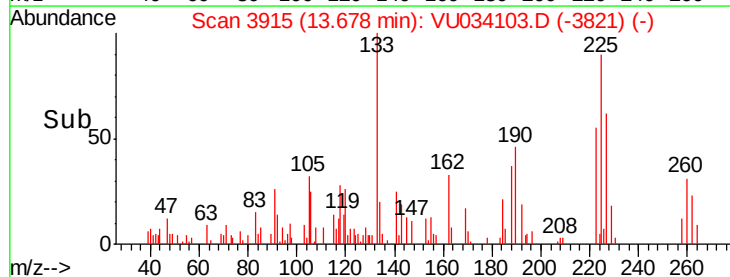
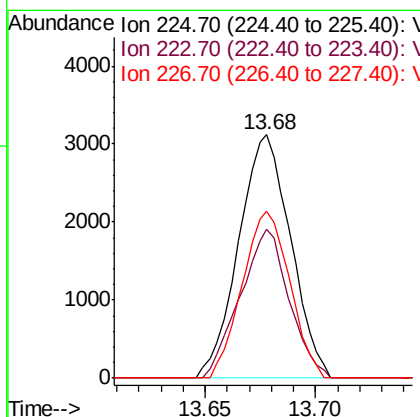
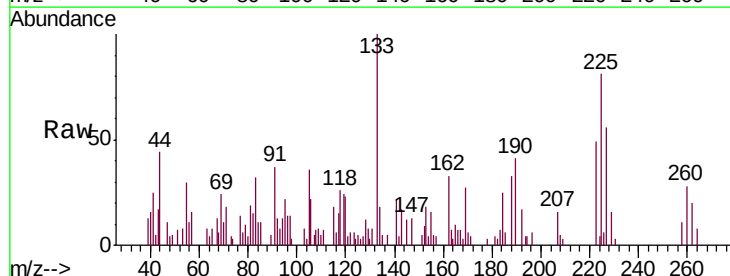
Instrument :
 MSVOA_U
 ClientSampled :

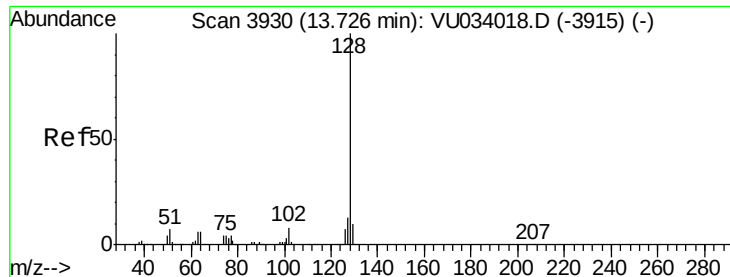
Tot Ion:180 Resp: 1970
 Ion Ratio Lower Upper
 180 100
 182 61.4 47.4 142.2
 145 144.6 14.1 42.3#



#94
 Hexachlorobutadiene
 Concen: 1.020 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034103.D
 Acq: 30 Aug 2019 17:03

Tgt Ion:225 Resp: 5083
 Ion Ratio Lower Upper
 225 100
 223 57.6 31.8 95.3
 227 62.7 32.6 97.8





#95

Naphthalene

Concen: 2.363 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.02 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

Instrument :

MSVOA_U

ClientSampleId :

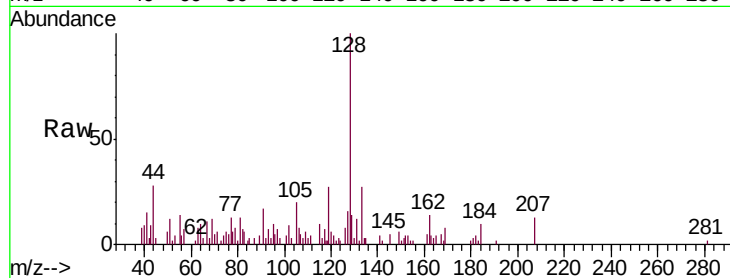
Tot Ion:128 Resp: 15434

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

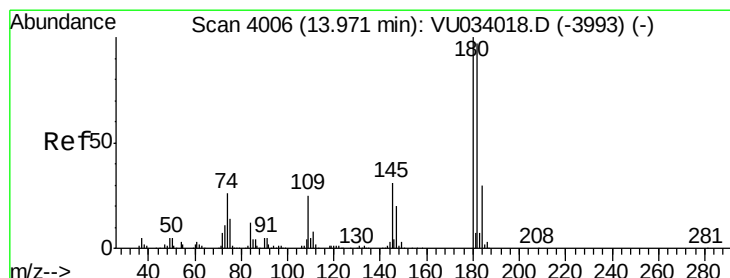
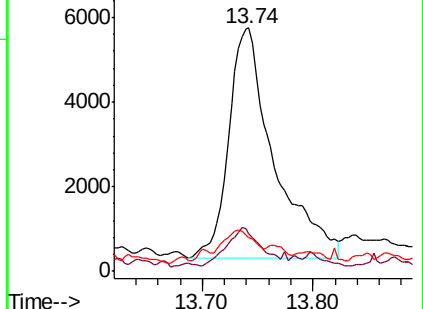
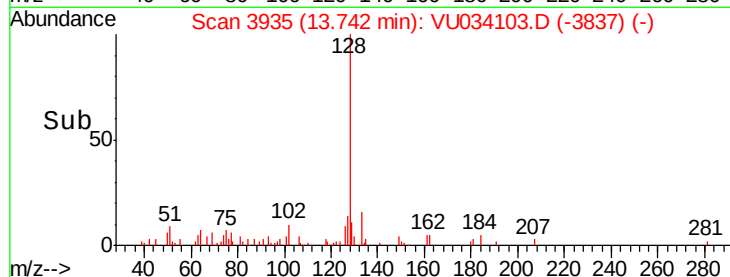
129 5.8 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.296 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.01 min

Lab File: VU034103.D

Acq: 30 Aug 2019 17:03

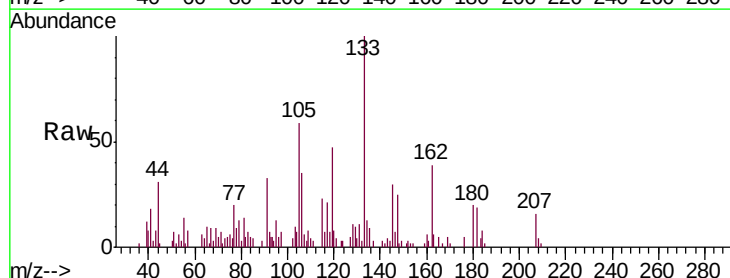
Tgt Ion:180 Resp: 2414

Ion Ratio Lower Upper

180 100

182 76.0 48.2 144.6

145 368.5 15.5 46.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

