

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034030.D
 Acq On : 28 Aug 2019 18:05
 Operator : JC/SP
 Sample : K4592-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-4A

Quant Time: Aug 29 04:17:46 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

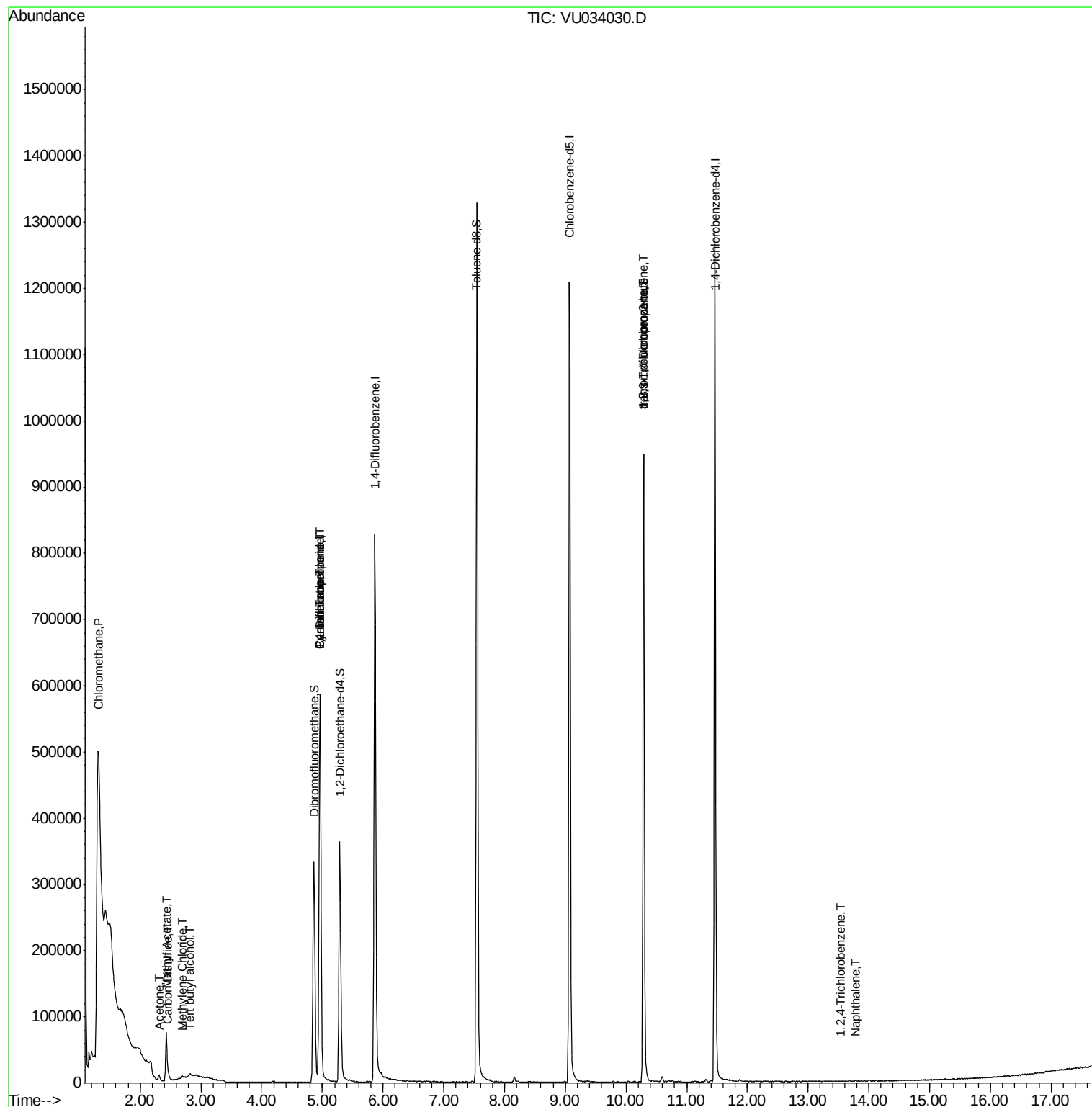
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	467292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	741318	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	706660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	360564	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	291116	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
35) Dibromofluoromethane	4.86	113	239517	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	7.55	98	932288	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	10.29	95	328294	43.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	35059	3.648	ug/l #	55
5) Bromomethane	1.58	94	102	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	4687	3.394	ug/l #	92
16) Acetone	2.31	43	9893	3.238	ug/l	98
17) Carbon Disulfide	2.47	76	7907	0.534	ug/l	100
18) Methyl Acetate	2.43	43	18833	2.385	ug/l #	51
20) Methylene Chloride	2.69	84	1450	0.251	ug/l #	80
31) Cyclohexane	4.96	56	8629	0.965	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	34386	4.904	ug/l #	48
38) Carbon Tetrachloride	4.96	117	44106	6.517	ug/l #	17
76) 1,2,3-Trichloropropane	10.29	75	159961	19.684	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	159961	66.280	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	263	1.147	ug/l #	60
95) Naphthalene	13.78	128	2500	1.897	ug/l #	71

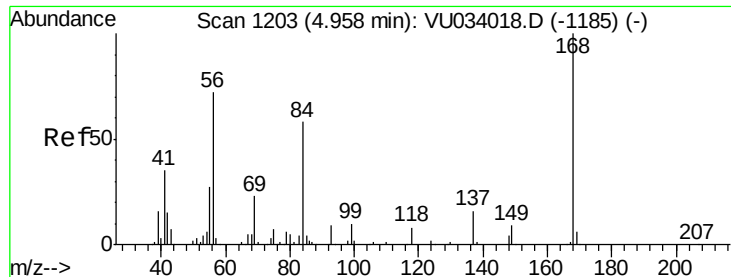
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

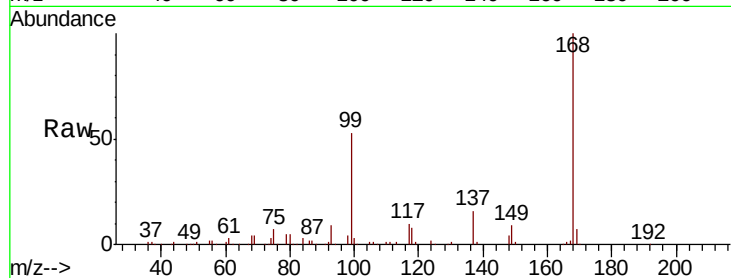
GW-4A

Tgt Ion:168 Resp: 467292

Ion Ratio Lower Upper

168 100

99 52.5 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) (-)

4.96

200000

150000

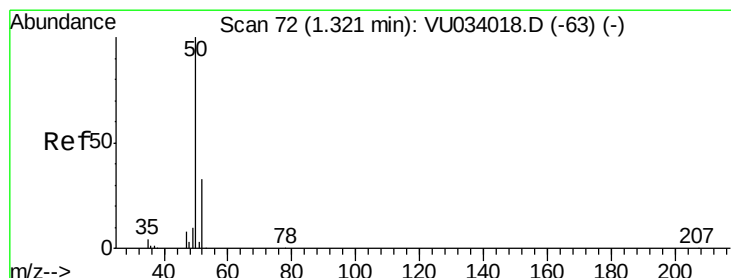
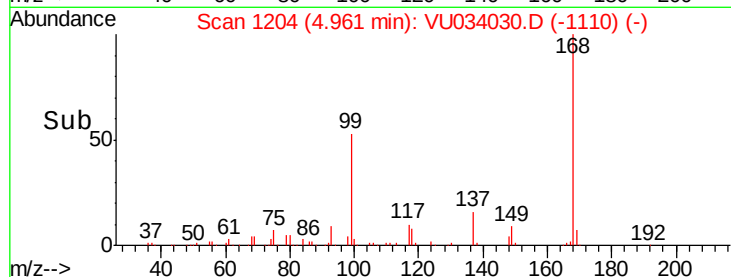
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 3.648 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034030.D

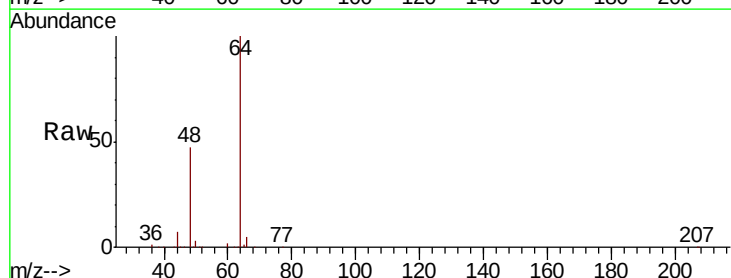
Acq: 28 Aug 2019 18:05

Tgt Ion: 50 Resp: 35059

Ion Ratio Lower Upper

50 100

52 7.5 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

10000

8000

6000

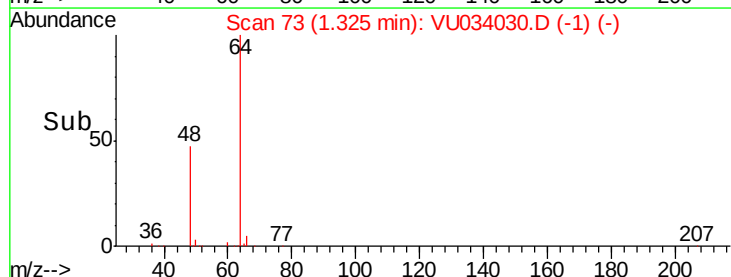
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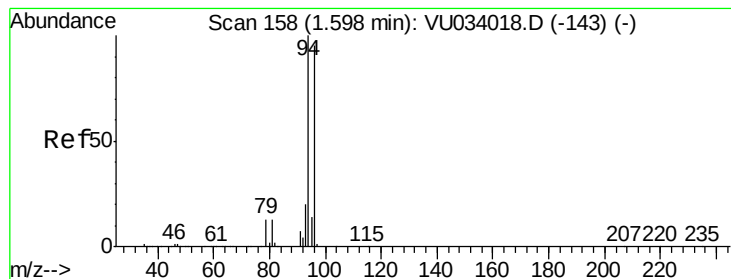
2000

0

1.20 1.25 1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

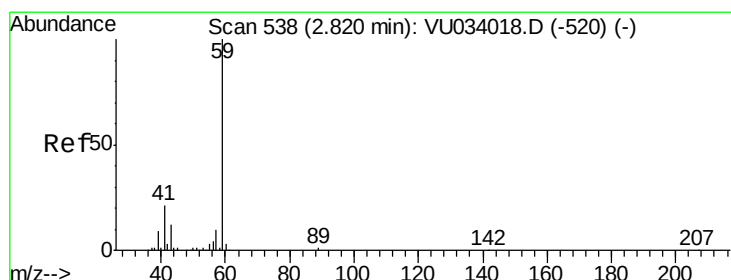
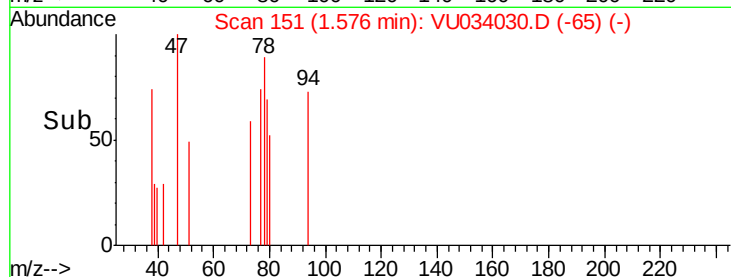
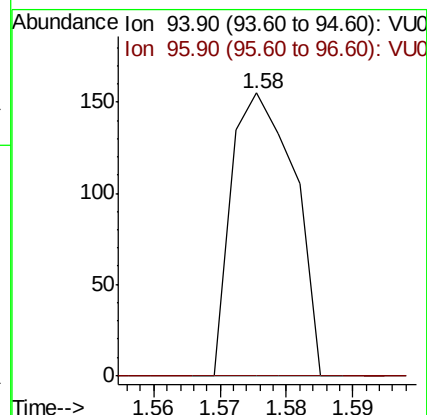
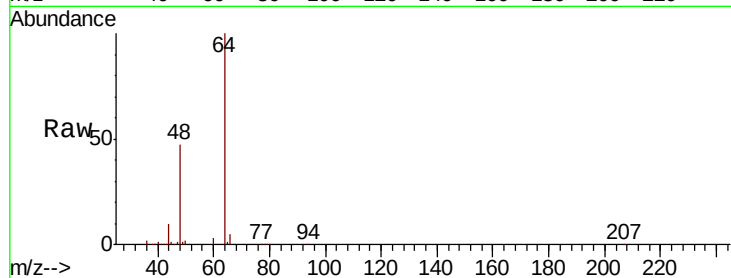
GW-4A

Tgt Ion: 94 Resp: 102

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



#11

Tert butyl alcohol

Concen: 3.394 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034030.D

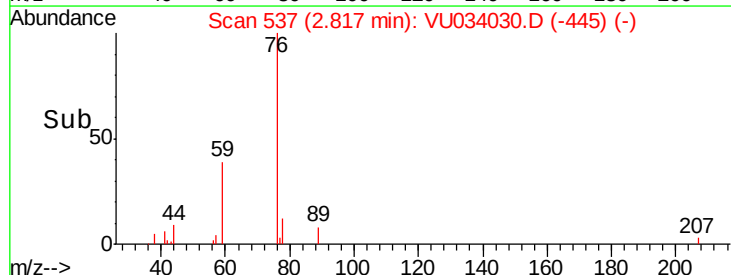
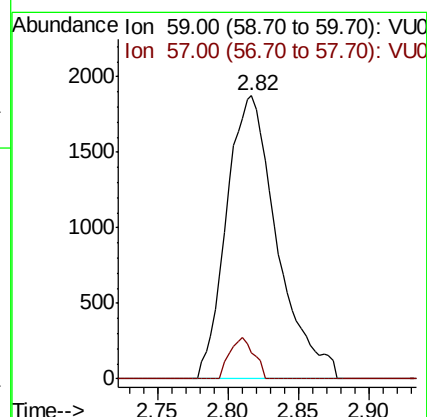
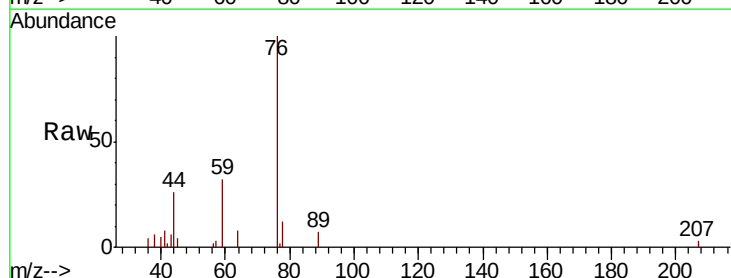
Acq: 28 Aug 2019 18:05

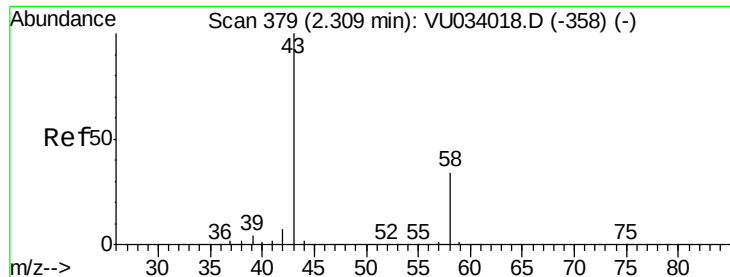
Tgt Ion: 59 Resp: 4687

Ion Ratio Lower Upper

59 100

57 7.0 8.0 12.0#





#16

Acetone

Concen: 3.238 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

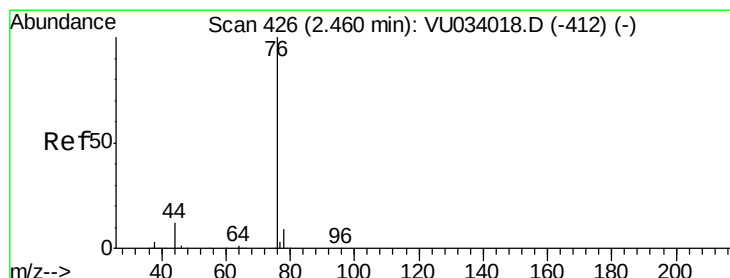
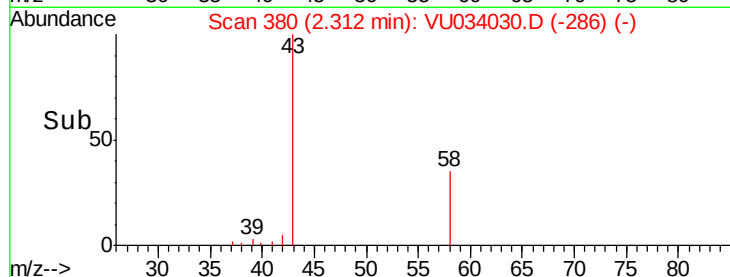
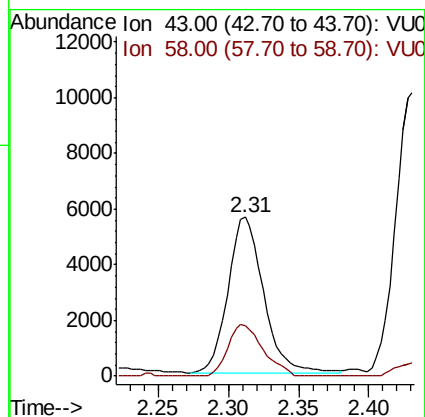
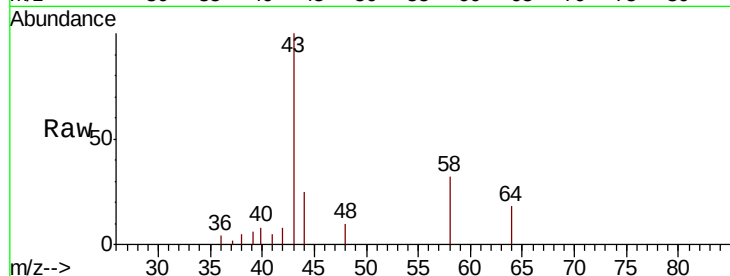
GW-4A

Tgt Ion: 43 Resp: 9893

Ion Ratio Lower Upper

43 100

58 32.4 26.8 40.2



#17

Carbon Disulfide

Concen: 0.534 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034030.D

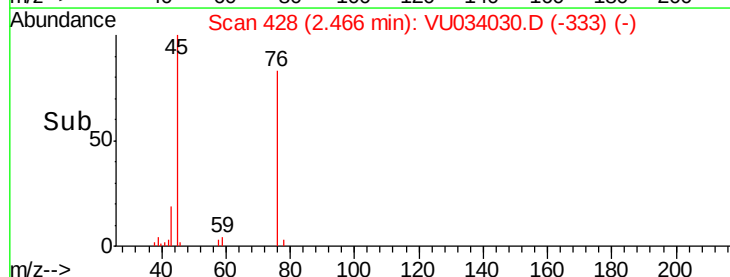
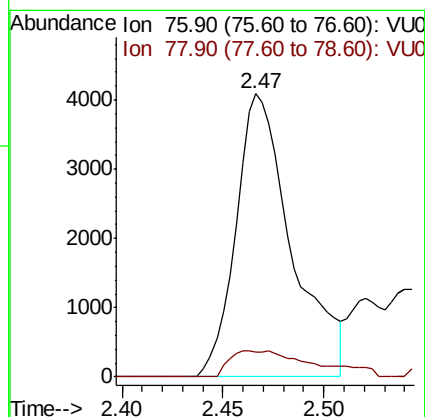
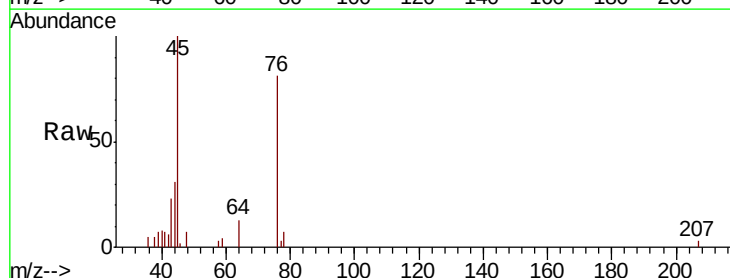
Acq: 28 Aug 2019 18:05

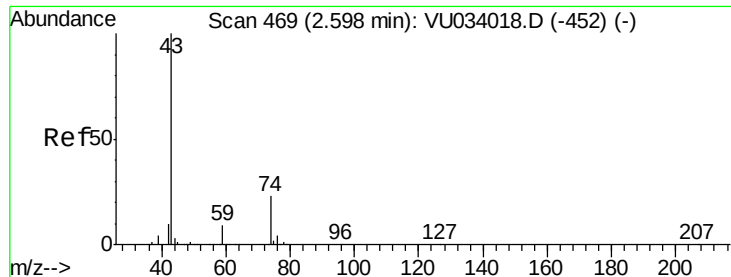
Tgt Ion: 76 Resp: 7907

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

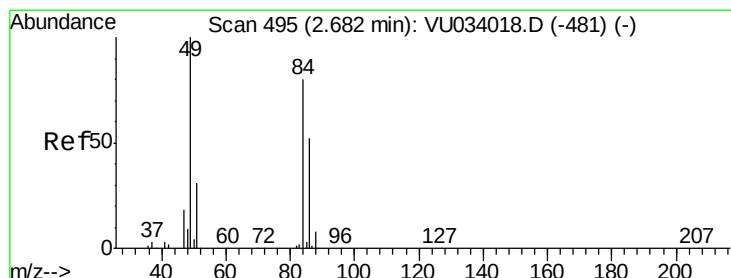
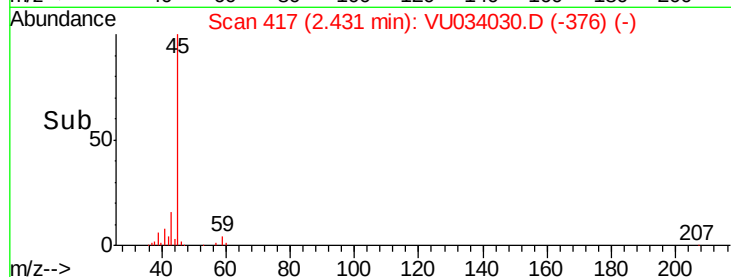
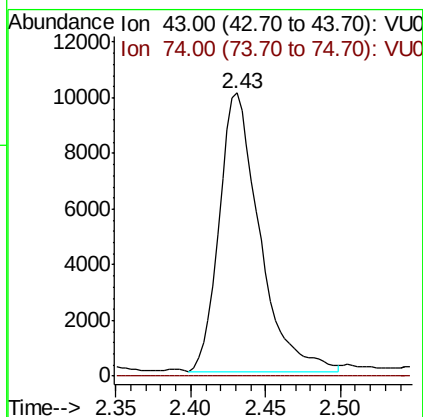
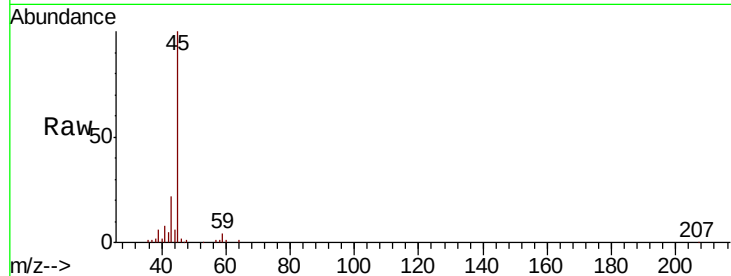




#18
Methyl Acetate
Concen: 2.385 ug/l
RT: 2.43 min Scan# 417
Delta R.T. -0.17 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

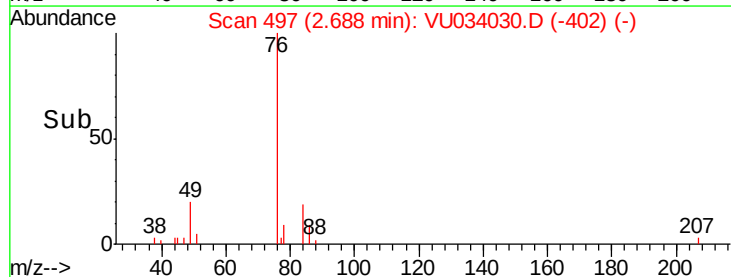
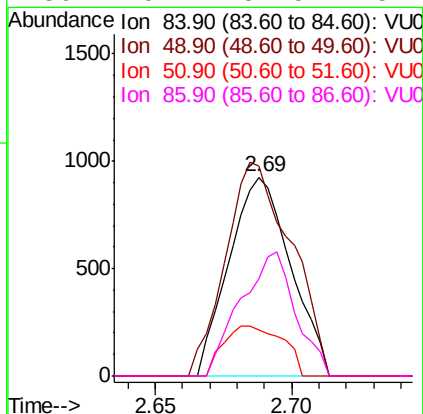
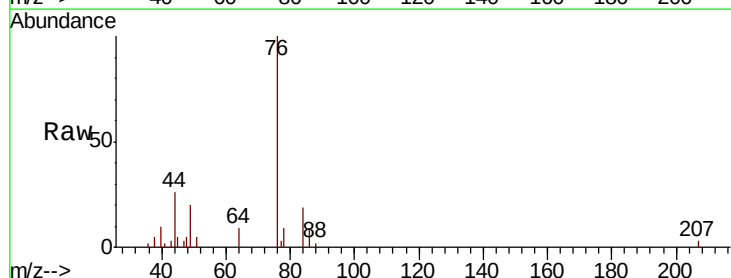
Instrument :
MSVOA_U
ClientSampleId :
GW-4A

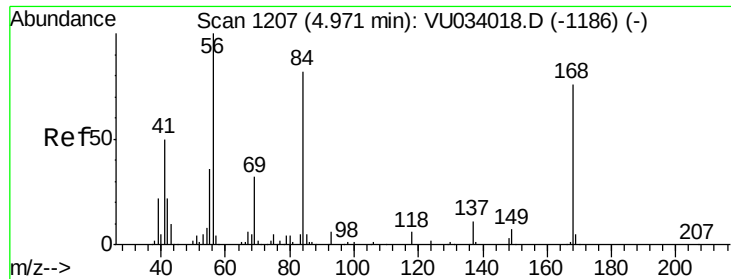
Tgt Ion: 43 Resp: 18833
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

Tgt Ion: 84 Resp: 1450
Ion Ratio Lower Upper
84 100
49 105.5 100.2 150.4
51 23.4 30.8 46.2#
86 49.2 52.5 78.7#

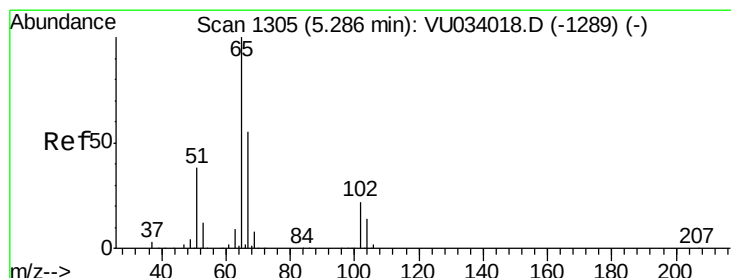
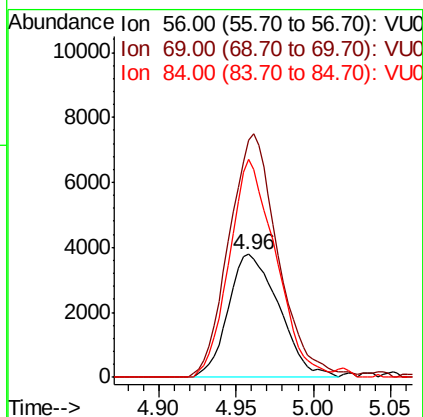
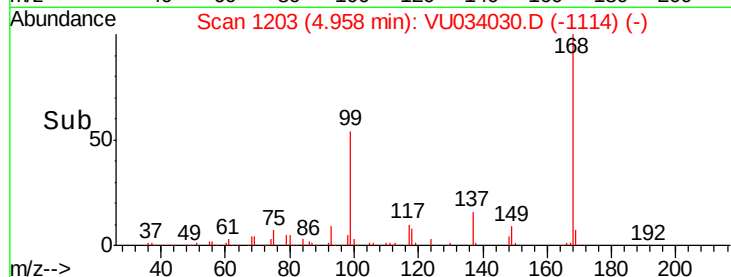
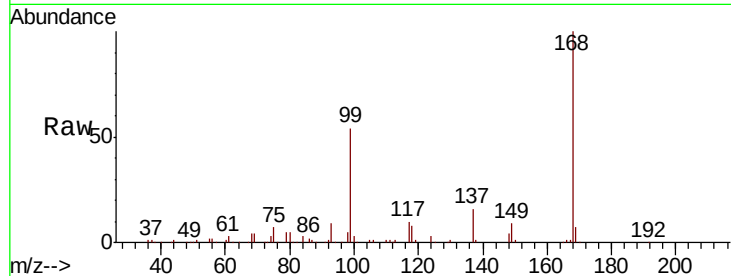




#31
Cyclohexane
Concen: 0.965 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

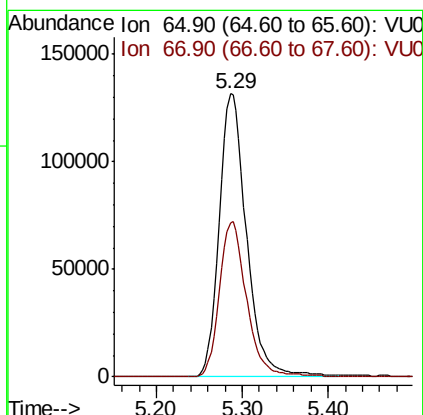
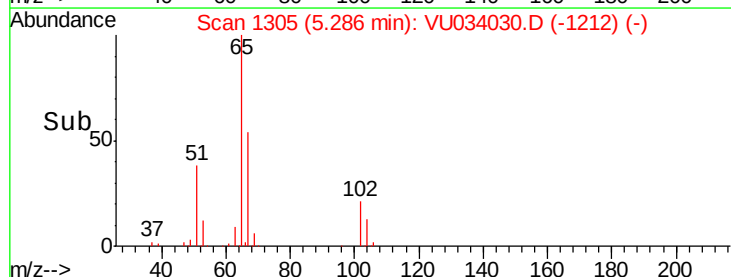
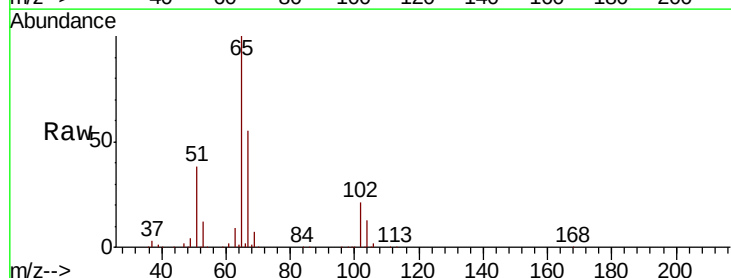
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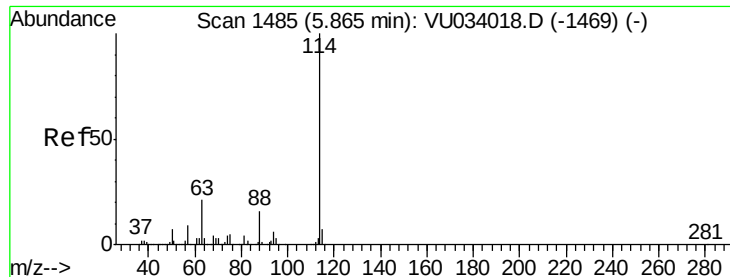
Tgt Ion: 56 Resp: 8629
Ion Ratio Lower Upper
56 100
69 192.6 25.4 38.0#
84 176.5 65.8 98.8#



#33
1,2-Dichloroethane-d4
Concen: 48.620 ug/l
RT: 5.29 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

Tgt Ion: 65 Resp: 291116
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.6

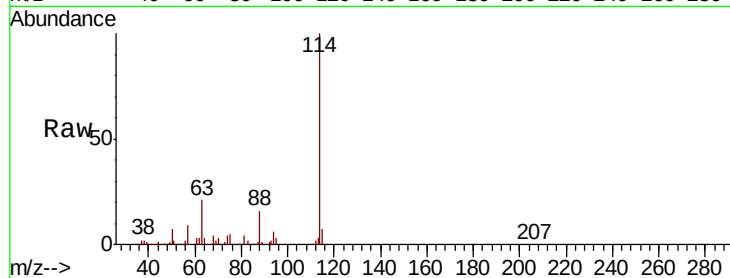




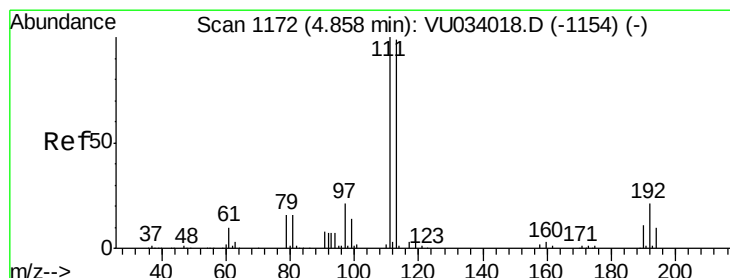
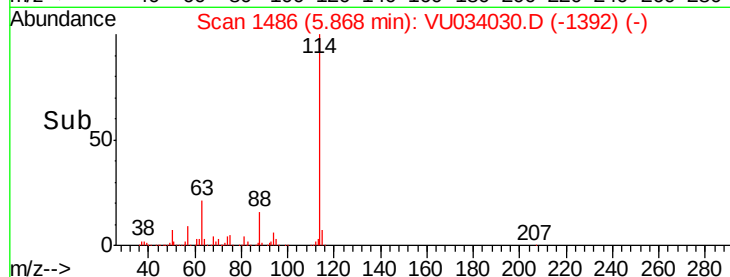
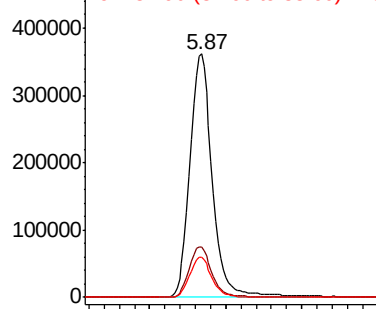
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-4A

Tgt Ion:114 Resp: 741318
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 16.3 0.0 32.0

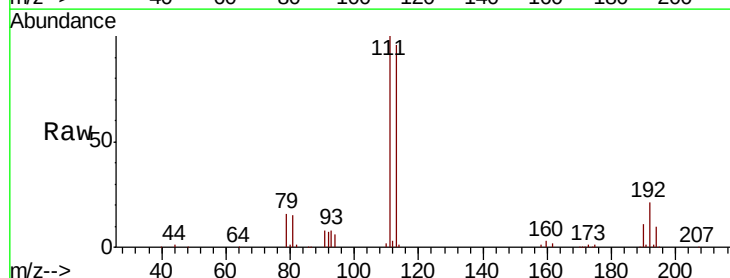


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

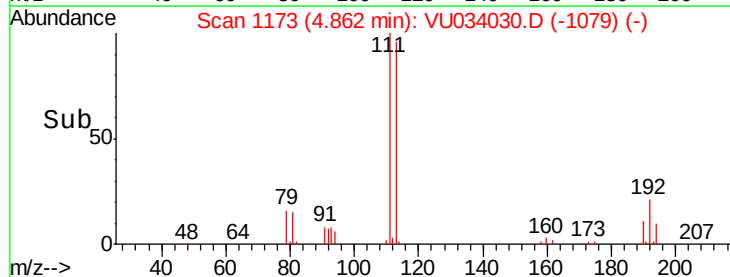
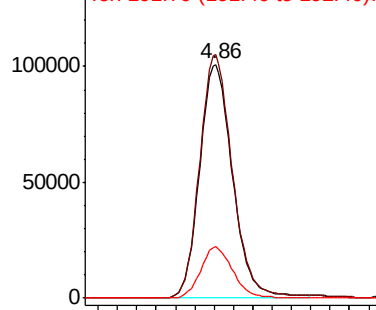


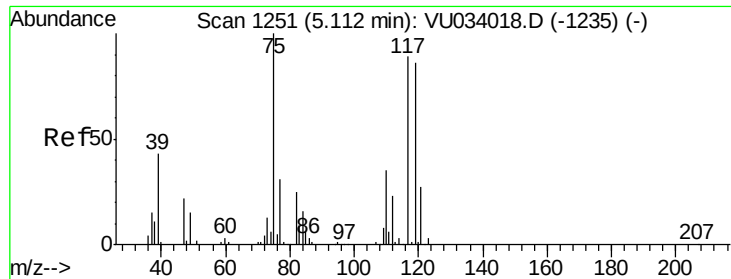
#35
 Dibromofluoromethane
 Concen: 46.583 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Tgt Ion:113 Resp: 239517
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.7 122.5
 192 21.3 17.1 25.7



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

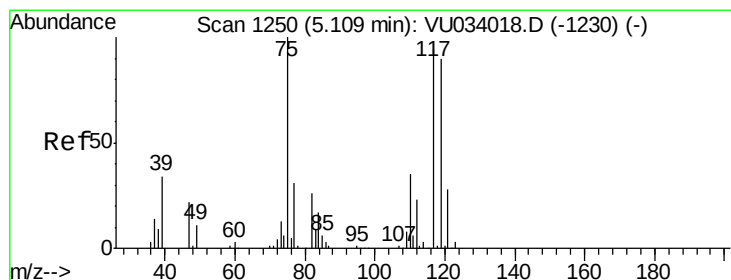
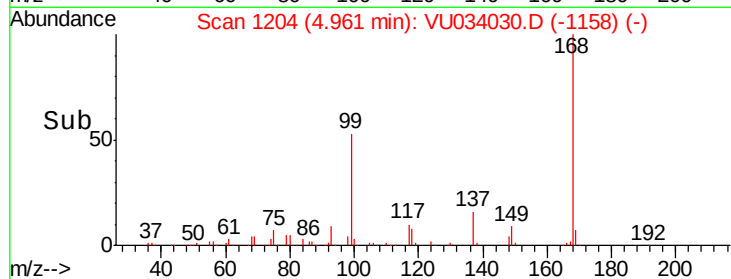
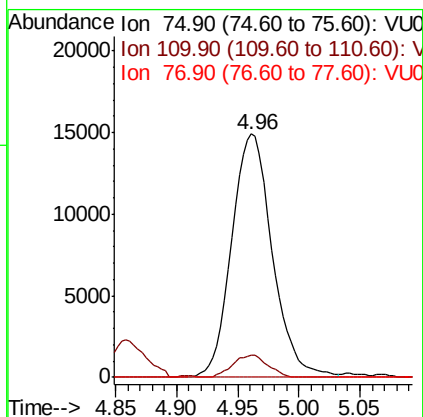
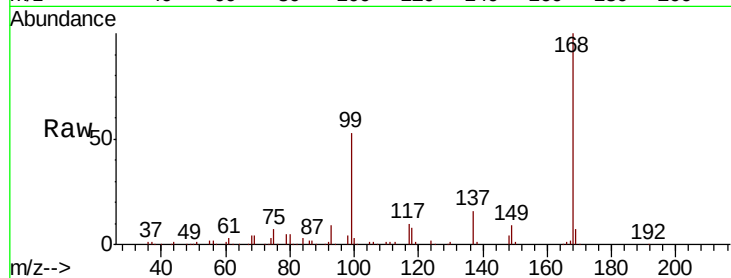




#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

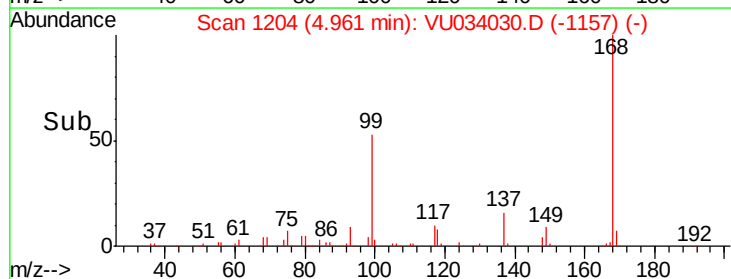
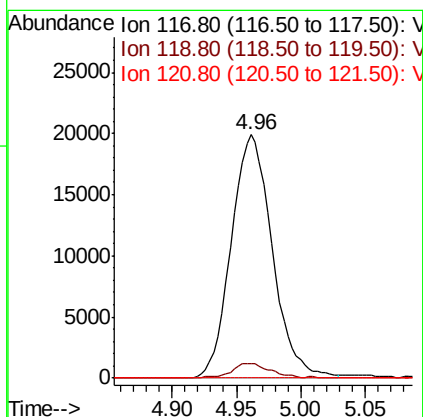
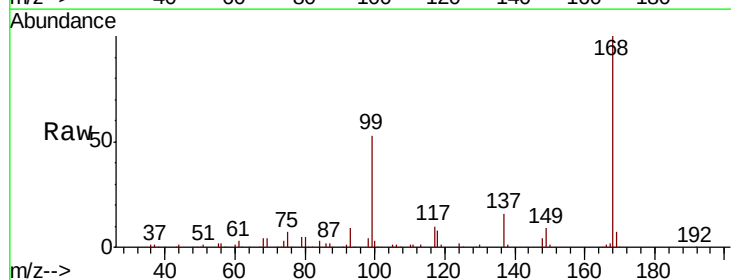
Instrument :
 MSVOA_U
 ClientSampled :
 GW-4A

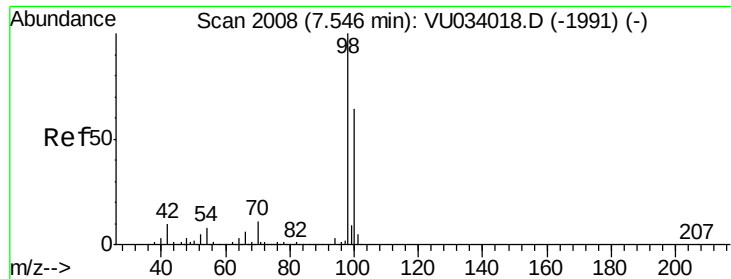
Tgt Ion: 75 Resp: 34386
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.517 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Tgt Ion: 117 Resp: 44106
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.0 115.4#
 121 0.0 23.9 35.9#

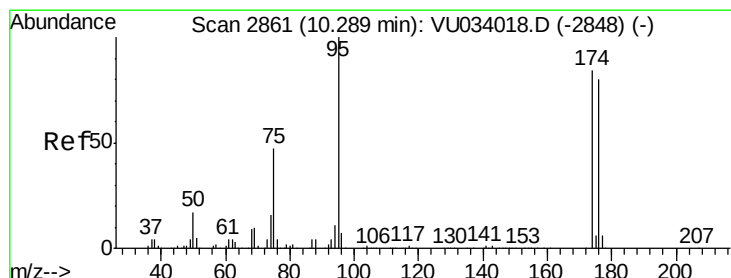
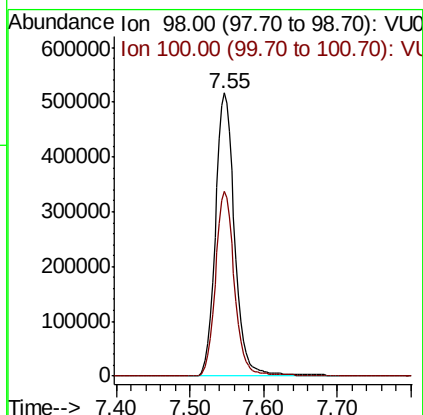
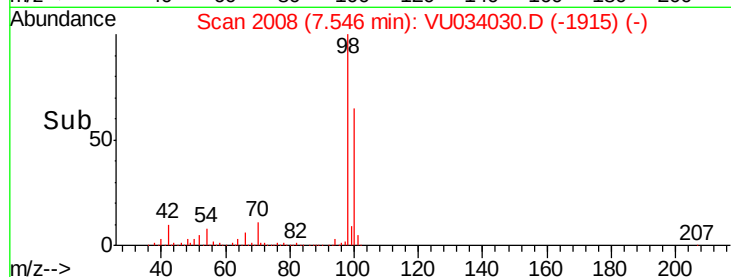
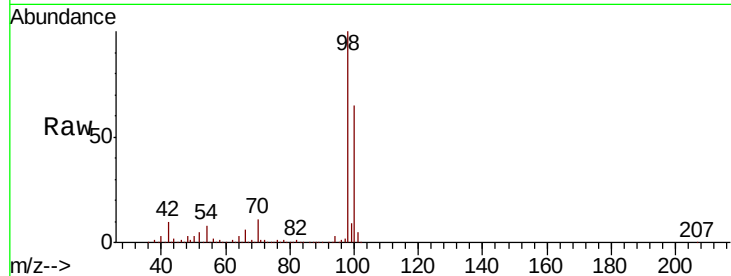




#50
Toluene-d8
Concen: 48.424 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

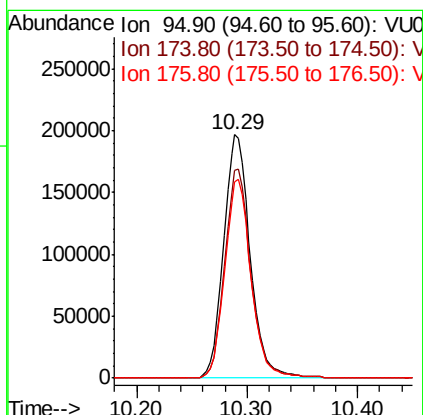
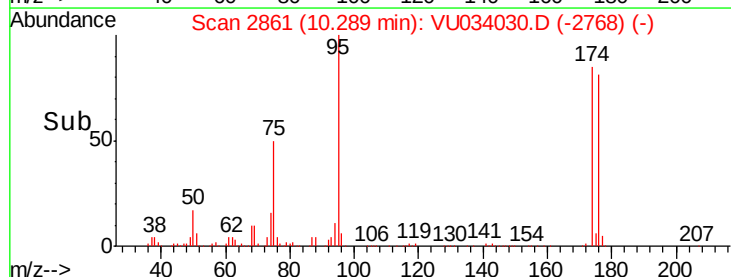
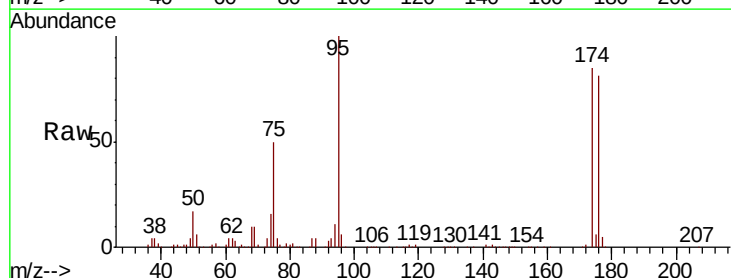
Instrument :
MSVOA_U
ClientSampleId :
GW-4A

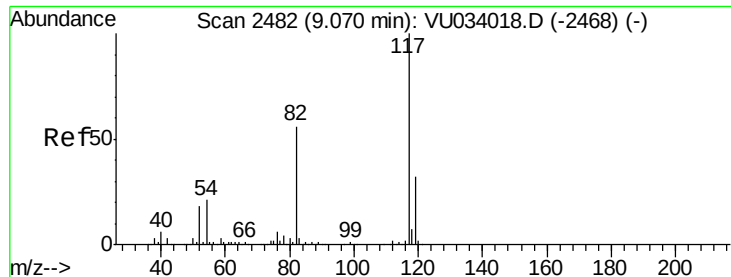
Tgt Ion: 98 Resp: 932288
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.837 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

Tgt Ion: 95 Resp: 328294
Ion Ratio Lower Upper
95 100
174 85.2 0.0 168.8
176 81.4 0.0 161.8

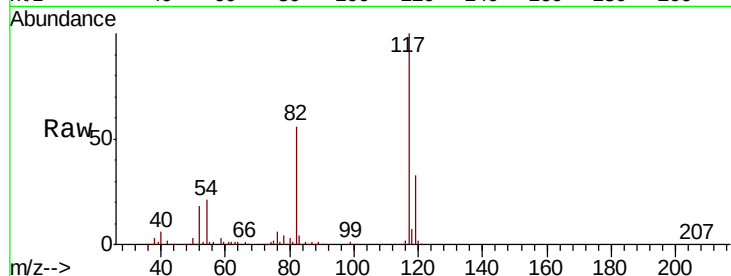




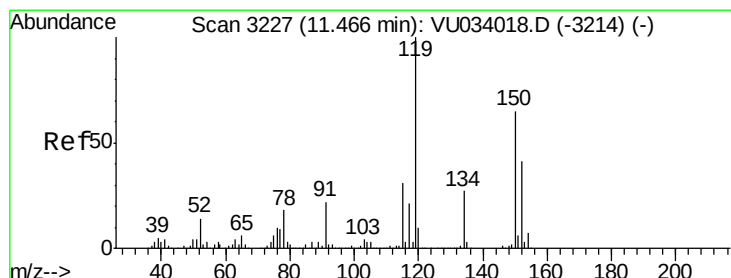
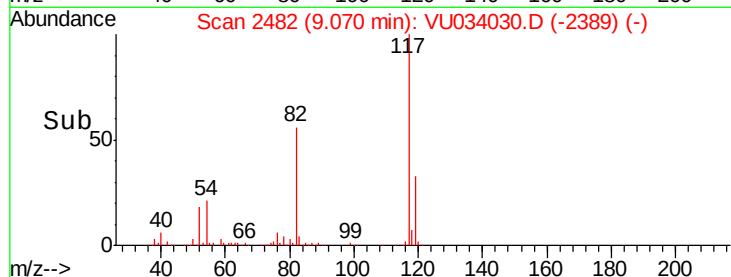
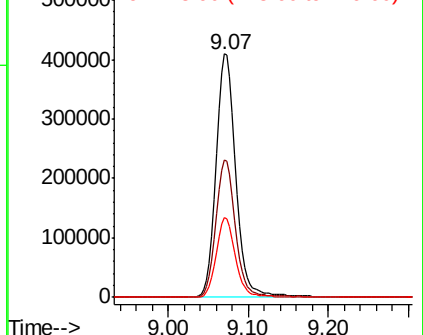
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
GW-4A

Tgt Ion:117 Resp: 706660
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 32.8 25.4 38.0

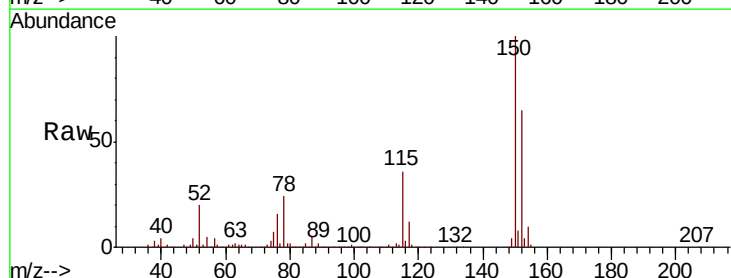


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

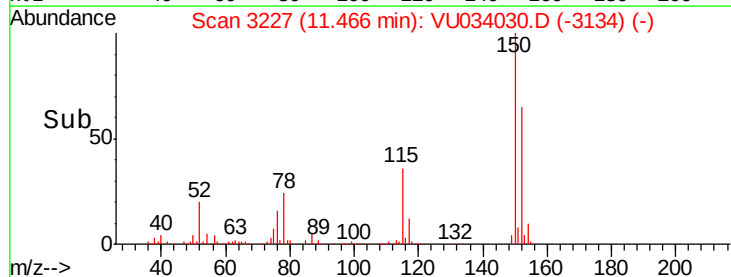
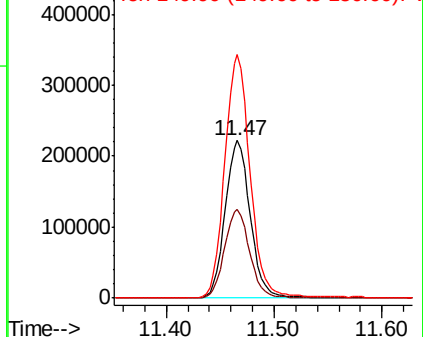


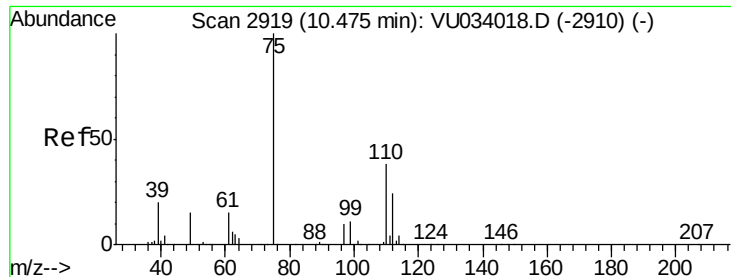
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034030.D
Acq: 28 Aug 2019 18:05

Tgt Ion:152 Resp: 360564
Ion Ratio Lower Upper
152 100
115 56.7 41.1 123.3
150 156.0 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

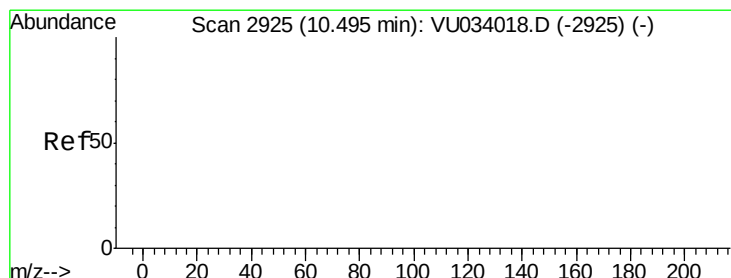
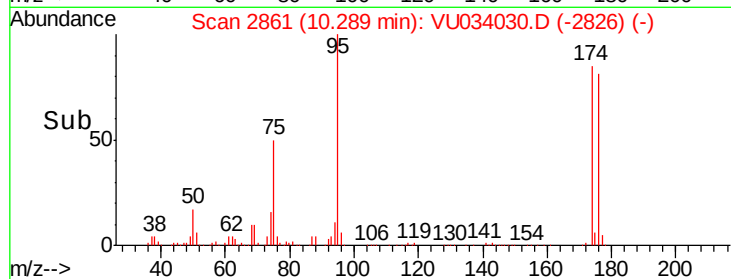
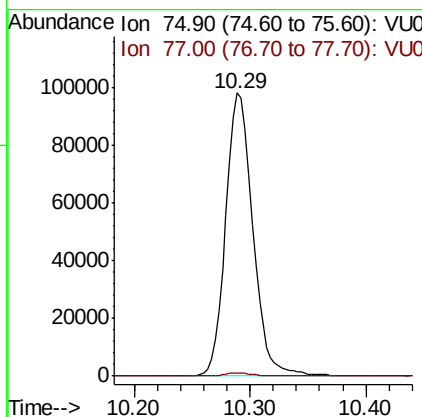
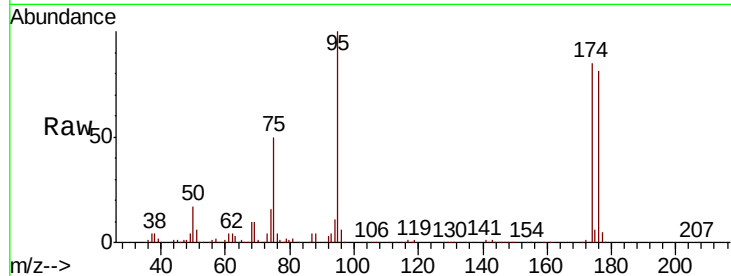




#76
 1,2,3-Trichloropropane
 Concen: 19.684 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

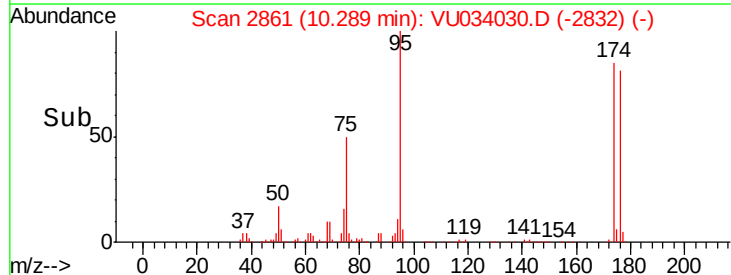
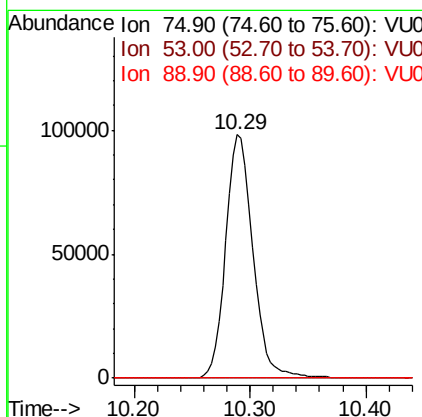
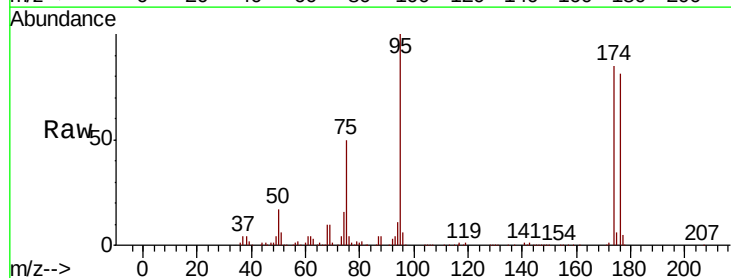
Instrument :
 MSVOA_U
 ClientSampled :
 GW-4A

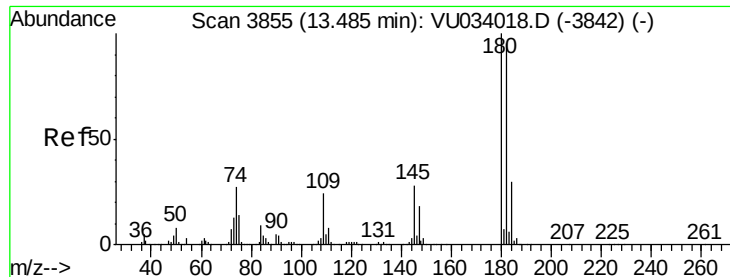
Tgt Ion: 75 Resp: 159961
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.280 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Tgt Ion: 75 Resp: 159961
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

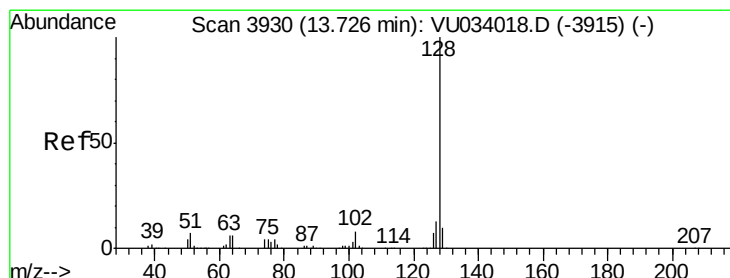
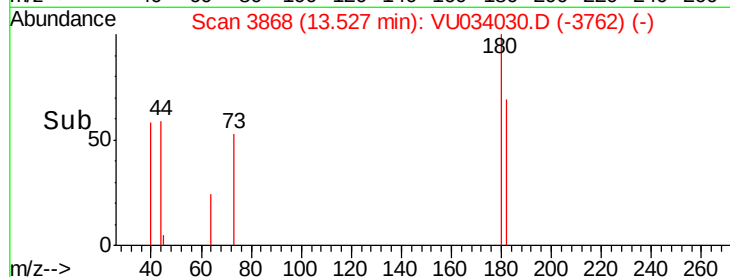
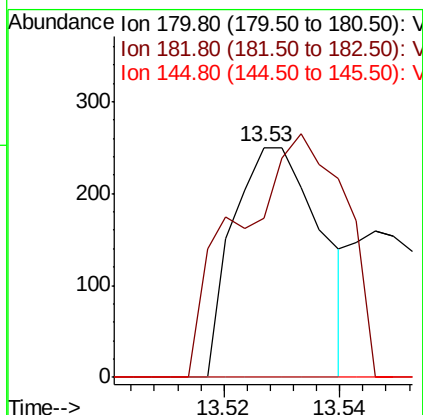
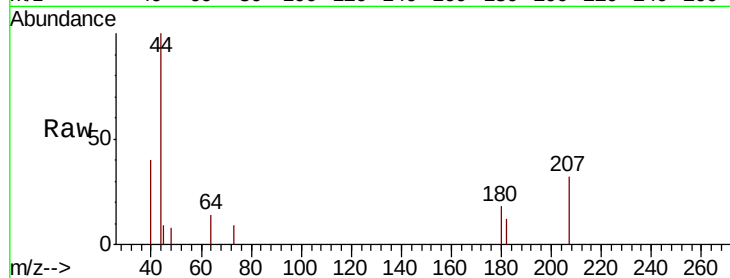




#93
 1,2,4-Trichlorobenzene
 Concen: 1.147 ug/l
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.04 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-4A

Tgt Ion:180 Resp: 263
 Ion Ratio Lower Upper
 180 100
 182 130.0 47.4 142.2
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 1.897 ug/l
 RT: 13.78 min Scan# 3948
 Delta R.T. 0.06 min
 Lab File: VU034030.D
 Acq: 28 Aug 2019 18:05

Tgt Ion:128 Resp: 2500
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 1.6 8.4 12.6#

