

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034094.D
 Acq On : 30 Aug 2019 13:34
 Operator : JC/SP
 Sample : K4555-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4

Quant Time: Aug 31 03:38:30 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	470165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	744737	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	721610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	366815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	290305	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
35) Dibromofluoromethane	4.86	113	241976	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
50) Toluene-d8	7.55	98	944439	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	10.29	95	341501	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	

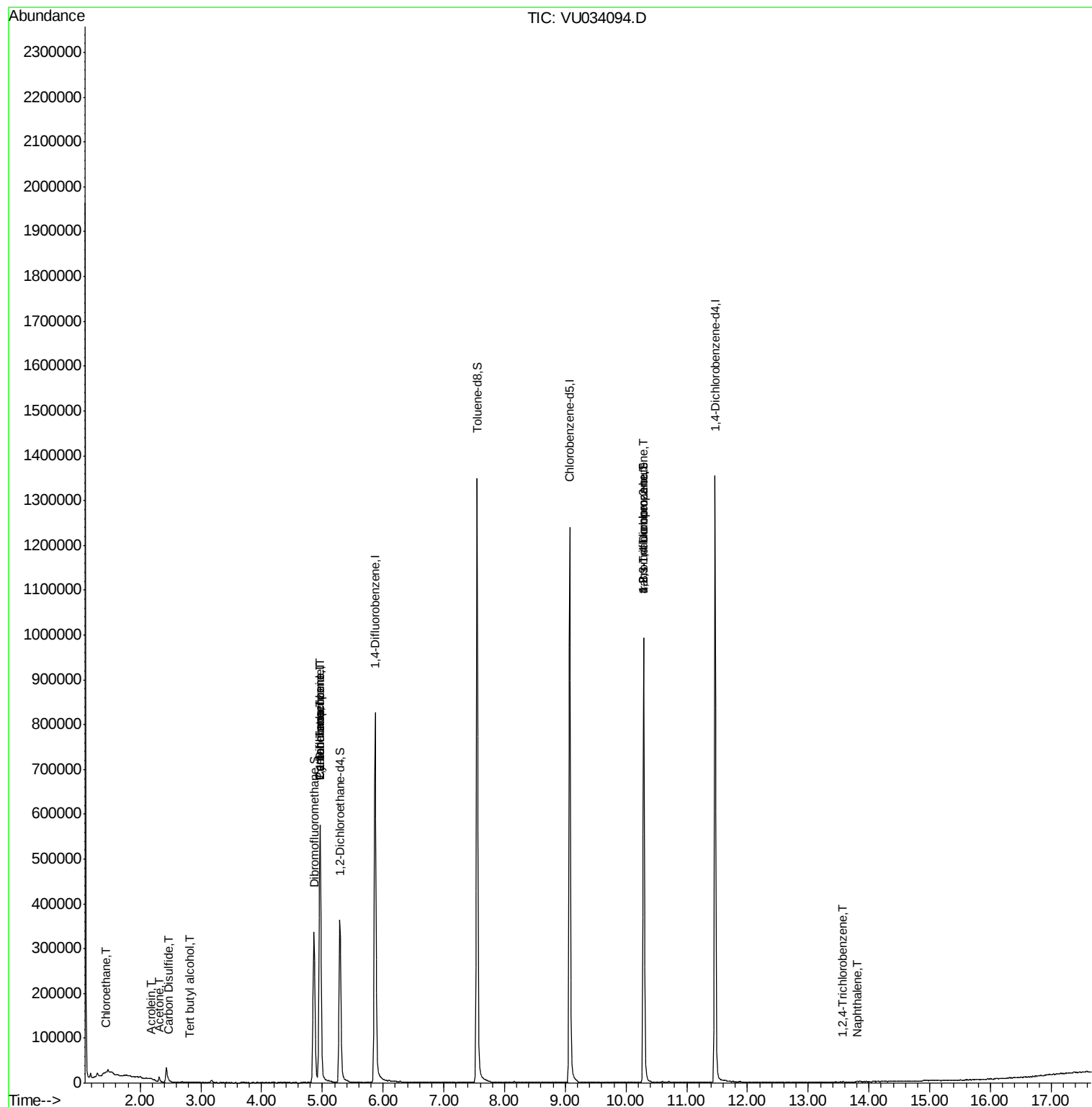
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1590	Below Cal		91
5) Bromomethane	1.59	94	44	Below Cal	#	2
6) Chloroethane	1.43	64	4828	1.255	ug/l #	46
11) Tert butyl alcohol	2.81	59	1071	0.771	ug/l #	73
13) Acrolein	2.19	56	267	0.457	ug/l	86
16) Acetone	2.31	43	10727	3.490	ug/l	100
17) Carbon Disulfide	2.47	76	3759	0.252	ug/l #	89
31) Cyclohexane	4.96	56	8658	0.962	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33135	4.704	ug/l #	49
38) Carbon Tetrachloride	4.96	117	42601	6.265	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	162376	19.641	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	162376	66.135	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.56	180	65	1.122	ug/l #	12
95) Naphthalene	13.80	128	1747	1.863	ug/l #	70

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

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Quant Time: Aug 31 03:38:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
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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: VU034094.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

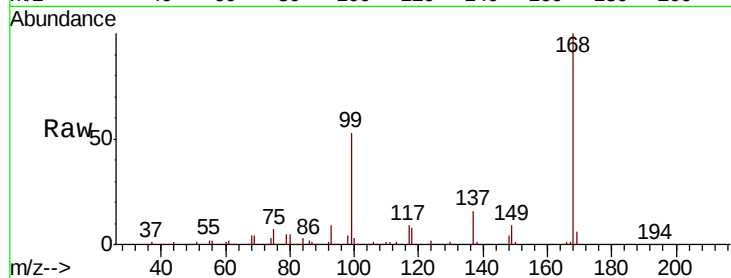
TW-4

Tgt Ion:168 Resp: 470165

Ion Ratio Lower Upper

168 100

99 53.5 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

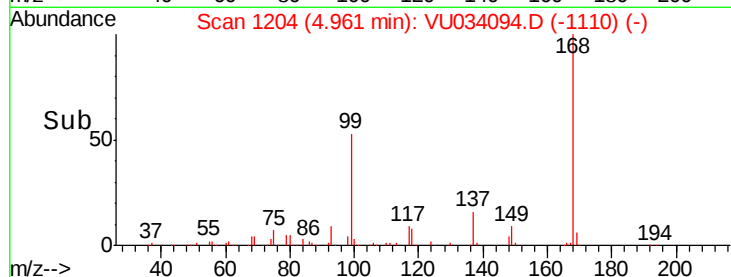
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034094.D

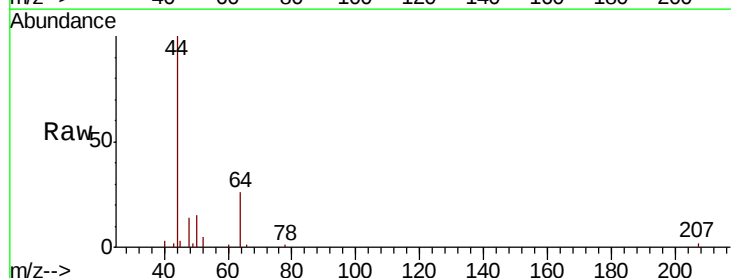
Acq: 30 Aug 2019 13:34

Tgt Ion: 50 Resp: 1590

Ion Ratio Lower Upper

50 100

52 37.7 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) (-)

1.33

1500

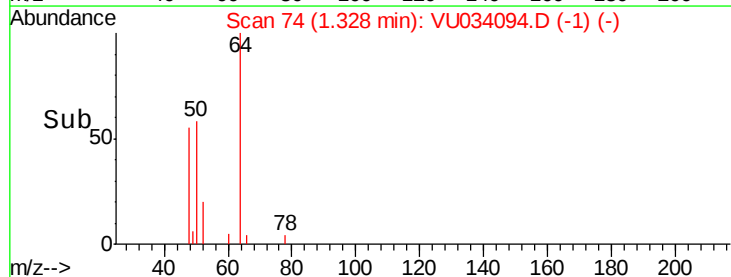
1000

500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VU034094.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampled :

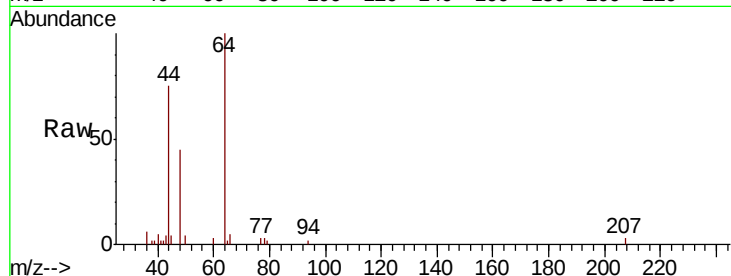
TW-4

Tgt Ion: 94 Resp: 44

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.59

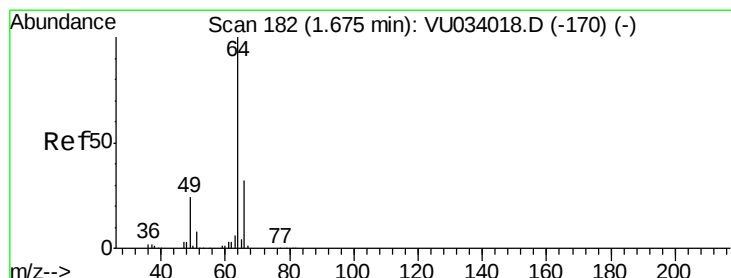
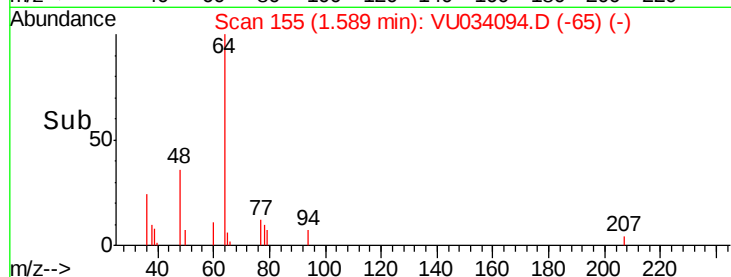
100

50

0

1.58 1.59 1.59 1.60

Time-->



#6

Chloroethane

Concen: 1.255 ug/l

RT: 1.43 min Scan# 106

Delta R.T. -0.24 min

Lab File: VU034094.D

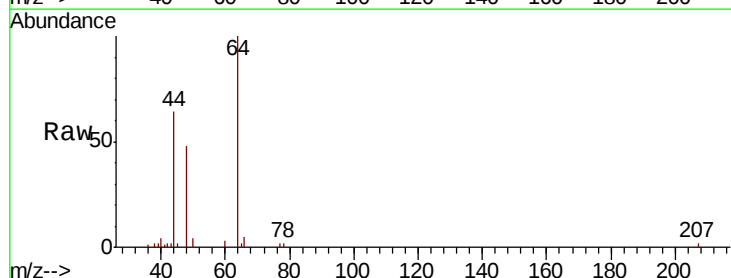
Acq: 30 Aug 2019 13:34

Tgt Ion: 64 Resp: 4828

Ion Ratio Lower Upper

64 100

66 1.6 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

12000

10000

8000

6000

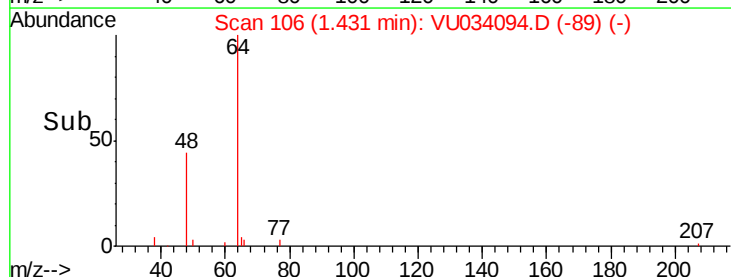
4000

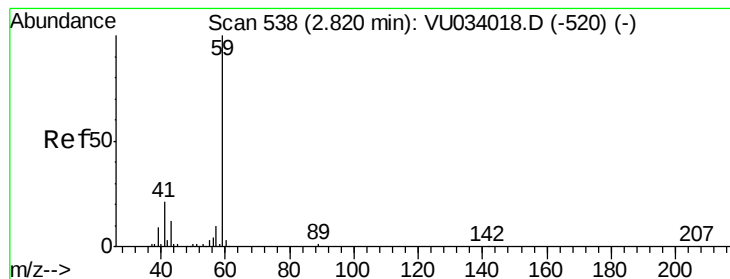
2000

0

1.38 1.40 1.42 1.44

Time-->



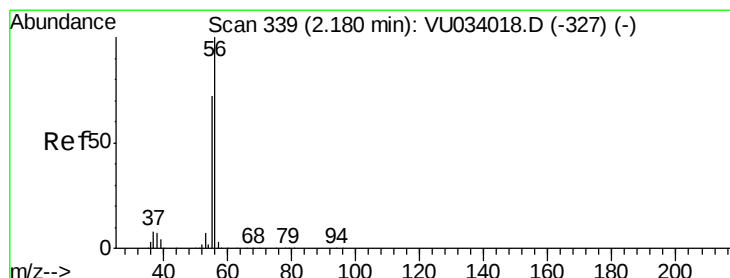
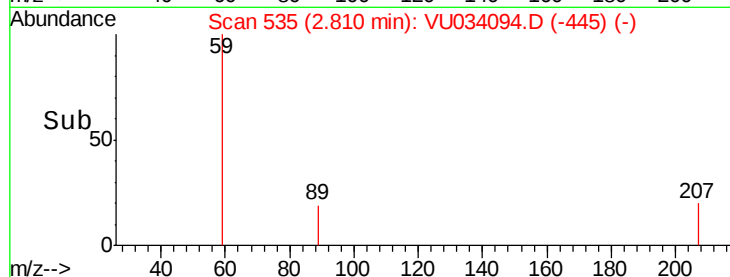
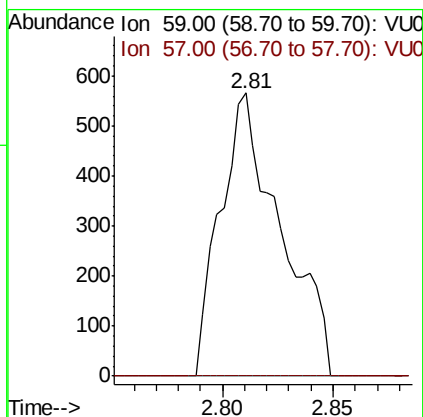
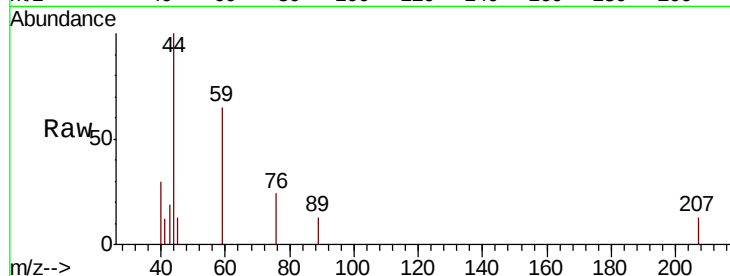


#11

Tert butyl alcohol
Concen: 0.771 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.01 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :
TW-4

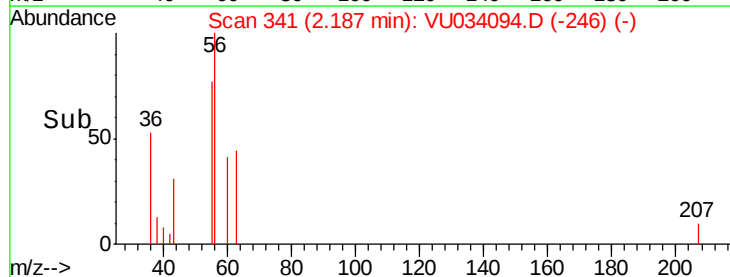
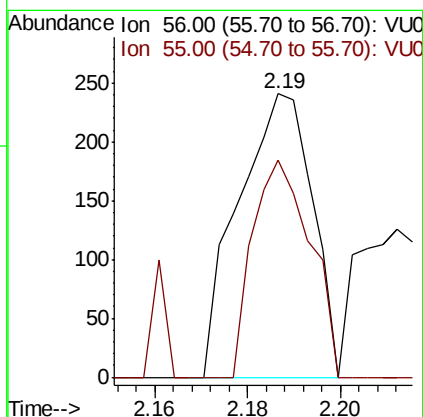
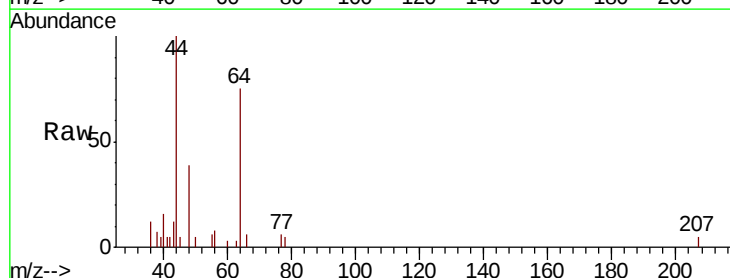
Tgt Ion: 59 Resp: 1071
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

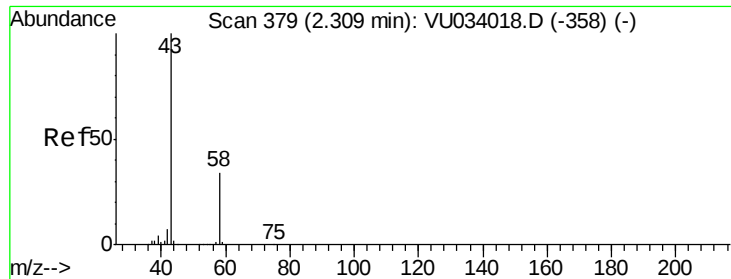


#13

Acrolein
Concen: 0.457 ug/l
RT: 2.19 min Scan# 341
Delta R.T. 0.01 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 59.9 57.1 85.7





#16

Acetone

Concen: 3.490 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034094.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

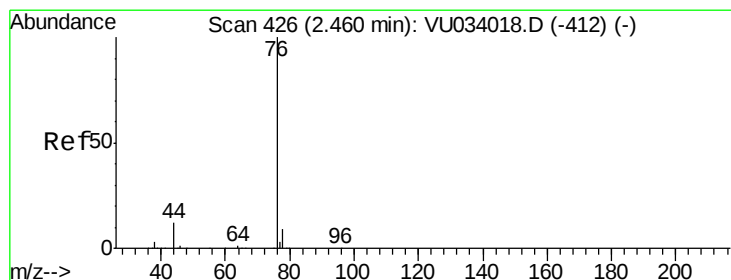
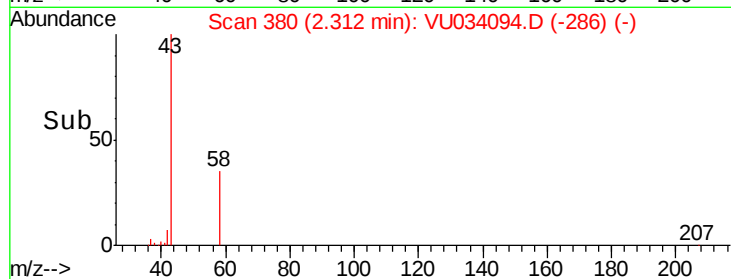
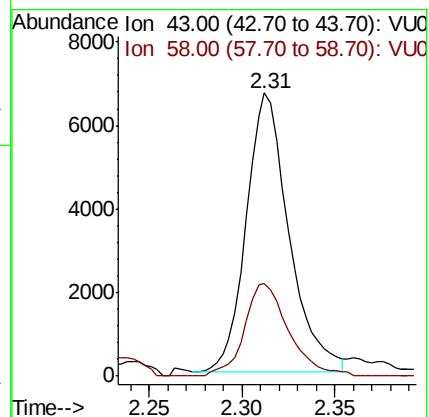
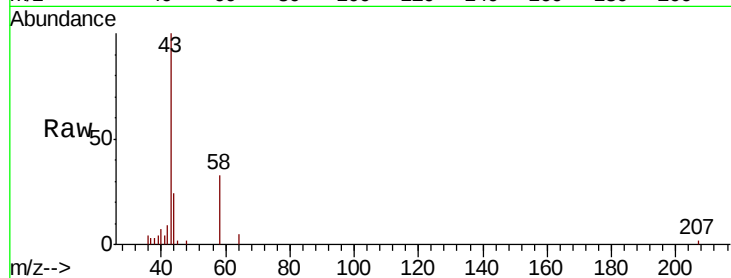
TW-4

Tgt Ion: 43 Resp: 10727

Ion Ratio Lower Upper

43 100

58 33.3 26.8 40.2



#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VU034094.D

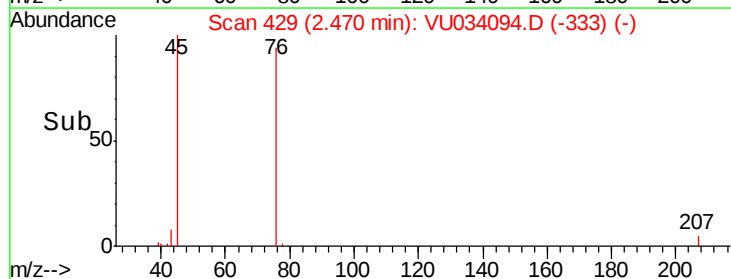
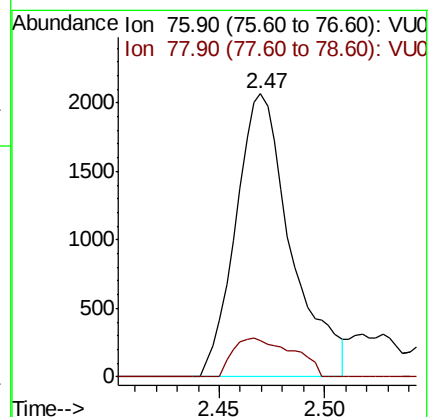
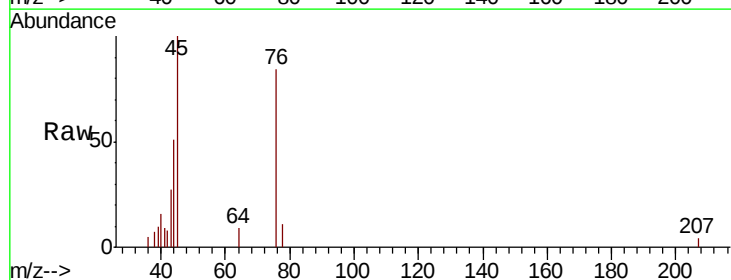
Acq: 30 Aug 2019 13:34

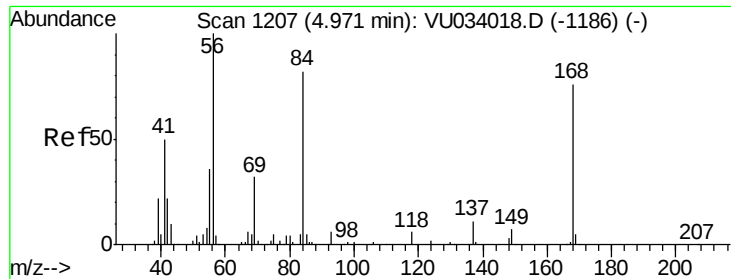
Tgt Ion: 76 Resp: 3759

Ion Ratio Lower Upper

76 100

78 12.8 7.1 10.7#

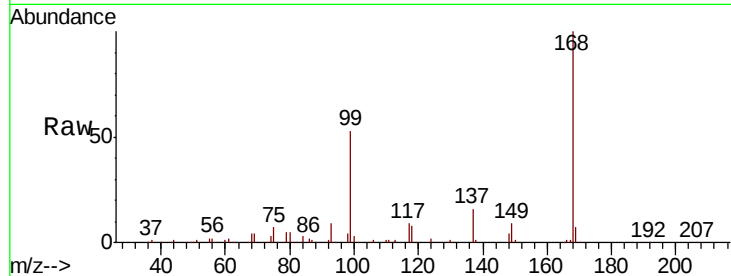




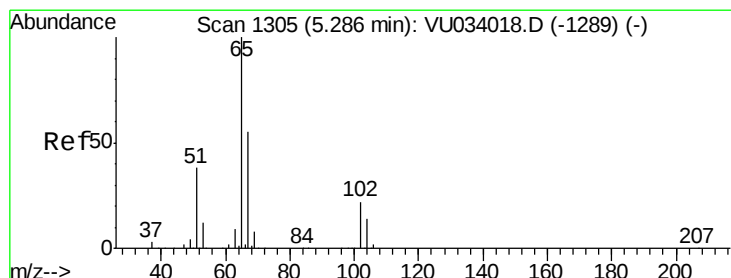
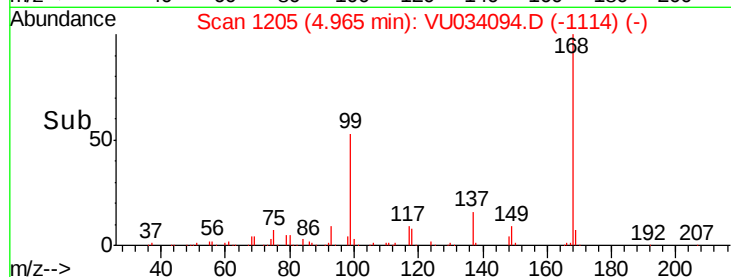
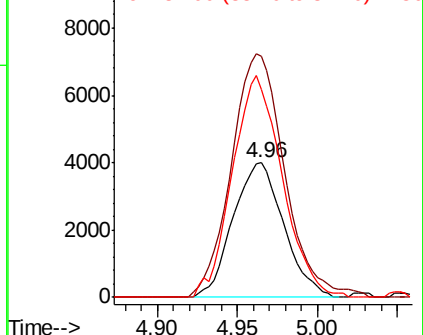
#31
Cyclohexane
Concen: 0.962 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :
TW-4

Tgt Ion: 56 Resp: 8658
Ion Ratio Lower Upper
56 100
69 178.8 25.4 38.0#
84 154.4 65.8 98.8#

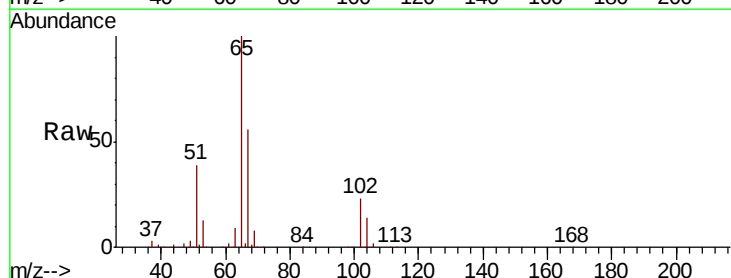


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

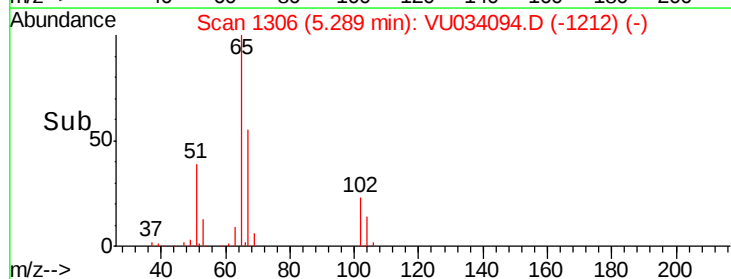
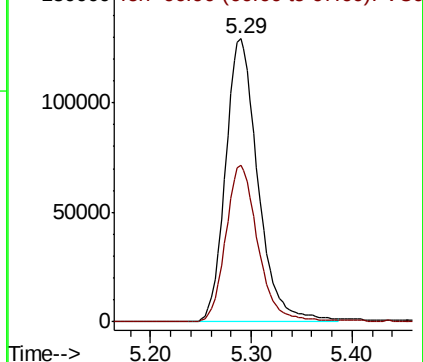


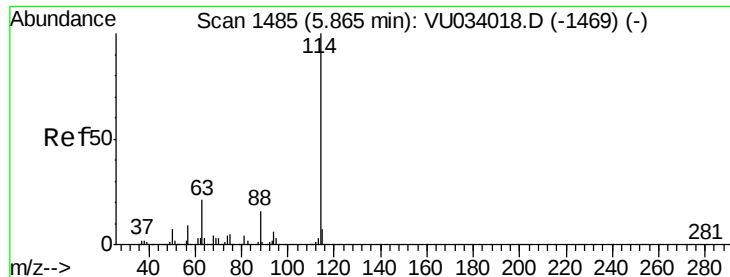
#33
1,2-Dichloroethane-d4
Concen: 48.188 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Tgt Ion: 65 Resp: 290305
Ion Ratio Lower Upper
65 100
67 55.1 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: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034094.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

TW-4

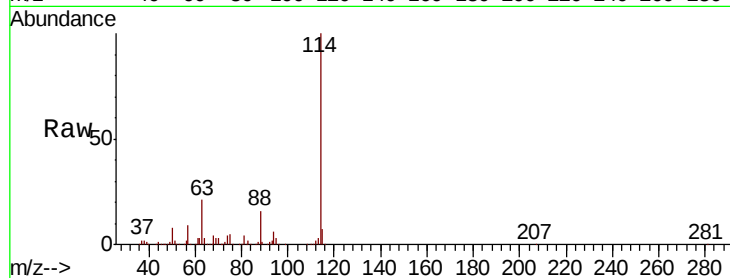
Tgt Ion:114 Resp: 744737

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

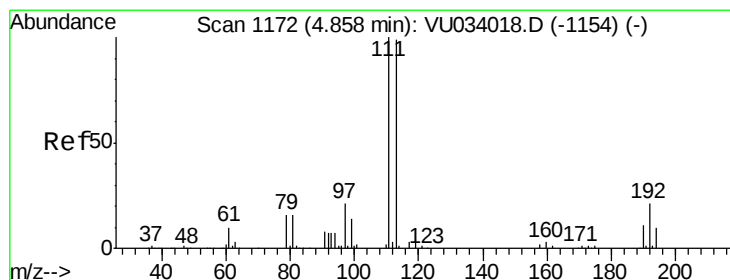
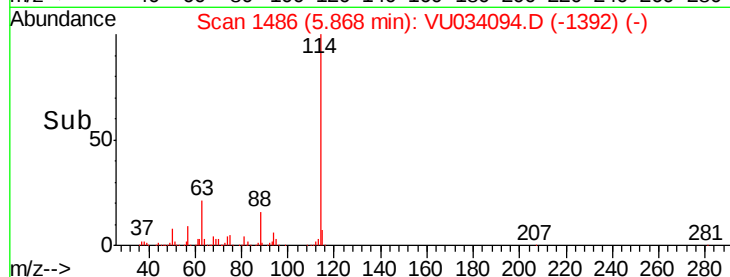
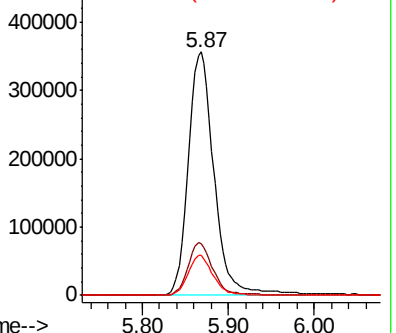
88 16.3 0.0 32.0



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: 46.845 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034094.D

Acq: 30 Aug 2019 13:34

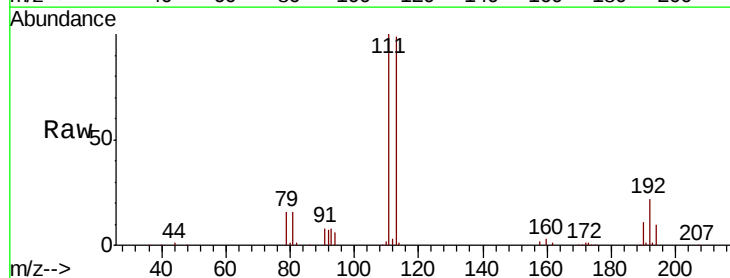
Tgt Ion:113 Resp: 241976

Ion Ratio Lower Upper

113 100

111 102.0 81.7 122.5

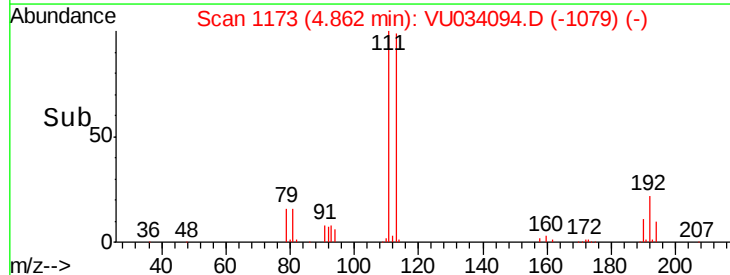
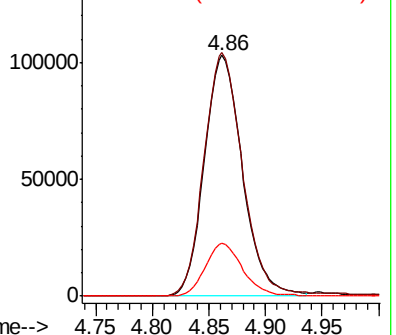
192 21.6 17.1 25.7

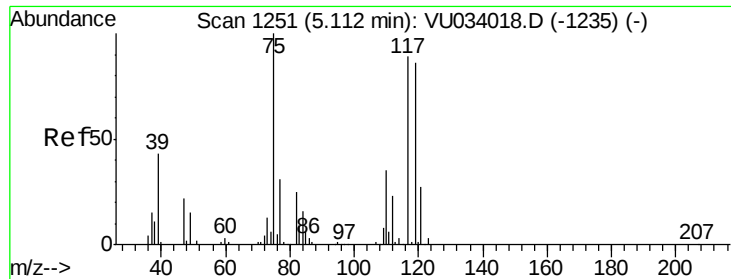


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

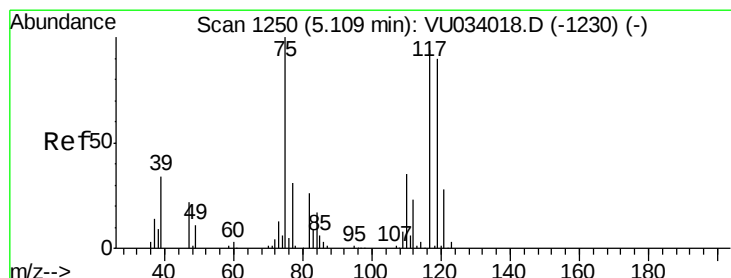
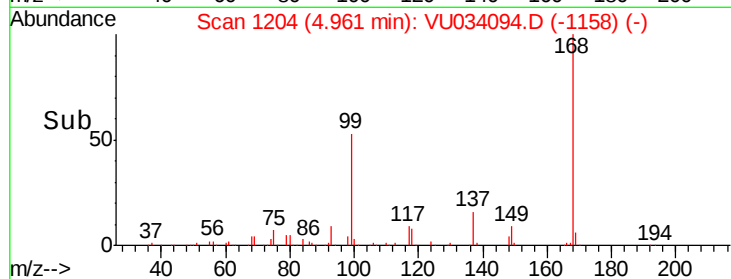
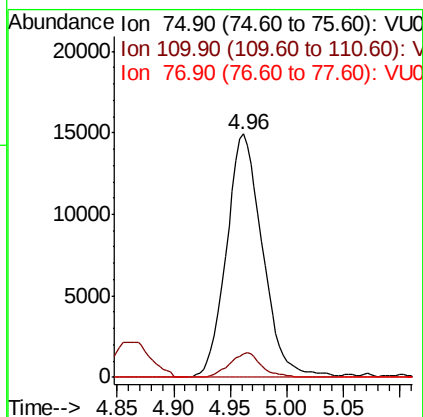
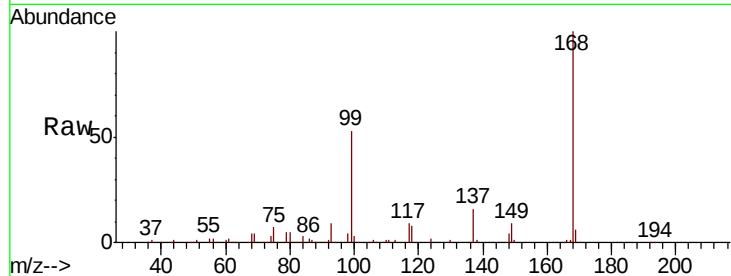




#36
 1,1-Dichloropropene
 Concen: 4.704 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

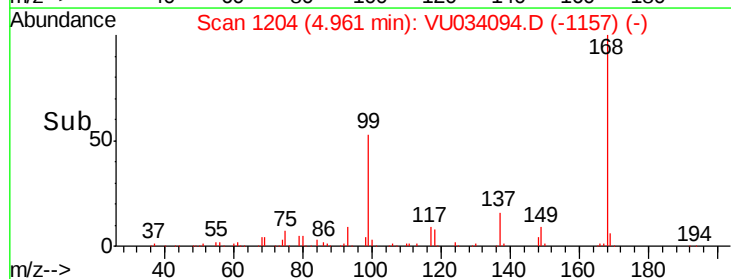
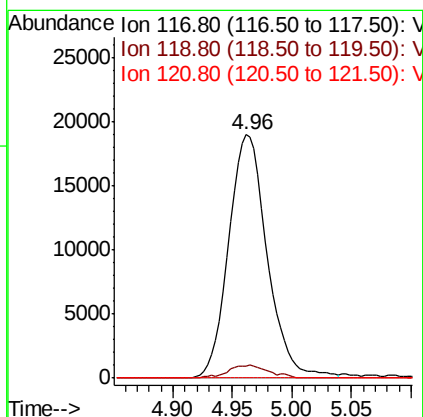
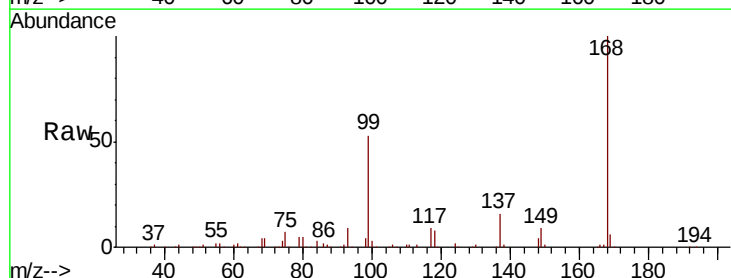
Instrument :
 MSVOA_U
 ClientSampled :
 TW-4

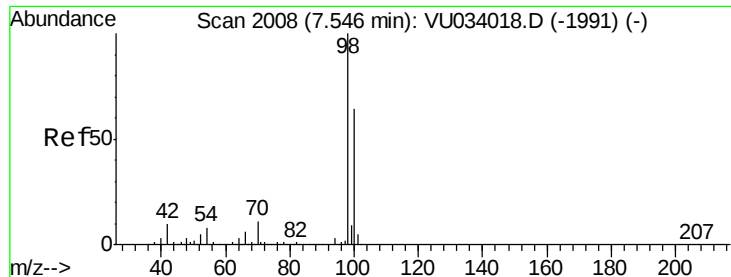
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.265 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.0	115.4#
121	0.0	23.9	35.9#

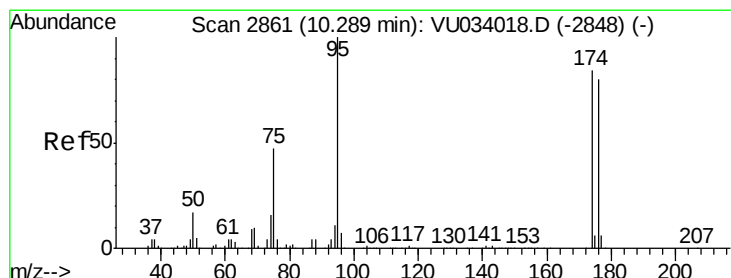
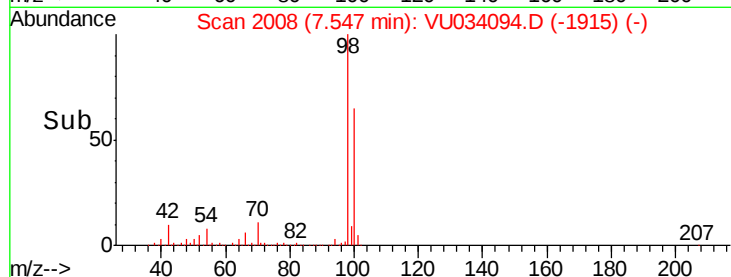
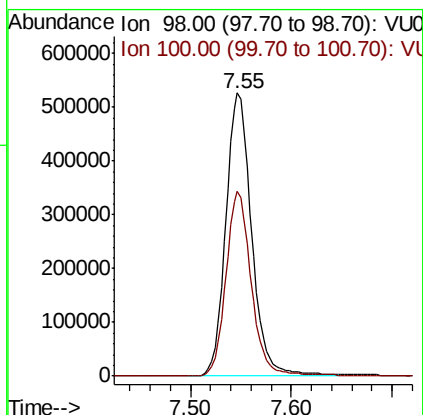
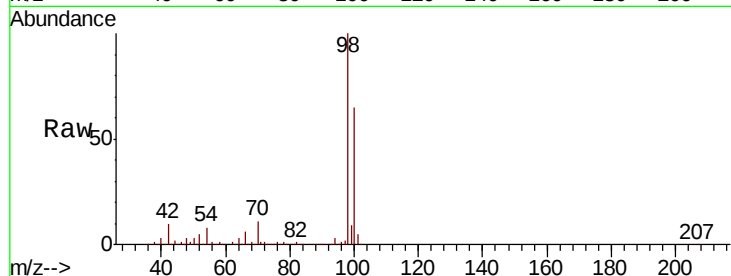




#50
Toluene-d8
Concen: 48.830 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

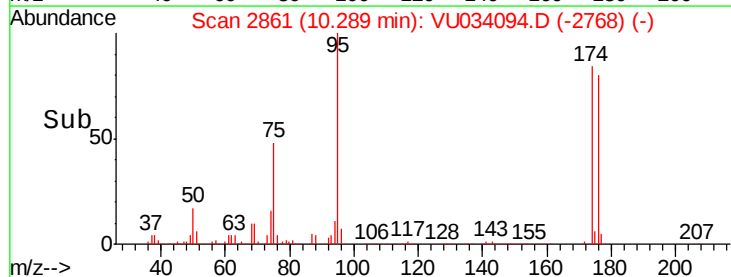
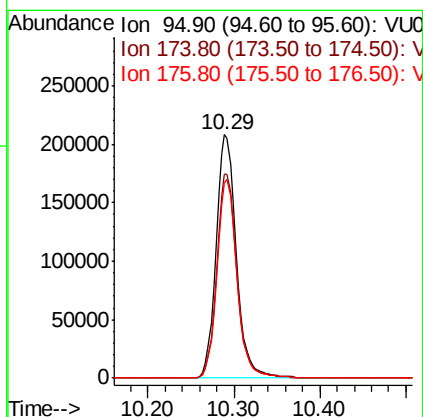
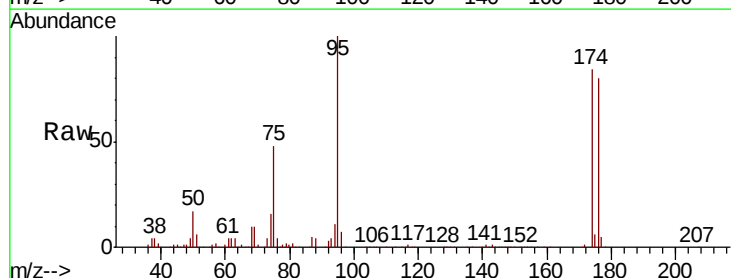
Instrument :
MSVOA_U
ClientSampleId :
TW-4

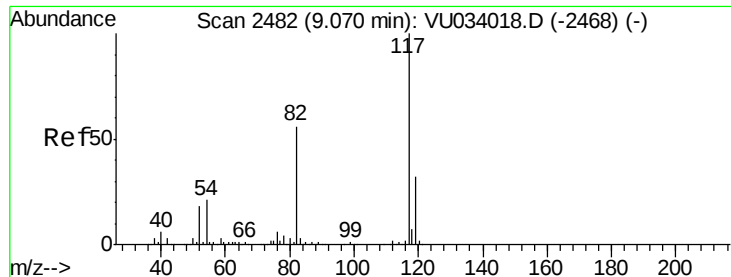
Tgt Ion: 98 Resp: 944439
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.391 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Tgt Ion: 95 Resp: 341501
Ion Ratio Lower Upper
95 100
174 83.6 0.0 168.8
176 81.0 0.0 161.8

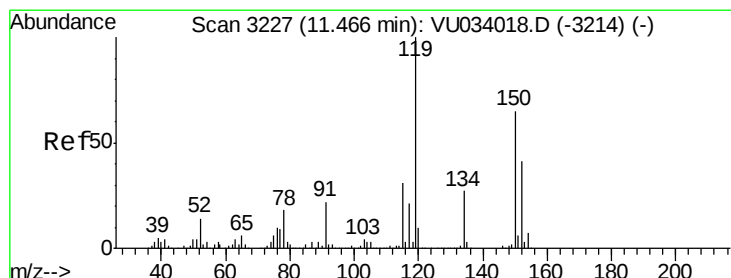
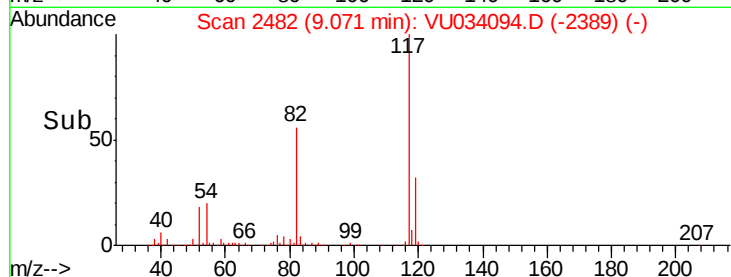
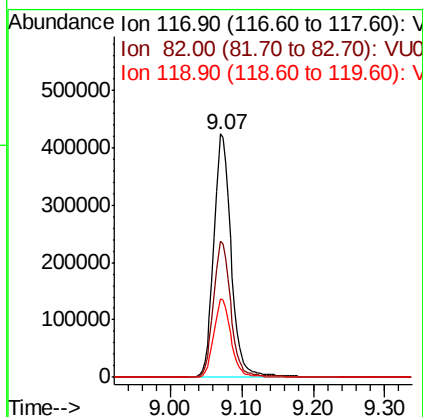
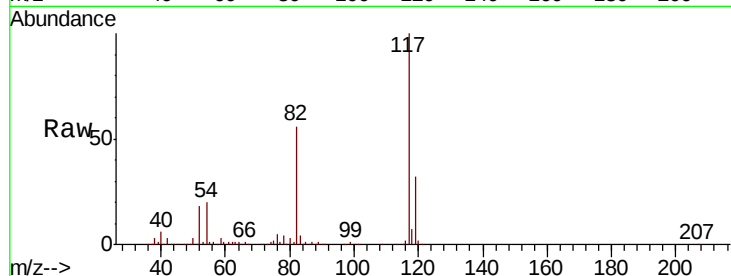




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

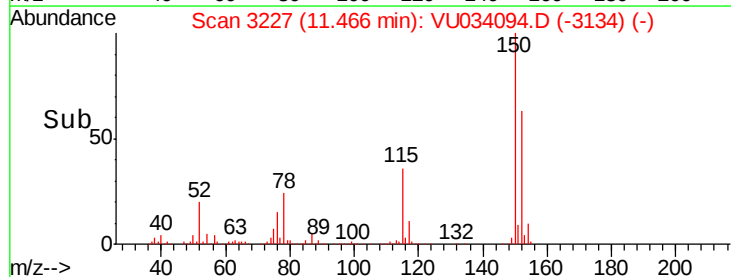
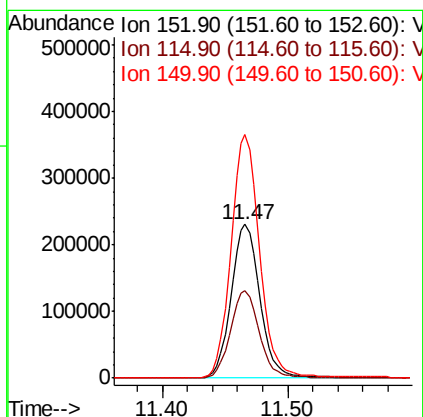
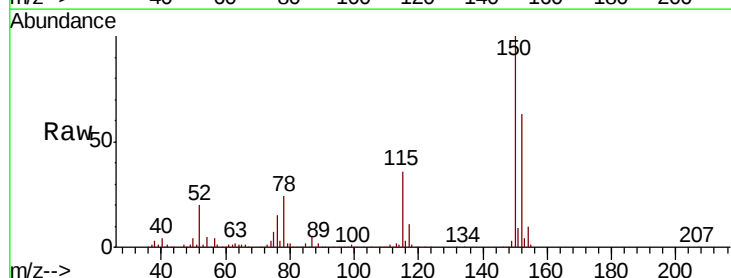
Instrument :
MSVOA_U
ClientSampled :
TW-4

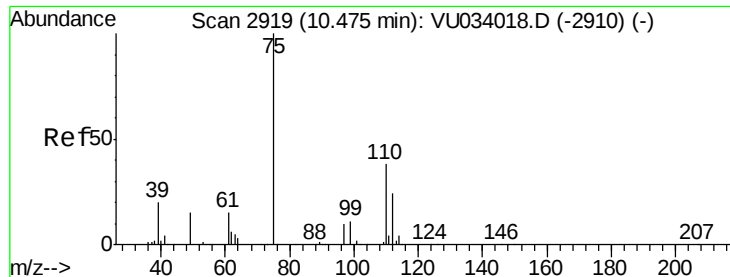
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.1	67.7
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034094.D
Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	41.1	123.3
150	157.7	0.0	348.8

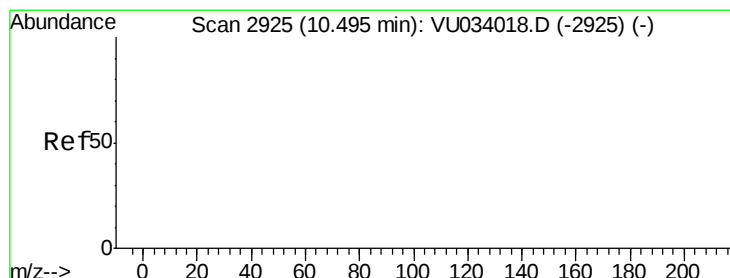
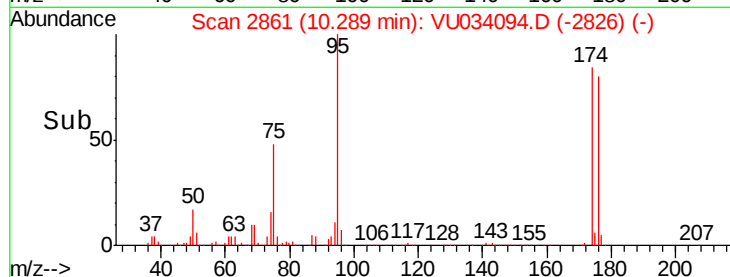
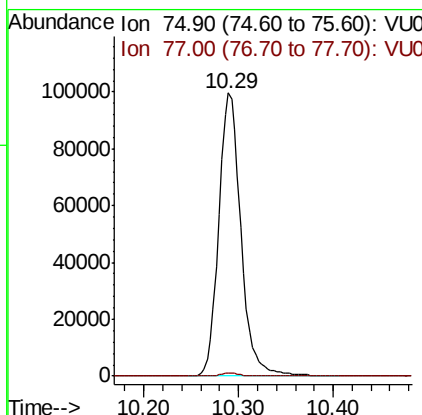
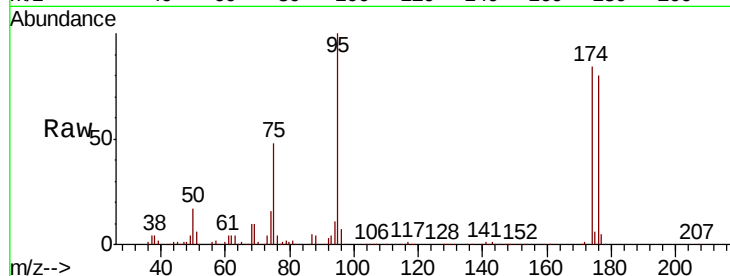




#76
 1,2,3-Trichloropropane
 Concen: 19.641 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

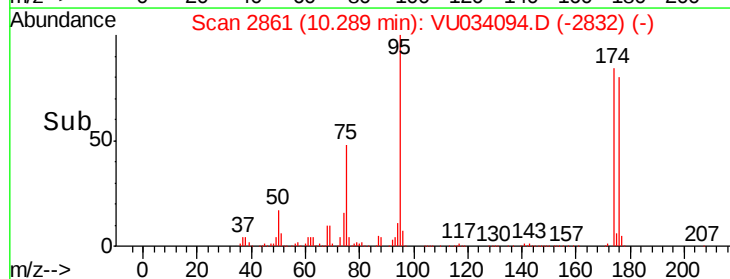
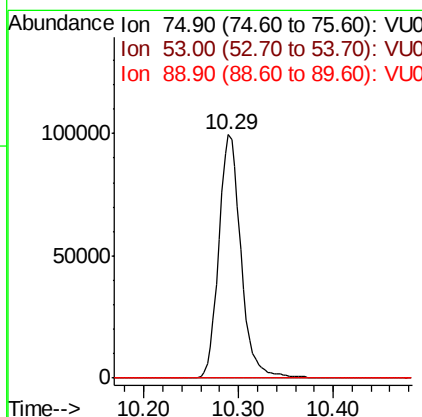
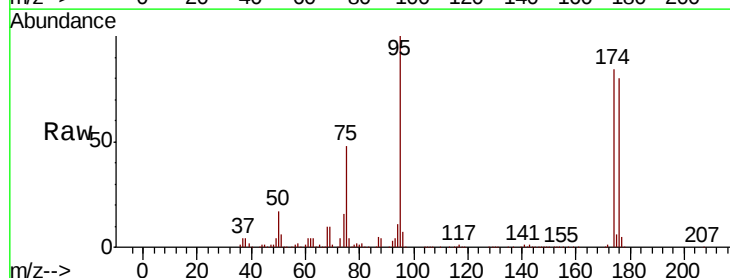
Instrument :
 MSVOA_U
 ClientSampled :
 TW-4

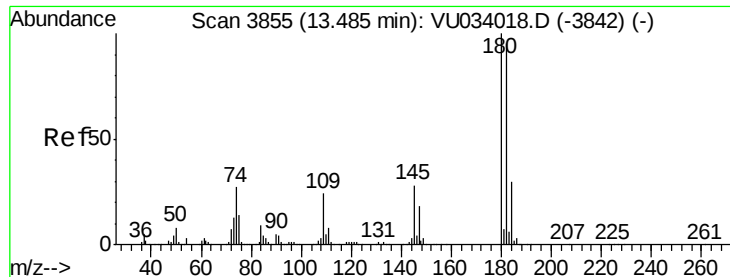
Tgt Ion: 75 Resp: 162376
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.135 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

Tgt Ion: 75 Resp: 162376
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

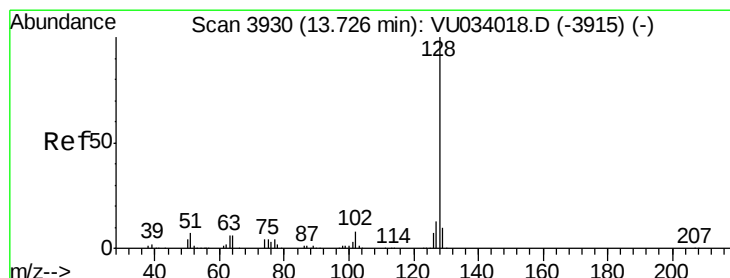
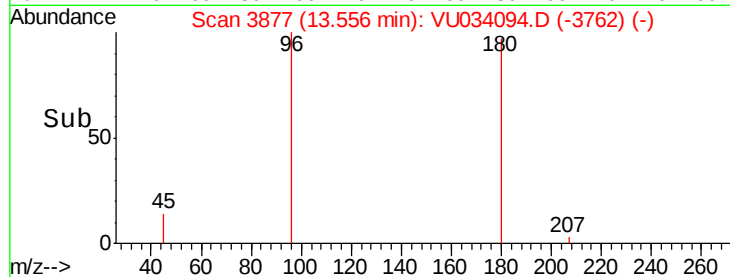
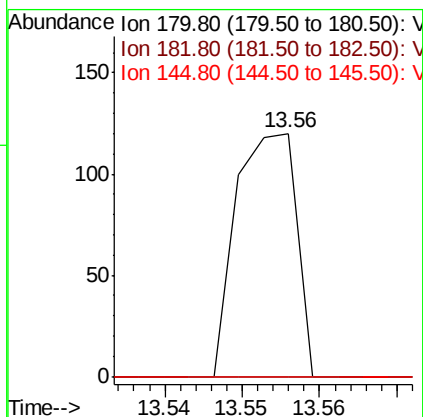
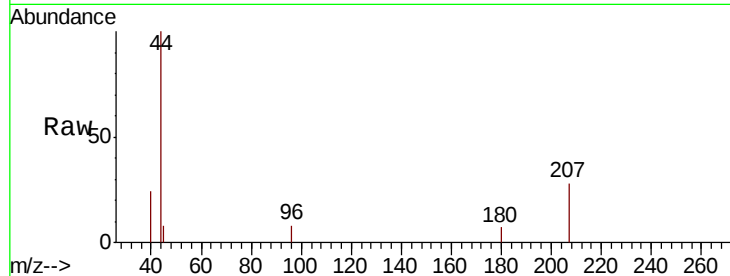




#93
 1,2,4-Trichlorobenzene
 Concen: 1.122 ug/l
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.07 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	14.1	42.3#



#95
 Naphthalene
 Concen: 1.863 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.07 min
 Lab File: VU034094.D
 Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.4	12.6#

