

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034087.D
 Acq On : 30 Aug 2019 10:52
 Operator : JC/SP
 Sample : K4555-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-4

Quant Time: Aug 31 03:37:28 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	452570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	730300	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	709338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	348098	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	290867	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	4.86	113	244073	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
50) Toluene-d8	7.55	98	933570	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	10.29	95	324797	44.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.04%	

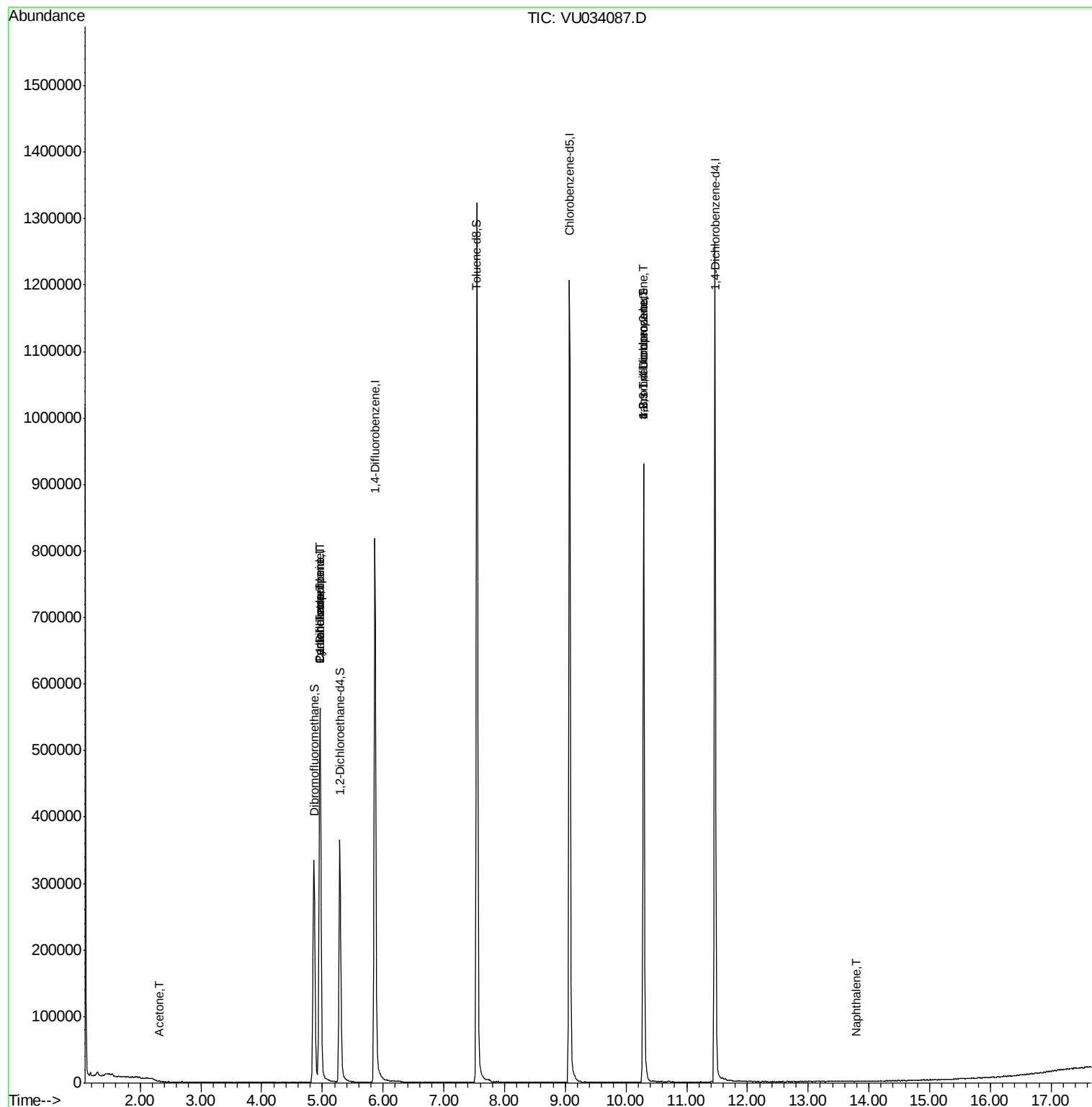
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	770	Below Cal		95
5) Bromomethane	1.63	94	760	Below Cal		100
16) Acetone	2.32	43	1590	0.537	ug/l	92
31) Cyclohexane	4.96	56	8510	0.983	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	32540	4.711	ug/l #	49
38) Carbon Tetrachloride	4.96	117	41628	6.243	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	156405	19.936	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	156405	67.128	ug/l #	100
95) Naphthalene	13.80	128	20	1.791	ug/l #	70

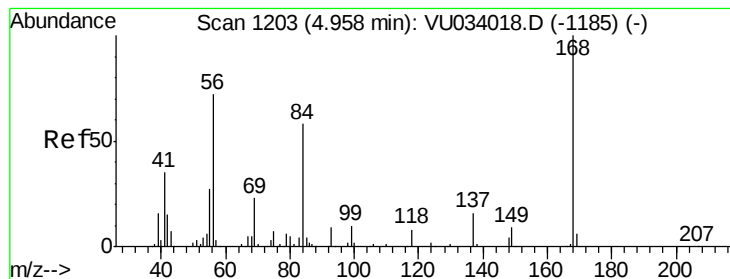
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

Instrument :

MSVOA_U

ClientSampleId :

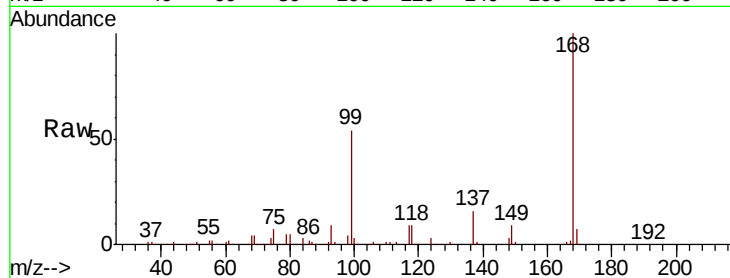
TB-4

Tgt Ion:168 Resp: 452570

Ion Ratio Lower Upper

168 100

99 53.7 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

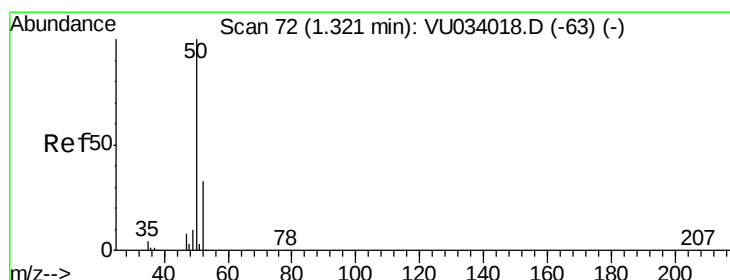
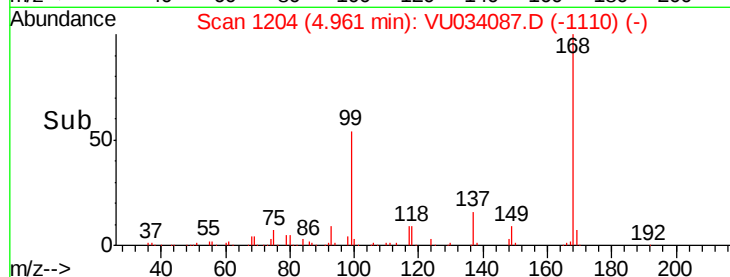
100000

50000

0

4.90 5.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034087.D

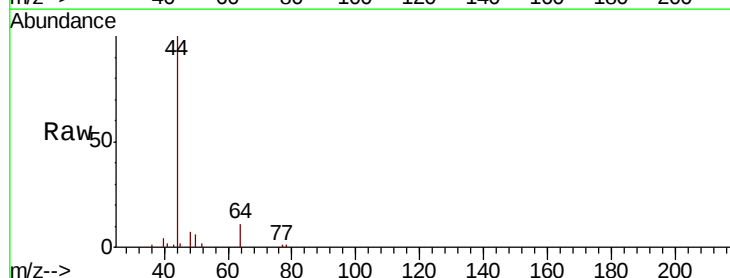
Acq: 30 Aug 2019 10:52

Tgt Ion: 50 Resp: 770

Ion Ratio Lower Upper

50 100

52 29.7 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

600

500

400

300

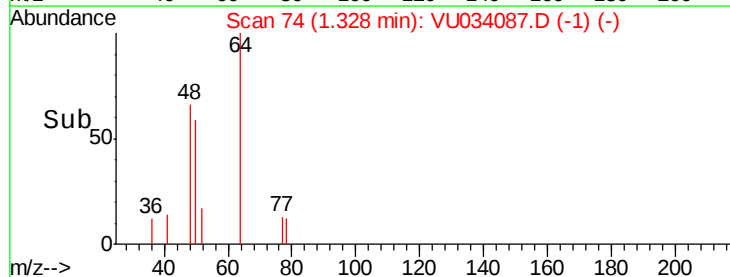
200

100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

Instrument :

MSVOA_U

ClientSampleId :

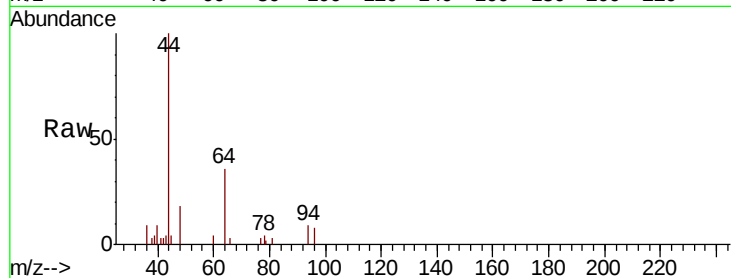
TB-4

Tgt Ion: 94 Resp: 760

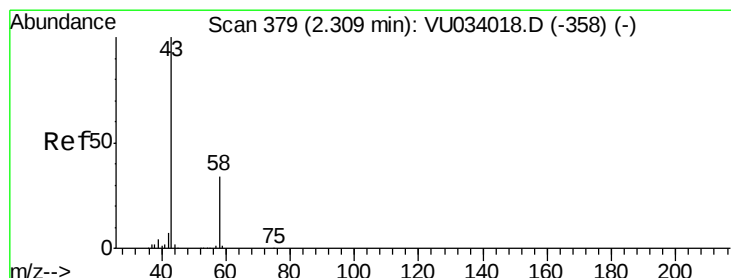
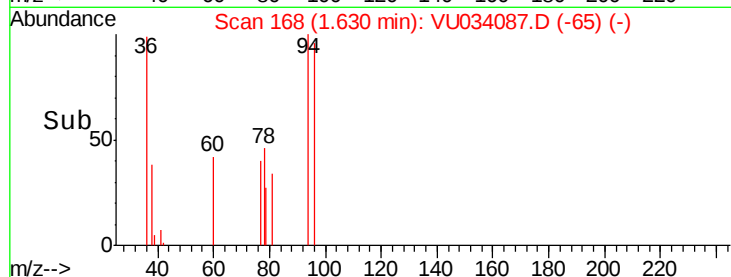
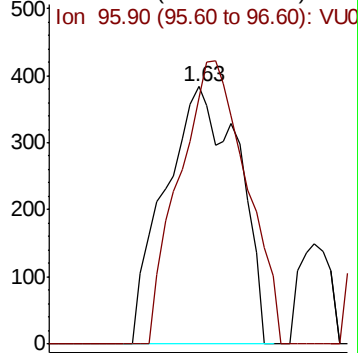
Ion Ratio Lower Upper

94 100

96 95.8 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034087.D (-168) (-)



#16

Acetone

Concen: 0.537 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034087.D

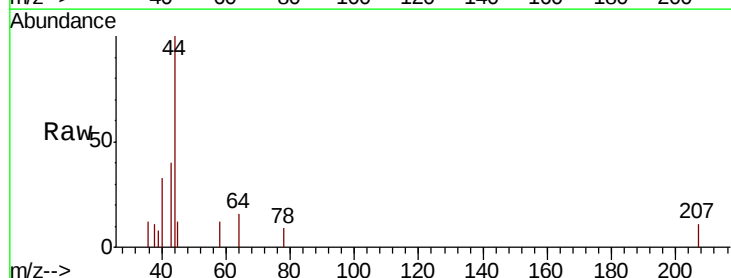
Acq: 30 Aug 2019 10:52

Tgt Ion: 43 Resp: 1590

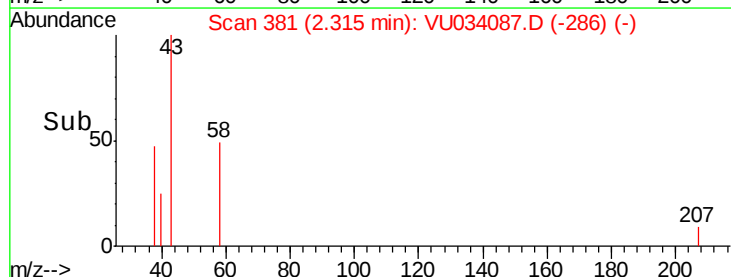
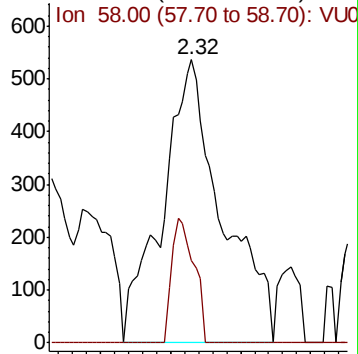
Ion Ratio Lower Upper

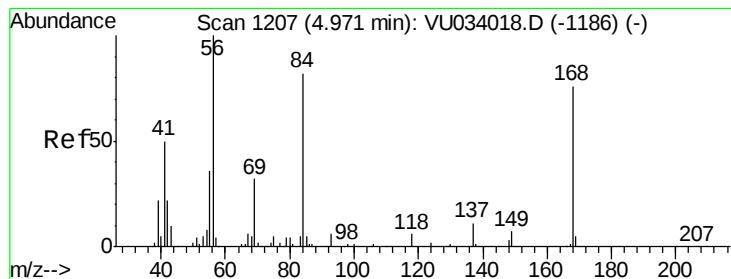
43 100

58 29.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034087.D (-381) (-)





#31

Cyclohexane

Concen: 0.983 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

Instrument :
MSVOA_U
ClientSampled :
TB-4

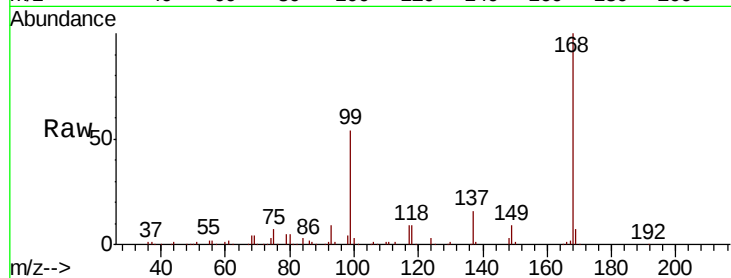
Tgt Ion: 56 Resp: 8510

Ion Ratio Lower Upper

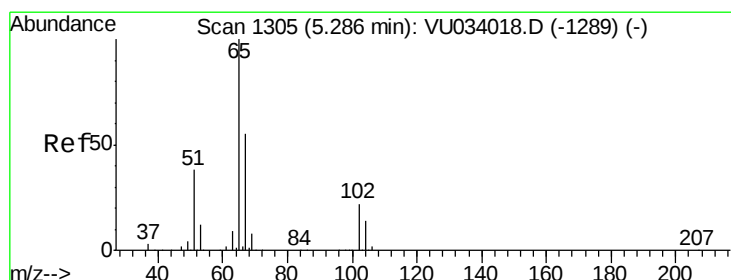
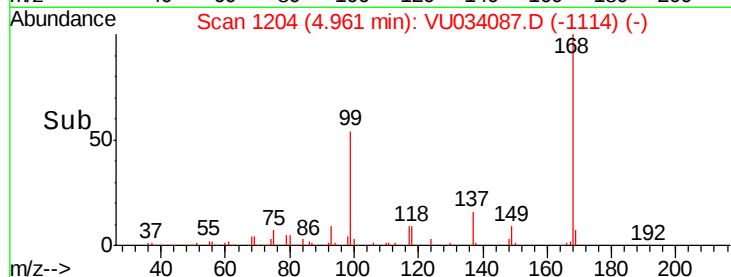
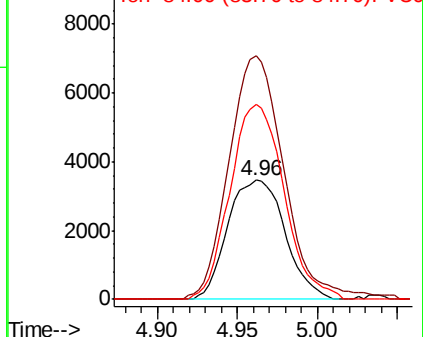
56 100

69 201.2 25.4 38.0#

84 163.6 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: 50.158 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034087.D

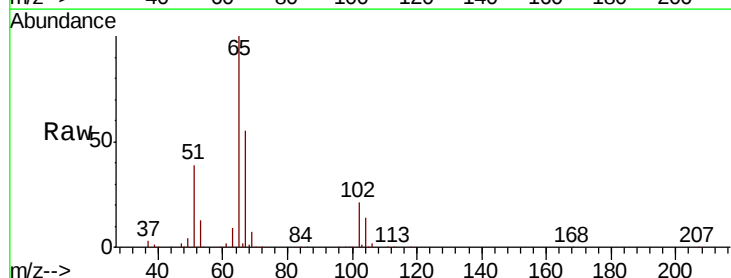
Acq: 30 Aug 2019 10:52

Tgt Ion: 65 Resp: 290867

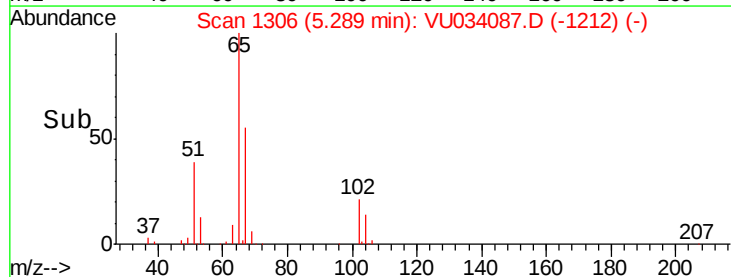
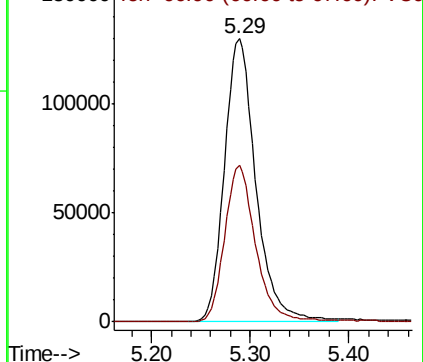
Ion Ratio Lower Upper

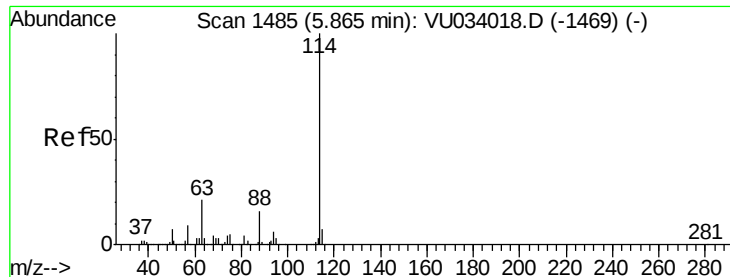
65 100

67 53.7 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: VU034087.D

Acq: 30 Aug 2019 10:52

Instrument :

MSVOA_U

ClientSampleId :

TB-4

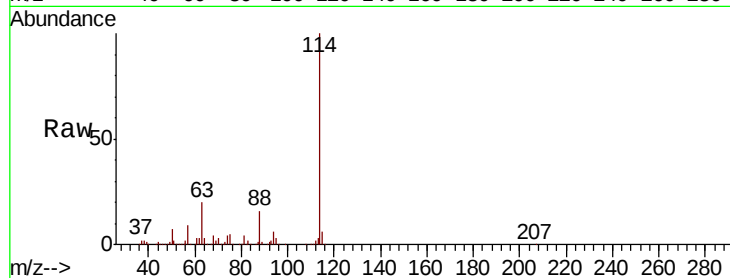
Tgt Ion:114 Resp: 730300

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.0

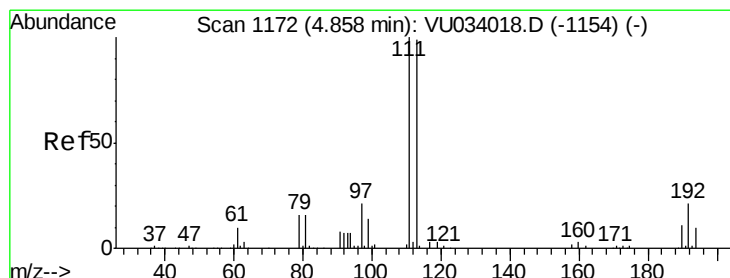
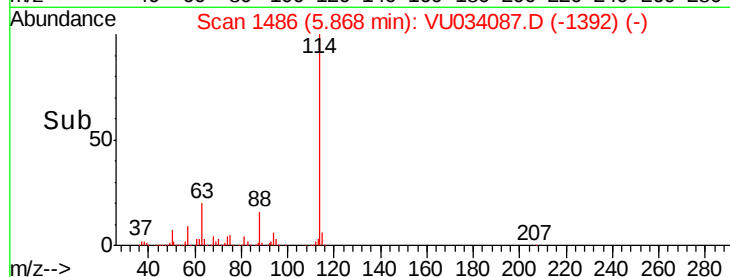
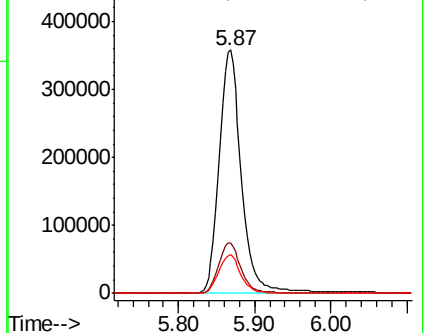
88 15.8 0.0 32.0



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: 48.185 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

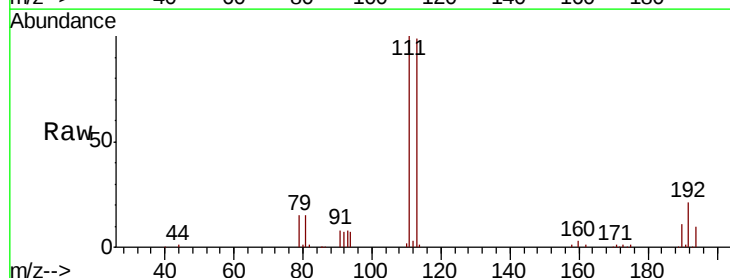
Tgt Ion:113 Resp: 244073

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

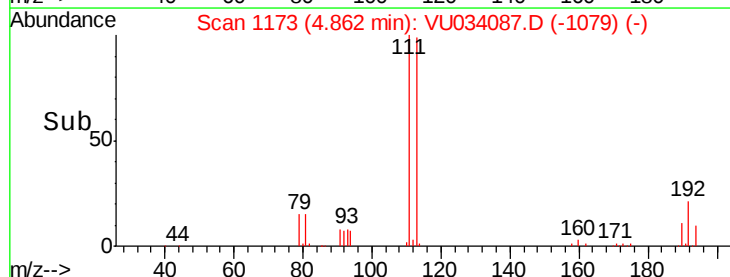
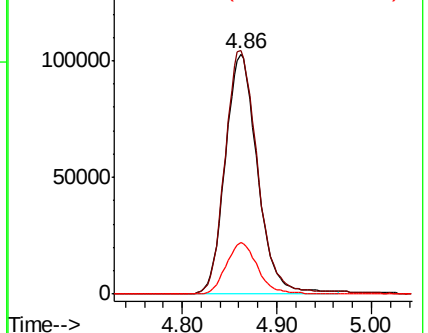
192 21.1 17.1 25.7

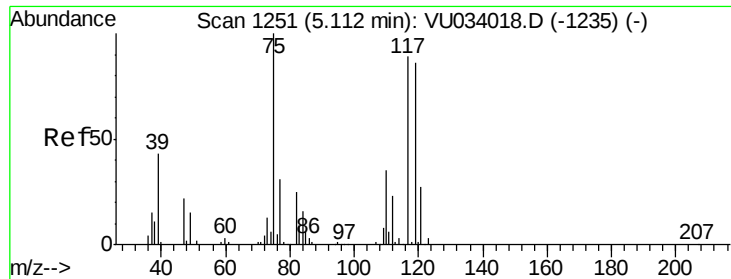


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

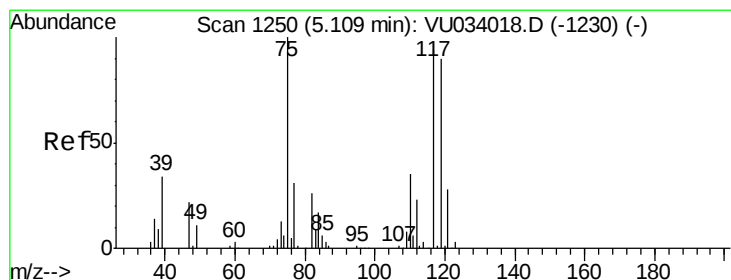
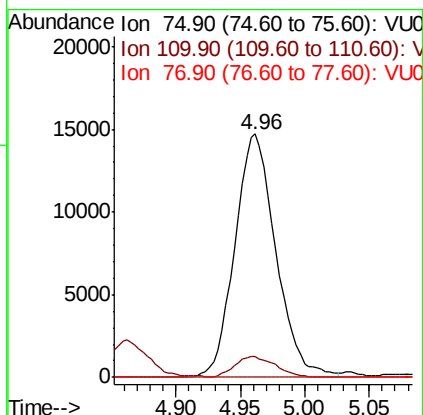
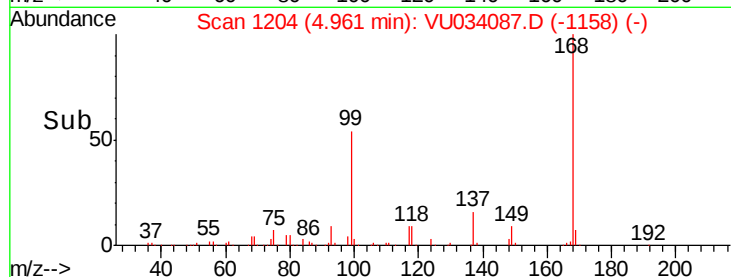
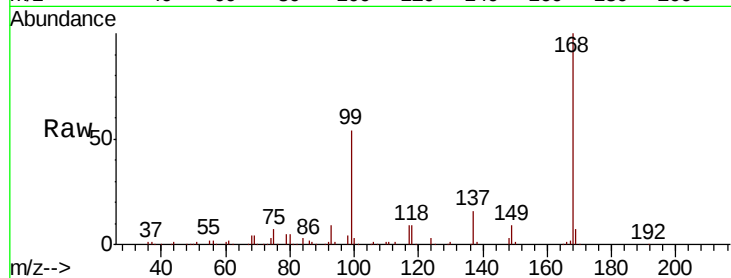




#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034087.D
 Acq: 30 Aug 2019 10:52

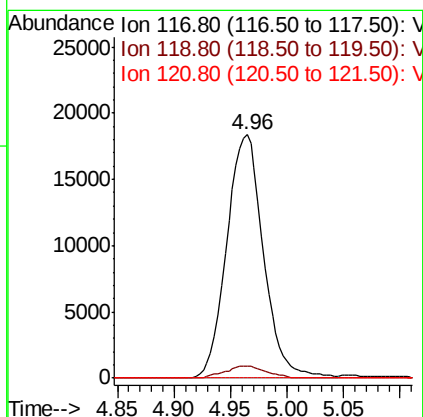
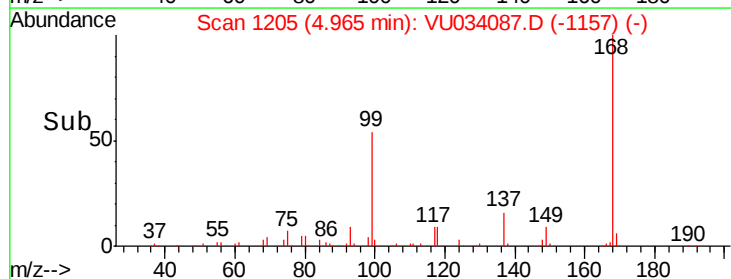
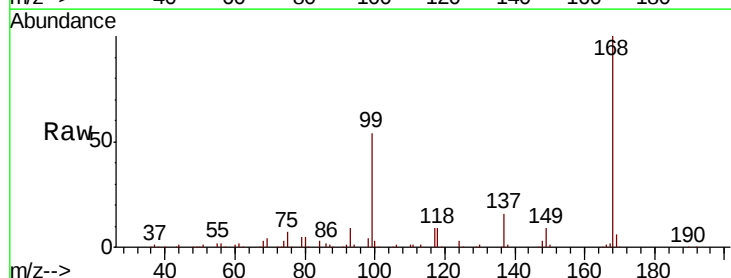
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-4

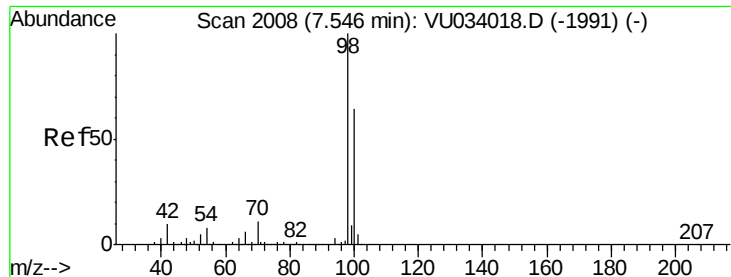
Tgt Ion: 75 Resp: 32540
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.243 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.14 min
 Lab File: VU034087.D
 Acq: 30 Aug 2019 10:52

Tgt Ion: 117 Resp: 41628
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.0 115.4#
 121 0.0 23.9 35.9#

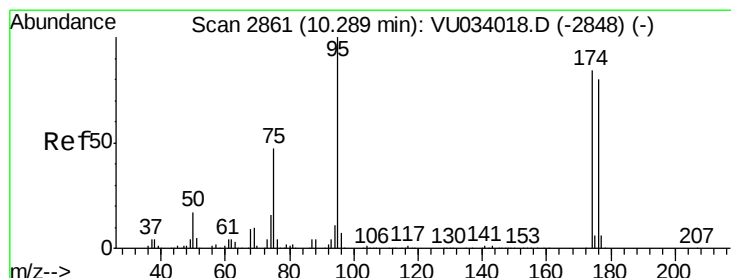
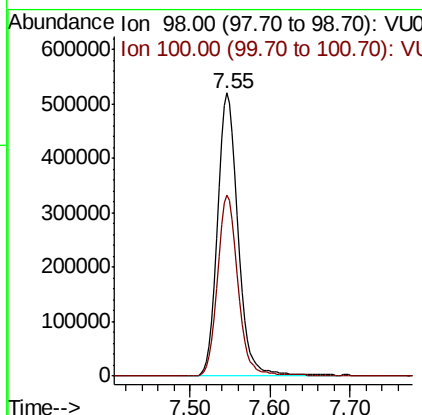
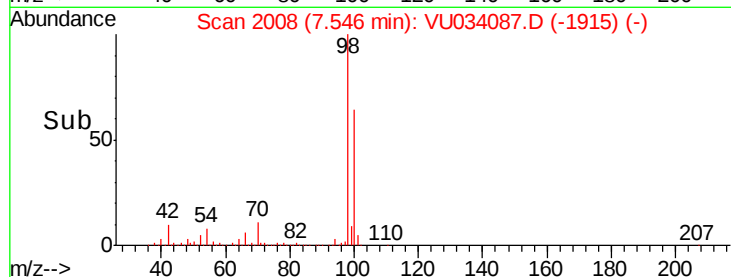
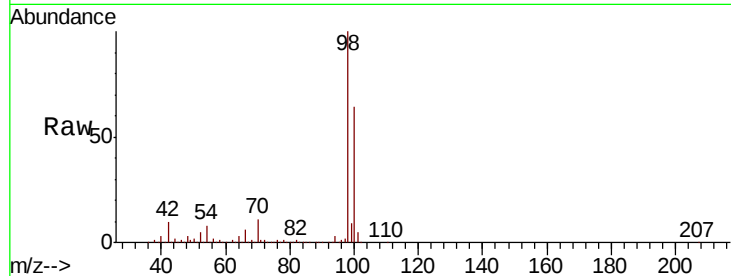




#50
Toluene-d8
Concen: 49.222 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034087.D
Acq: 30 Aug 2019 10:52

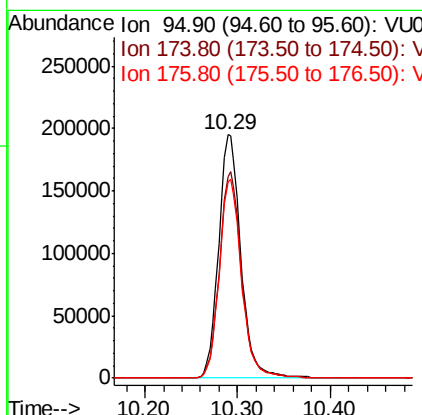
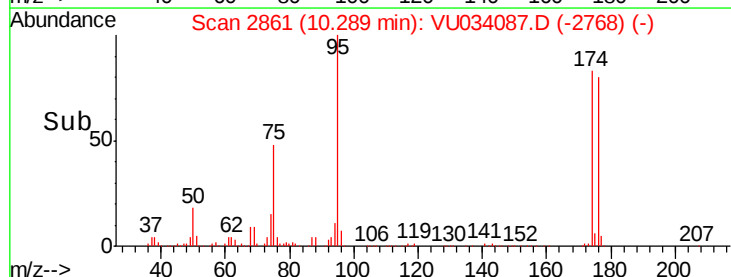
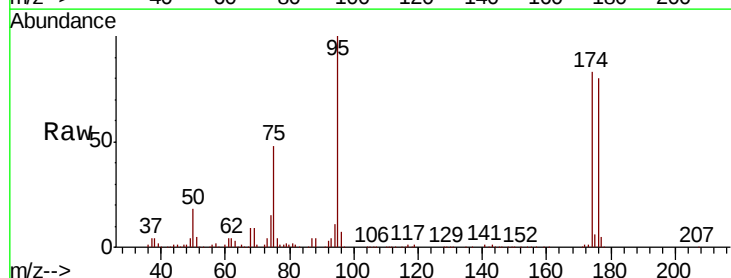
Instrument :
MSVOA_U
ClientSampleId :
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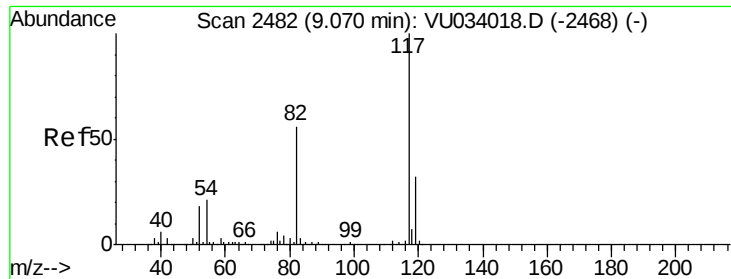
Tgt Ion: 98 Resp: 933570
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.024 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034087.D
Acq: 30 Aug 2019 10:52

Tgt Ion: 95 Resp: 324797
Ion Ratio Lower Upper
95 100
174 84.8 0.0 168.8
176 81.5 0.0 161.8

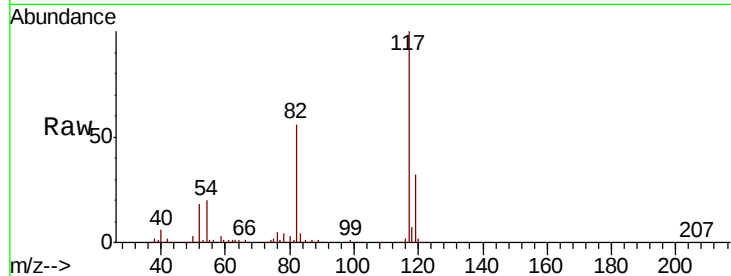




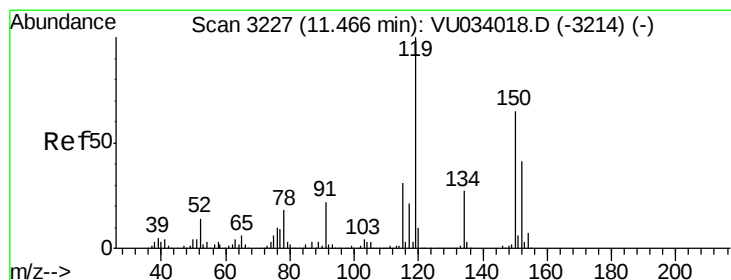
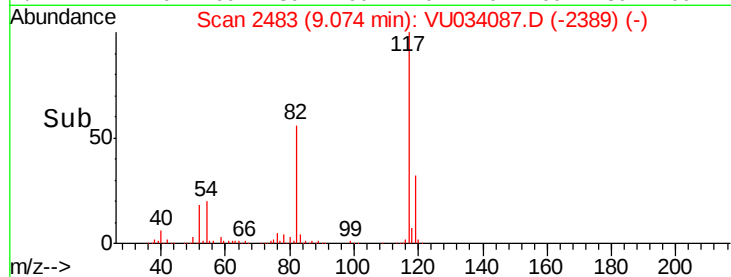
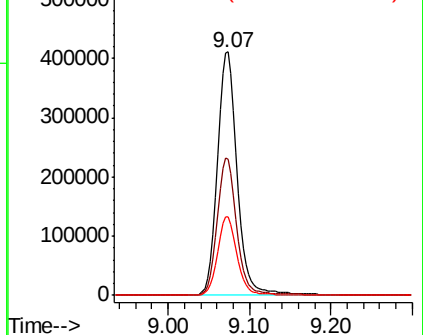
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2483
 Delta R.T. 0.00 min
 Lab File: VU034087.D
 Acq: 30 Aug 2019 10:52

Instrument :
 MSVOA_U
 ClientSampled :
 TB-4

Tgt Ion:117 Resp: 709338
 Ion Ratio Lower Upper
 117 100
 82 56.0 45.1 67.7
 119 32.1 25.4 38.0

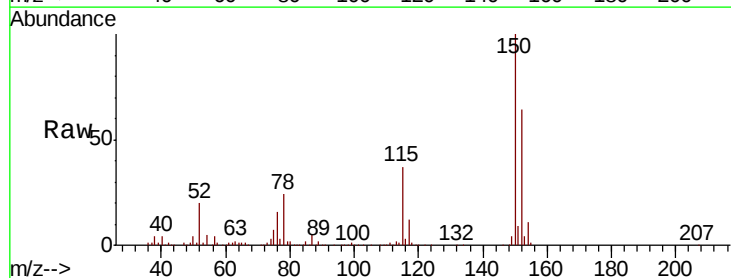


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

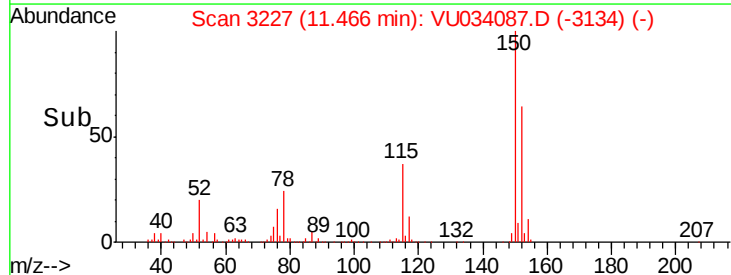
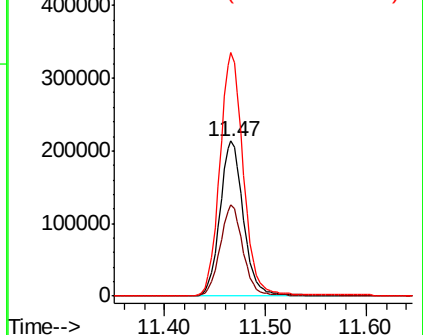


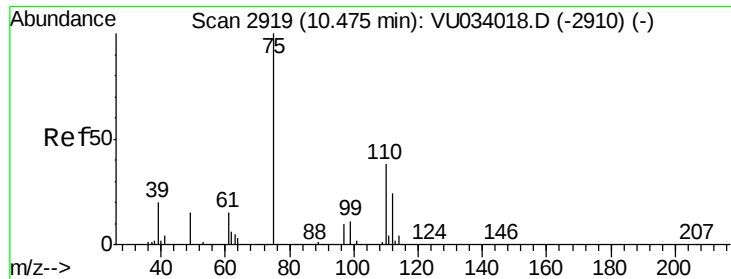
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VU034087.D
 Acq: 30 Aug 2019 10:52

Tgt Ion:152 Resp: 348098
 Ion Ratio Lower Upper
 152 100
 115 57.4 41.1 123.3
 150 158.0 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: 19.936 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

Instrument :

MSVOA_U

ClientSampled :

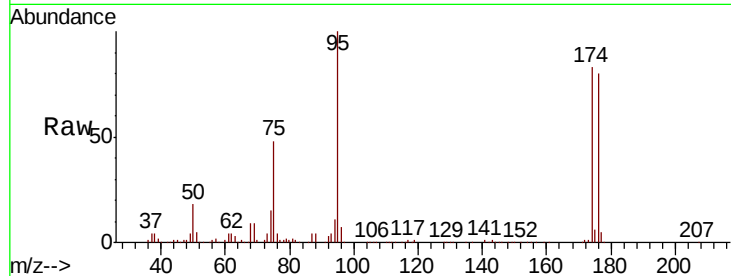
TB-4

Tgt Ion: 75 Resp: 156405

Ion Ratio Lower Upper

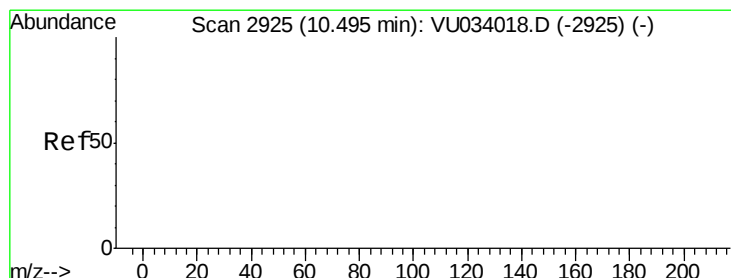
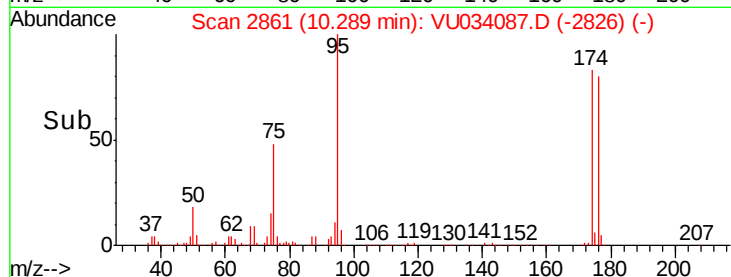
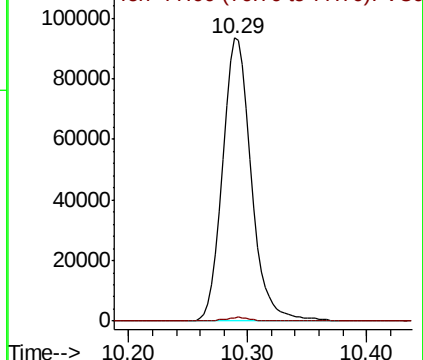
75 100

77 1.2 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: 67.128 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034087.D

Acq: 30 Aug 2019 10:52

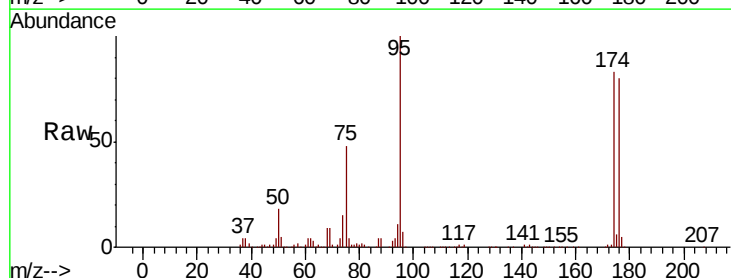
Tgt Ion: 75 Resp: 156405

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

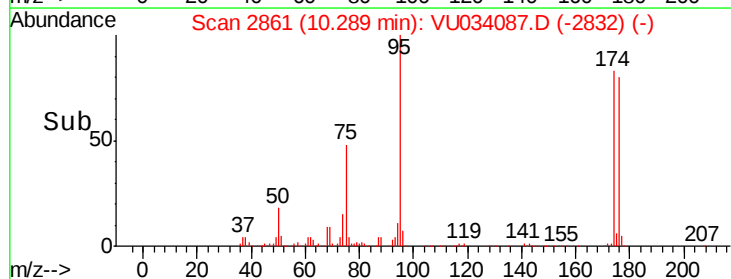
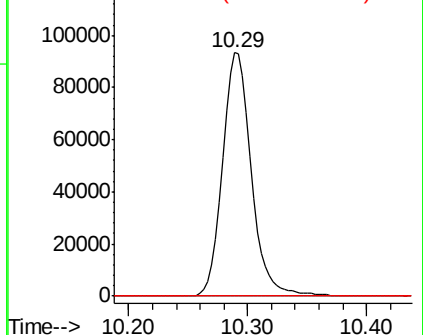
89 0.0 0.0 0.0

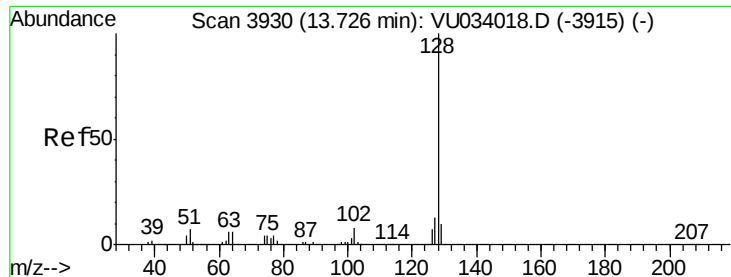


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.791 ug/l

RT: 13.80 min Scan# 3953

Delta R.T. 0.07 min

Lab File: VU034087.D

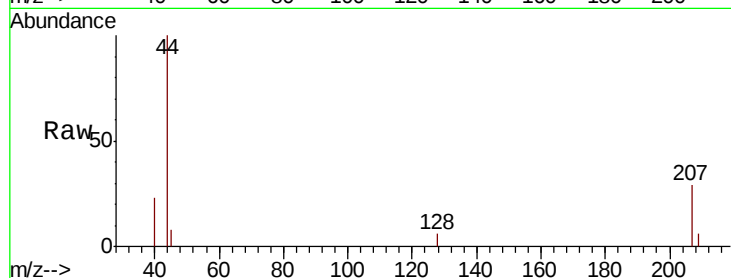
Acq: 30 Aug 2019 10:52

Instrument :

MSVOA_U

ClientSampleId :

TB-4



Tgt Ion:	128	Resp:	20
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.4	12.6#

