

Data File : VU034287.D
Acq On : 05 Sep 2019 16:41
Operator : JC/SP
Sample : K4683-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
20190667-FIELD-BLANK

Quant Time: Sep 06 07:37:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	437750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	690808	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	656135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	329805	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	280349	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
35) Dibromofluoromethane	4.86	113	241543	37.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.16%	
50) Toluene-d8	7.55	98	939878	38.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.84%	
62) 4-Bromofluorobenzene	10.29	95	334761	35.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.80%	

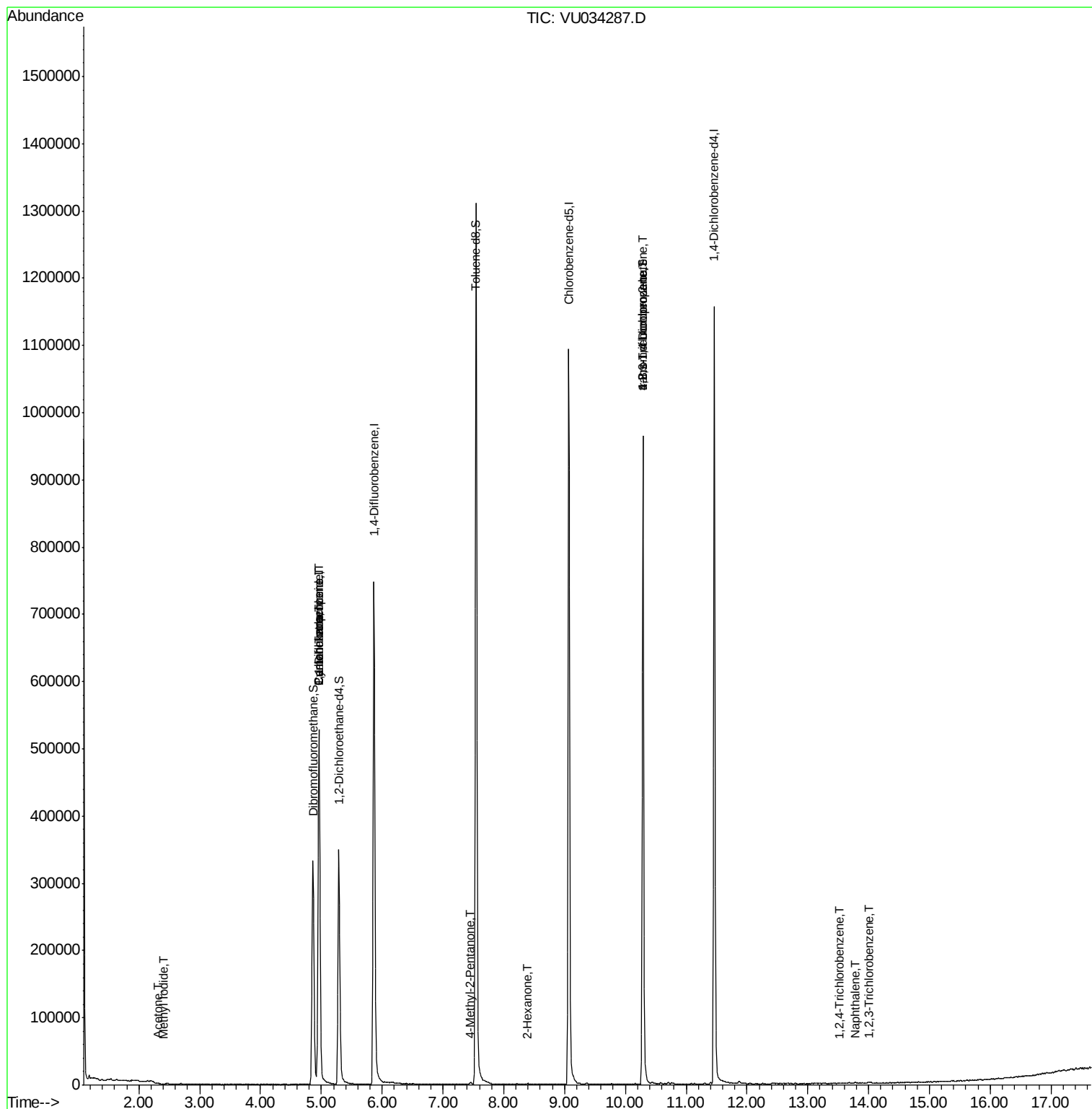
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	814	Below Cal	#	80
6) Chloroethane	1.66	64	157	Below Cal	#	43
10) Methyl Iodide	2.41	142	655	3.977	ug/l #	64
16) Acetone	2.31	43	1418	0.414	ug/l	88
20) Methylene Chloride	2.69	84	708	Below Cal	#	84
31) Cyclohexane	4.96	56	7313	0.943	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30431	4.062	ug/l #	49
38) Carbon Tetrachloride	4.96	117	38170	4.772	ug/l #	16
51) 4-Methyl-2-Pentanone	7.45	43	2343	0.245	ug/l	93
59) 2-Hexanone	8.39	43	1440	0.202	ug/l	85
76) 1,2,3-Trichloropropane	10.29	75	156479	21.736	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	156479	73.097	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	389	3.498	ug/l #	83
95) Naphthalene	13.77	128	3045	4.093	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.00	180	739	2.731	ug/l	86

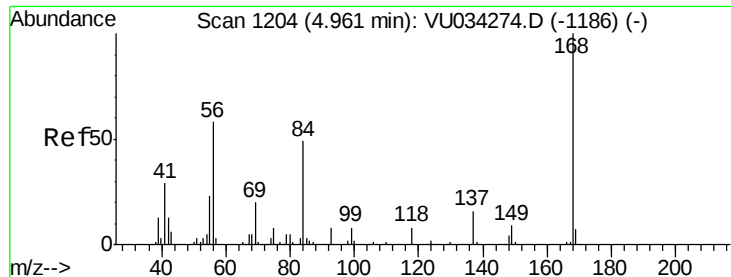
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034287.D

Acq: 05 Sep 2019 16:41

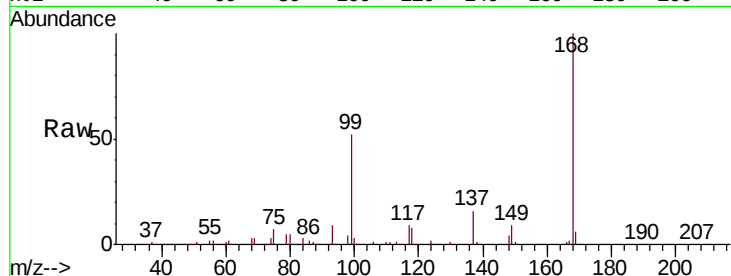
Instrument :
MSVOA_U
ClientSampleId :
20190667-FIELD-BLANK

Tgt Ion: 168 Resp: 437750

Ion Ratio Lower Upper

168 100

99 51.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034287.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034287.D (-1186) (-)

4.96

200000

150000

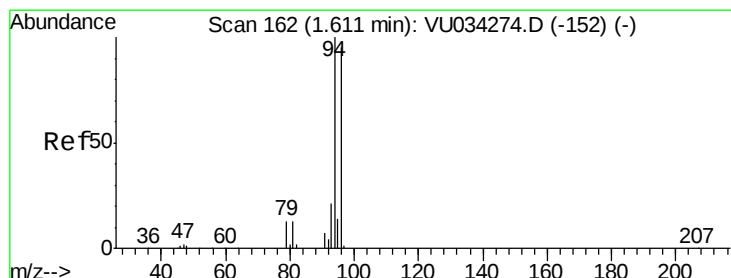
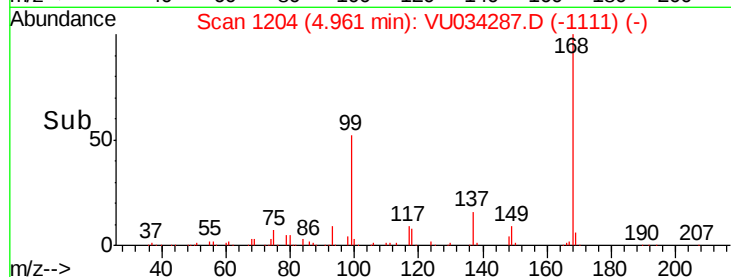
100000

50000

0

4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034287.D

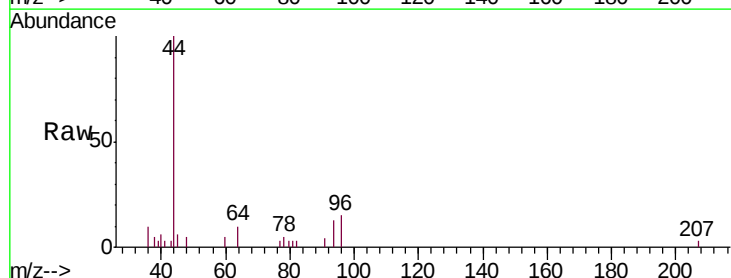
Acq: 05 Sep 2019 16:41

Tgt Ion: 94 Resp: 814

Ion Ratio Lower Upper

94 100

96 114.3 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034287.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034287.D (-68) (-)

1.63

600

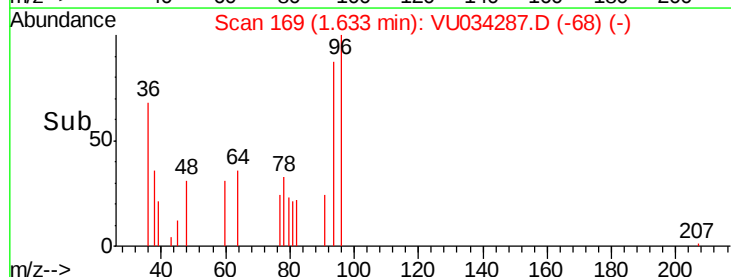
400

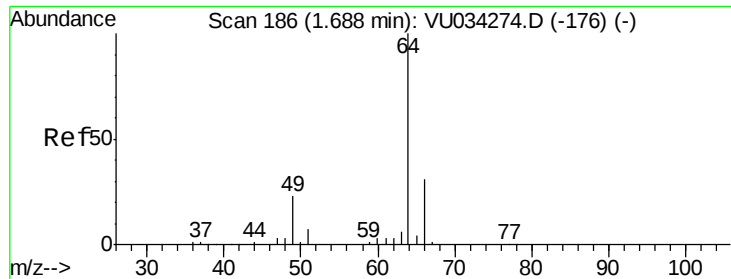
200

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. -0.03 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

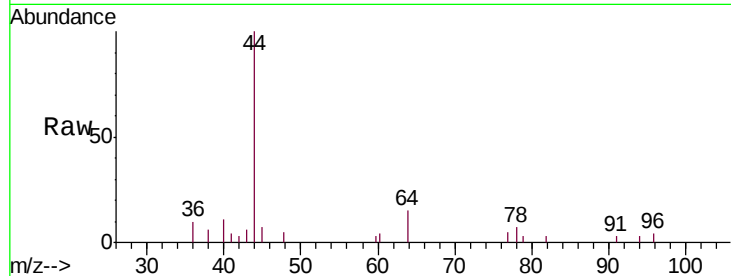
20190667-FIELD-BLANK

Tgt Ion: 64 Resp: 157

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.66

600

500

400

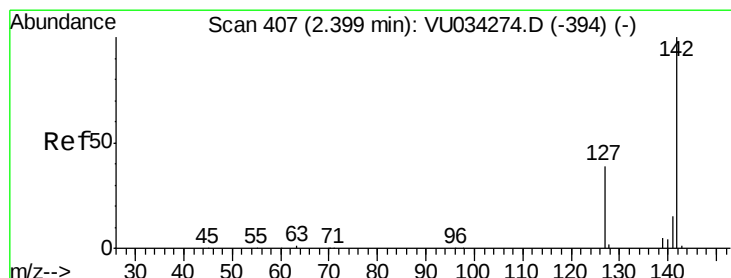
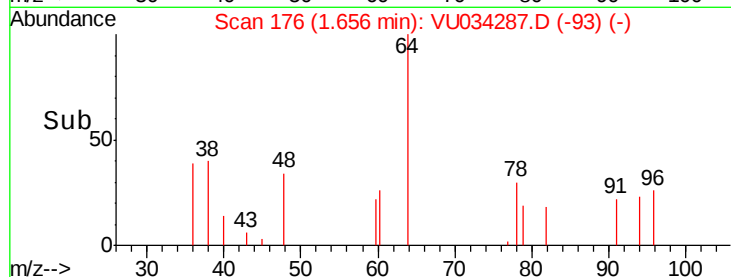
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 3.977 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

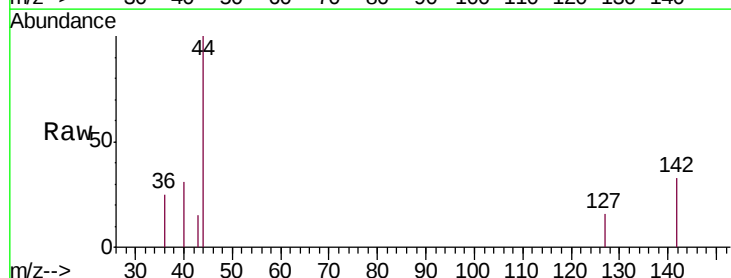
Tgt Ion: 142 Resp: 655

Ion Ratio Lower Upper

142 100

127 17.7 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

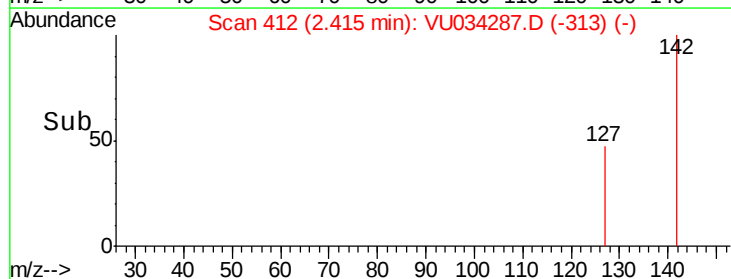
300

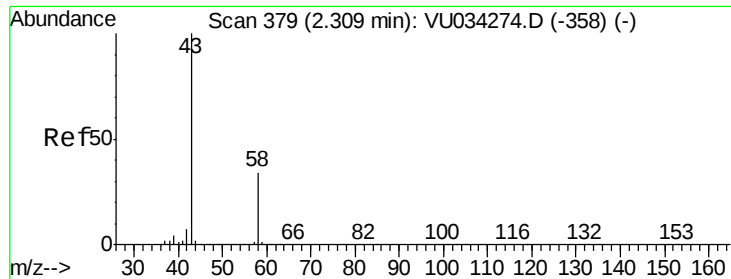
200

100

0

Time-->





#16

Acetone

Concen: 0.414 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

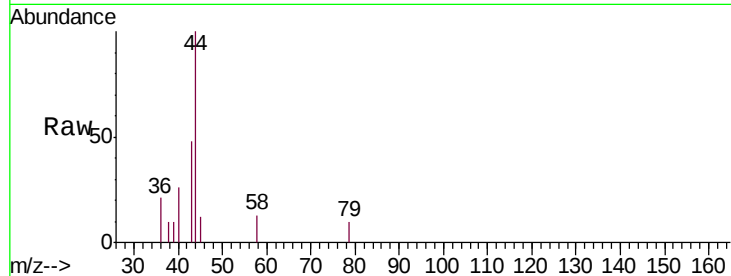
20190667-FIELD-BLANK

Tgt Ion: 43 Resp: 1418

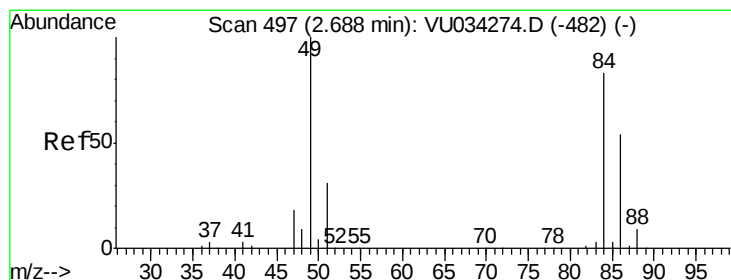
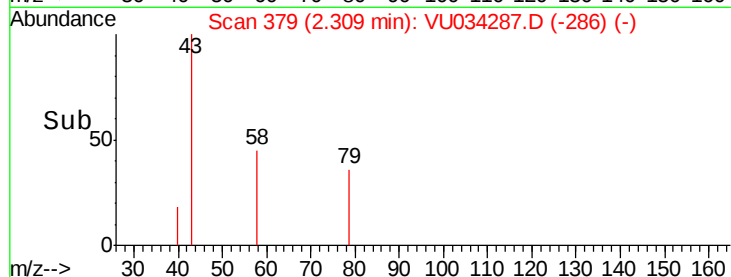
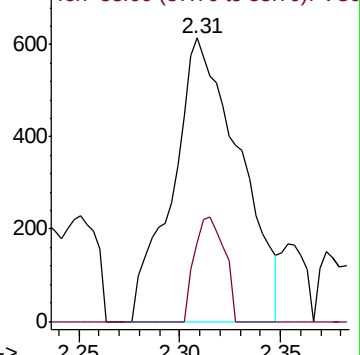
Ion Ratio Lower Upper

43 100

58 27.7 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034287.D (-286) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Tgt Ion: 84 Resp: 708

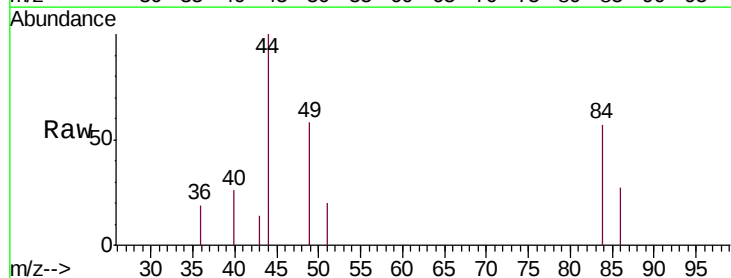
Ion Ratio Lower Upper

84 100

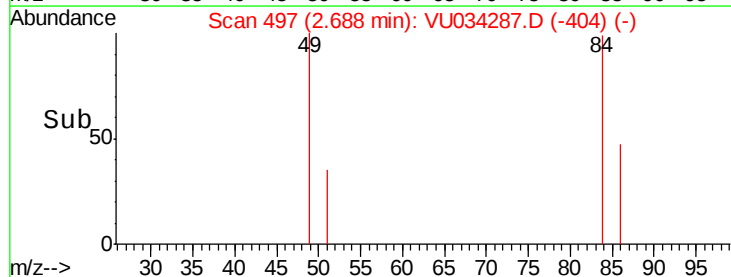
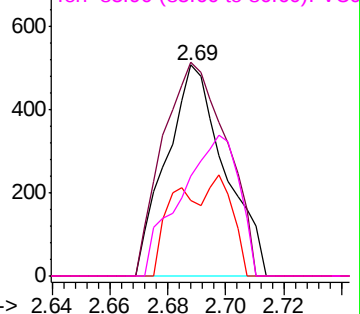
49 101.2 96.0 144.0

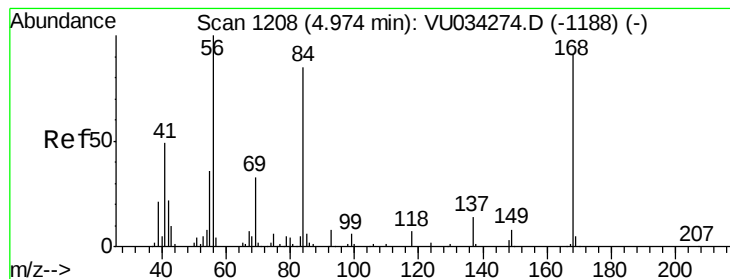
51 35.6 30.0 45.0

86 47.4 51.4 77.0#



Abundance Ion 83.90 (83.60 to 84.60): VU034287.D (-404) (-)





#31

Cyclohexane

Concen: 0.943 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

20190667-FIELD-BLANK

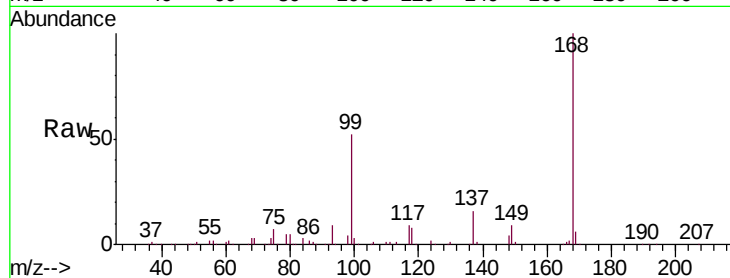
Tgt Ion: 56 Resp: 7313

Ion Ratio Lower Upper

56 100

69 196.6 26.7 40.1#

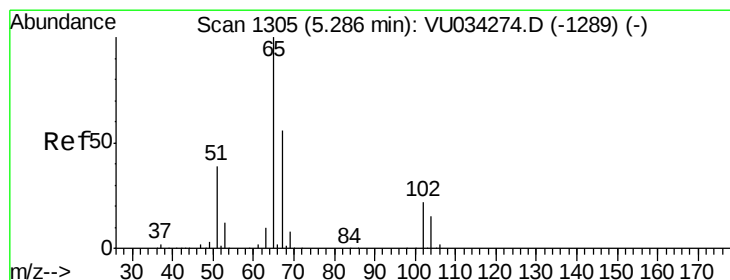
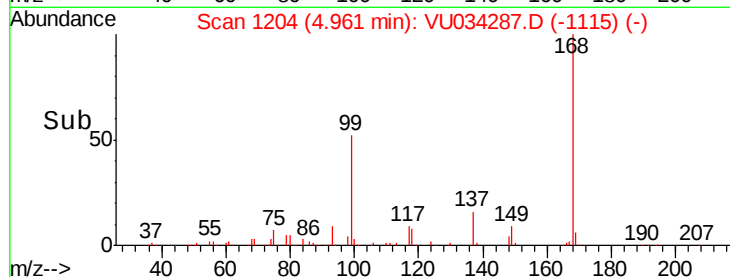
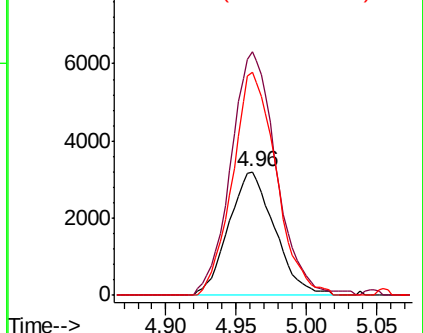
84 180.5 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034287.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034287.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034287.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 42.328 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034287.D

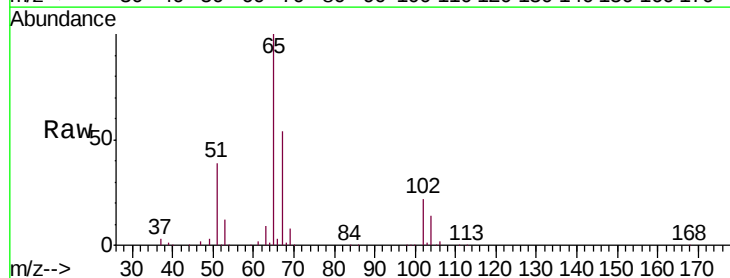
Acq: 05 Sep 2019 16:41

Tgt Ion: 65 Resp: 280349

Ion Ratio Lower Upper

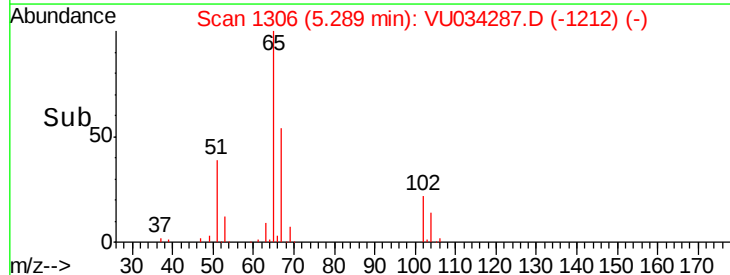
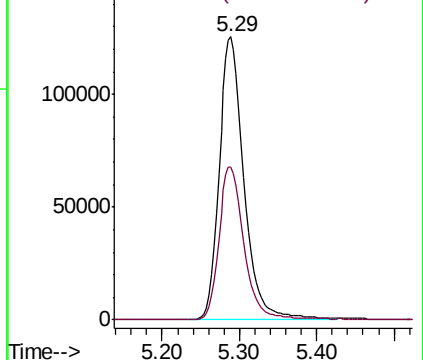
65 100

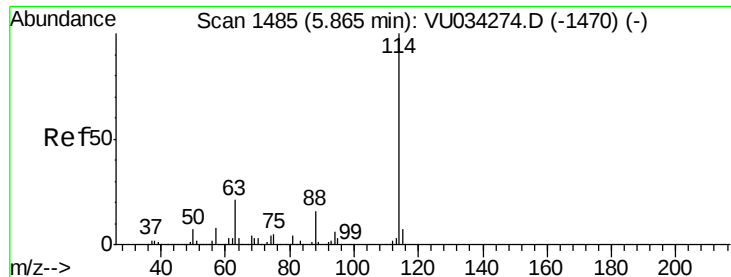
67 54.6 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034287.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034287.D (-1212) (-)

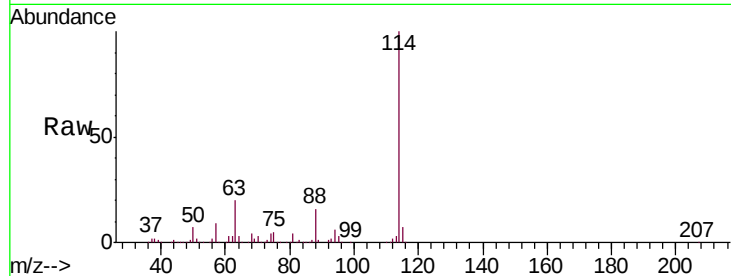




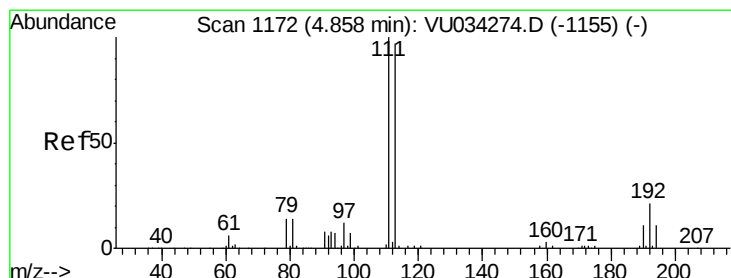
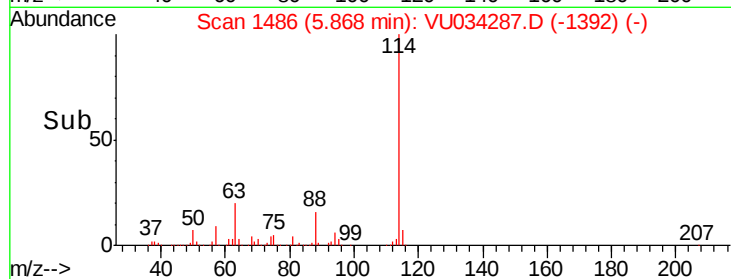
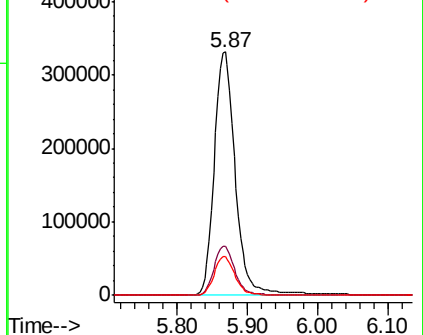
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 20190667-FIELD-BLANK

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	15.9	0.0	32.4

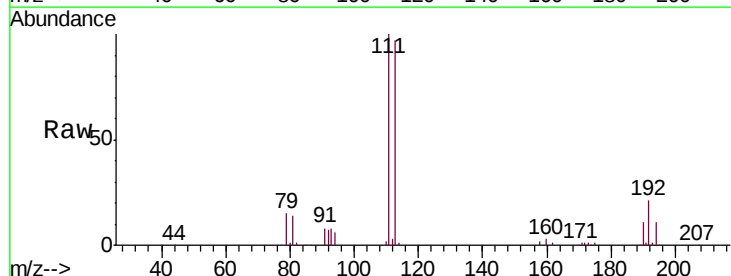


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

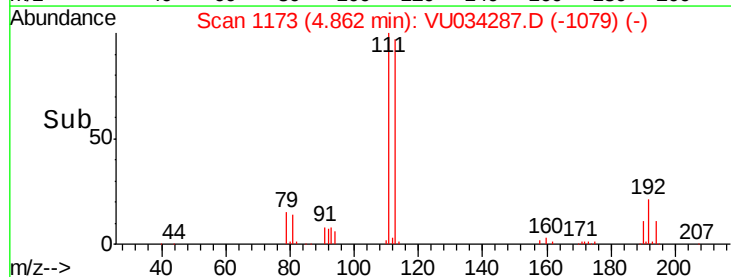
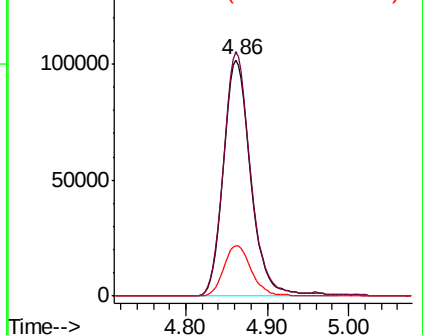


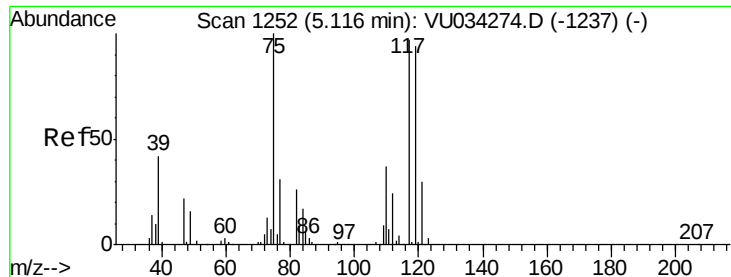
#35
 Dibromofluoromethane
 Concen: 37.577 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	21.7	17.8	26.8



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

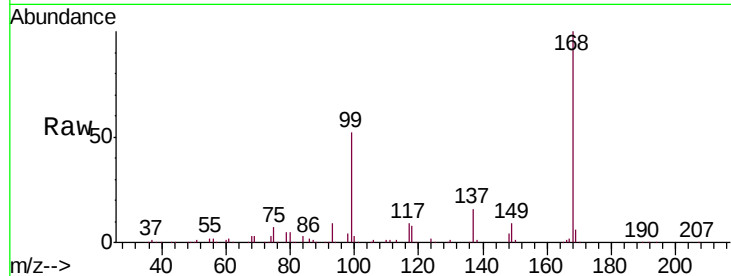




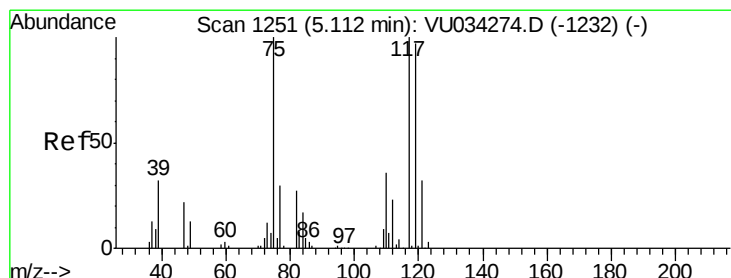
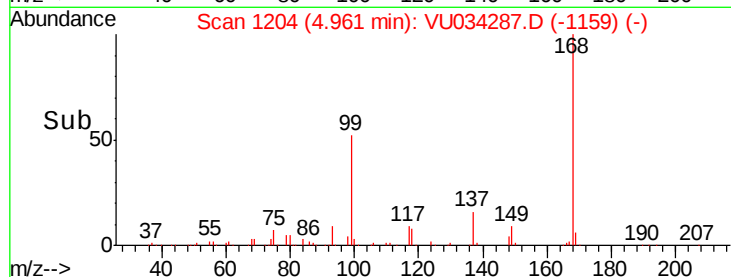
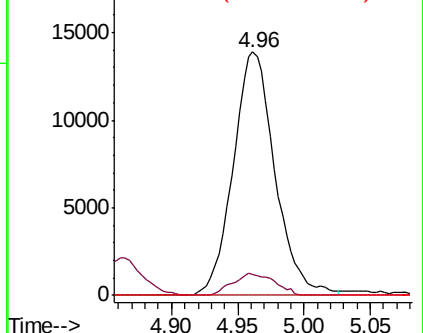
#36
 1,1-Dichloropropene
 Concen: 4.062 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 20190667-FIELD-BLANK

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.0	24.9	37.3#

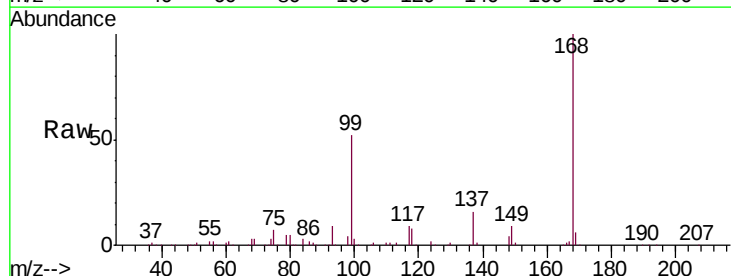


Abundance Ion 74.90 (74.60 to 75.60): VU034287.D (-1159) (-)
 Ion 109.90 (109.60 to 110.60): VU034287.D (-1159) (-)
 Ion 76.90 (76.60 to 77.60): VU034287.D (-1159) (-)

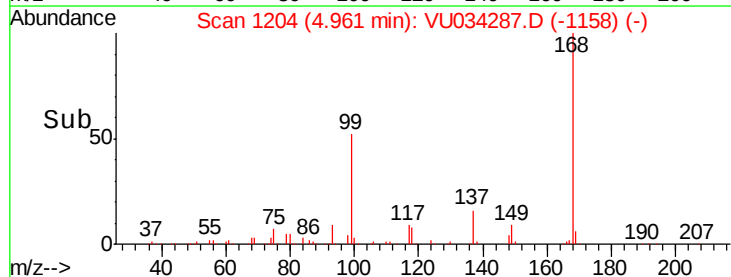
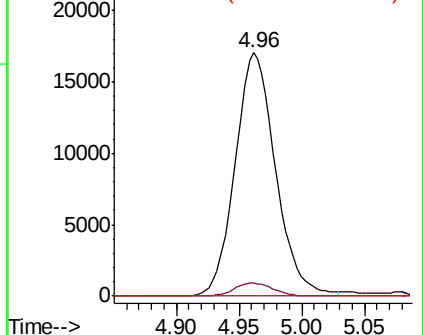


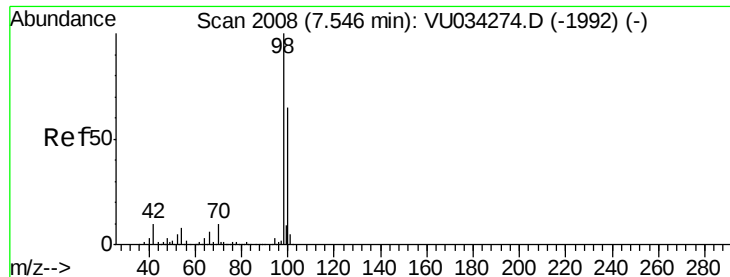
#38
 Carbon Tetrachloride
 Concen: 4.772 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.8	116.6#
121	0.0	25.2	37.8#



Abundance Ion 116.80 (116.50 to 117.50): VU034287.D (-1158) (-)
 Ion 118.80 (118.50 to 119.50): VU034287.D (-1158) (-)
 Ion 120.80 (120.50 to 121.50): VU034287.D (-1158) (-)





#50

Toluene-d8

Concen: 38.918 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

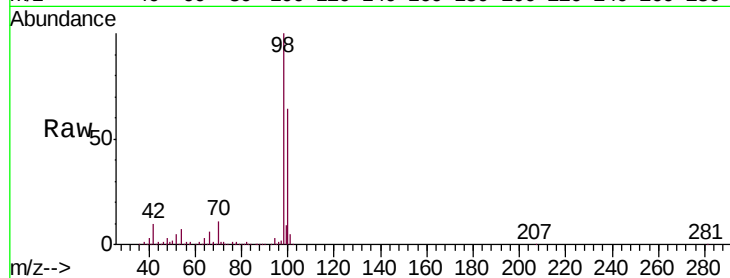
20190667-FIELD-BLANK

Tgt Ion: 98 Resp: 939878

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034287.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034287.D (-1915) (-)

600000

500000

400000

300000

200000

100000

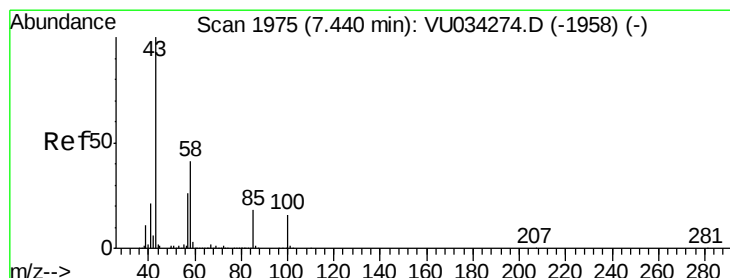
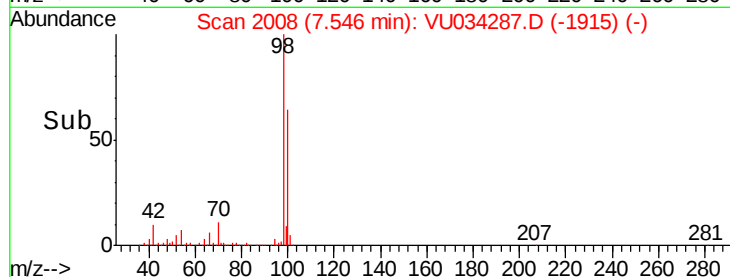
0

7.55

7.60

7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU034287.D

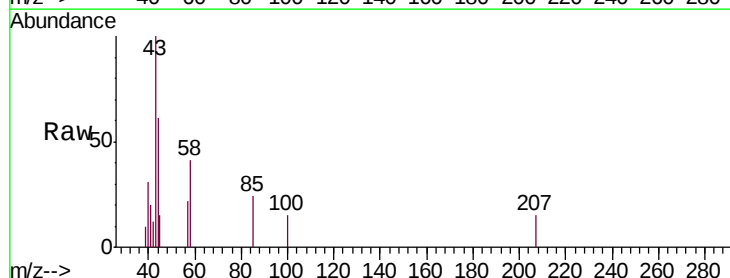
Acq: 05 Sep 2019 16:41

Tgt Ion: 43 Resp: 2343

Ion Ratio Lower Upper

43 100

58 36.6 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034287.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034287.D (-1882) (-)

1200

1000

800

600

400

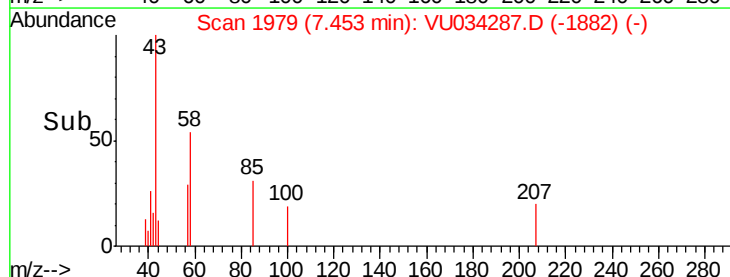
200

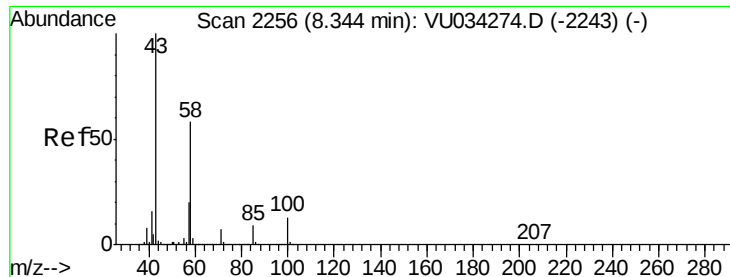
0

7.45

7.50

Time-->





#59

2-Hexanone

Concen: 0.202 ug/l

RT: 8.39 min Scan# 2269

Delta R.T. 0.04 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

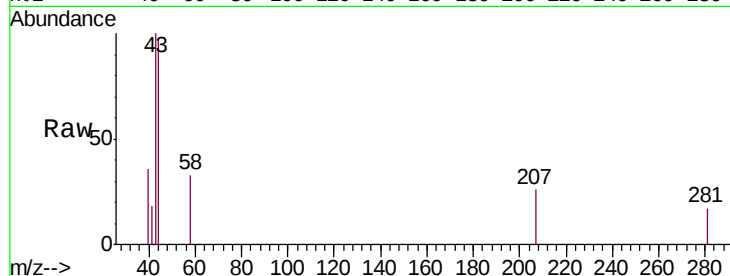
20190667-FIELD-BLANK

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

58 46.6 28.8 86.5

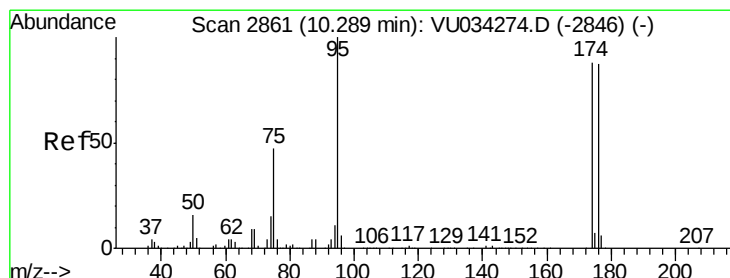
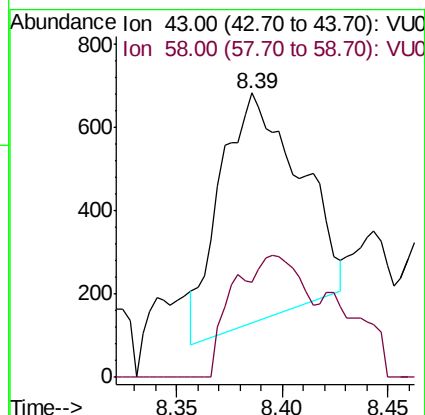
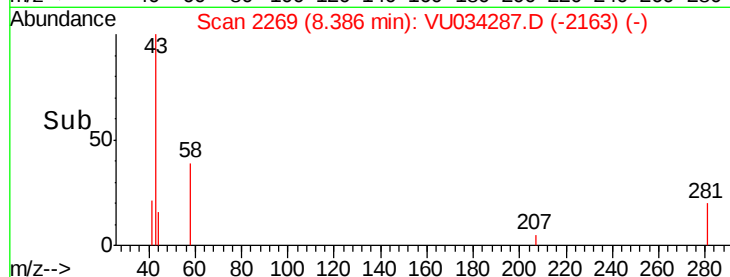


Abundance Ion 43.00 (42.70 to 43.70): VU034287.D (-2243) (-)

Ion 58.00 (57.70 to 58.70): VU034287.D (-2243) (-)

8.39

8.35 8.40 8.45



#62

4-Bromofluorobenzene

Concen: 35.902 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

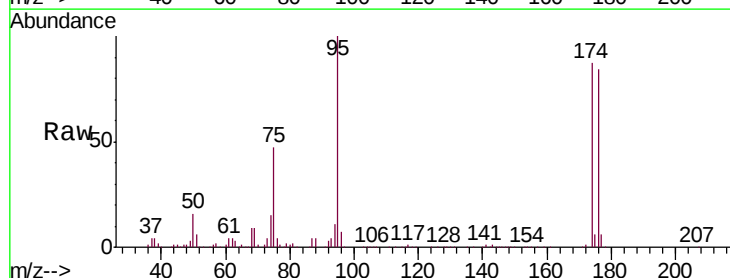
Tgt Ion: 95 Resp: 334761

Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.2

176 83.1 0.0 168.0



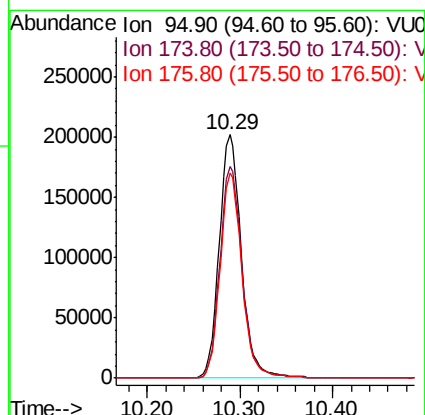
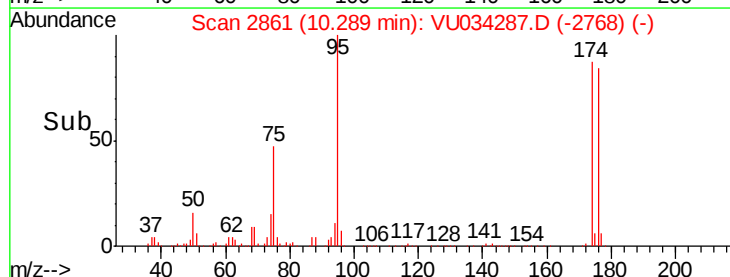
Abundance Ion 94.90 (94.60 to 95.60): VU034287.D (-2768) (-)

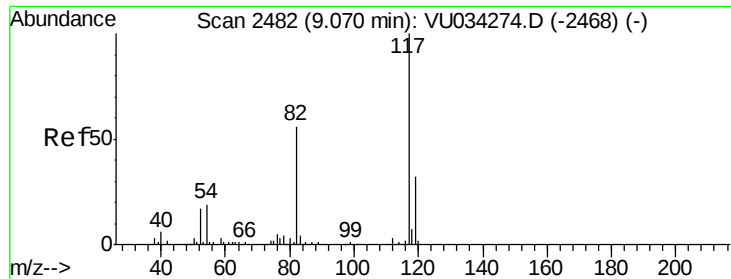
Ion 173.80 (173.50 to 174.50): VU034287.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034287.D (-2768) (-)

10.29

10.20 10.30 10.40

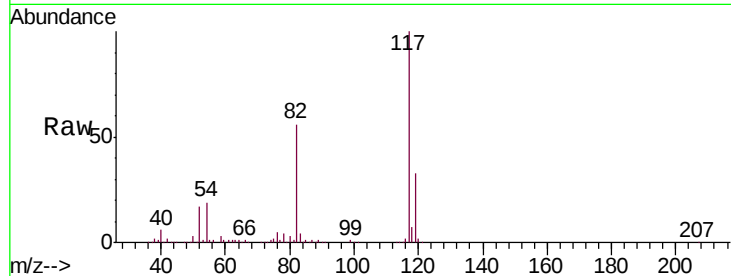




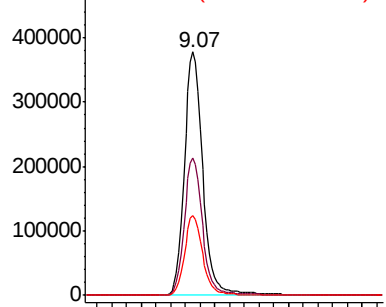
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034287.D
Acq: 05 Sep 2019 16:41

Instrument :
MSVOA_U
ClientSampleId :
20190667-FIELD-BLANK

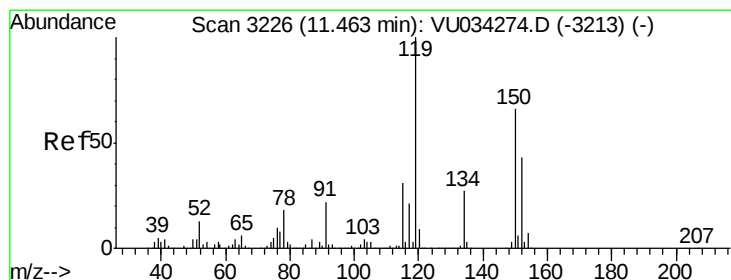
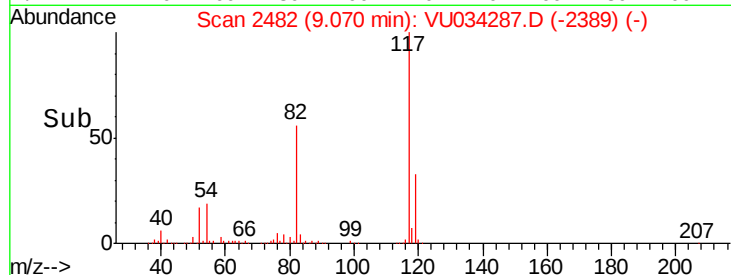
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	67.0
119	33.0	25.9	38.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034287.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

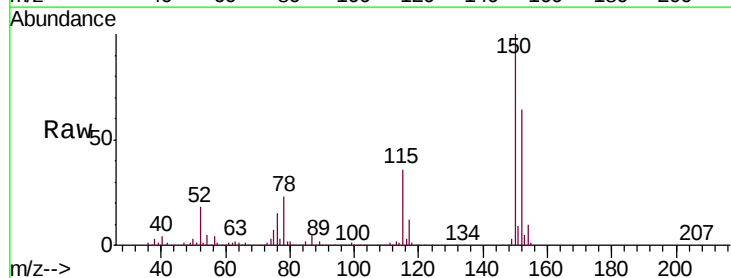


Time-->

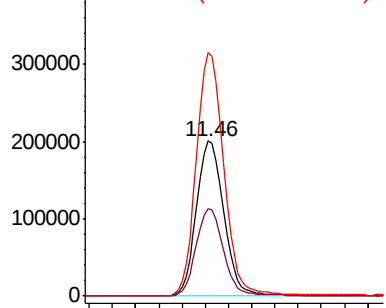


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034287.D
Acq: 05 Sep 2019 16:41

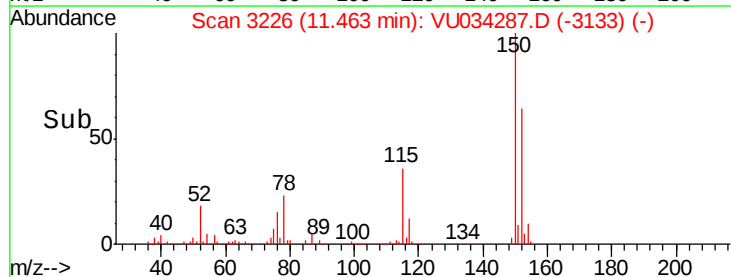
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	39.1	117.3
150	157.6	0.0	345.4

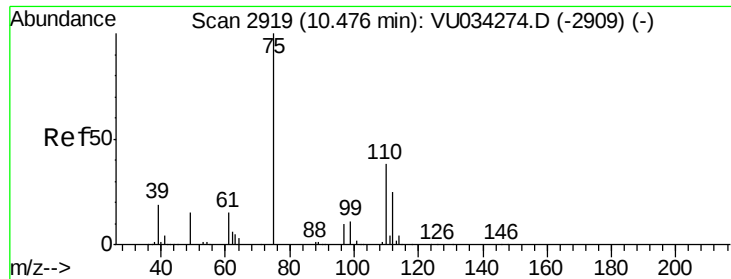


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU034287.D (-3133) (-)
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 21.736 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

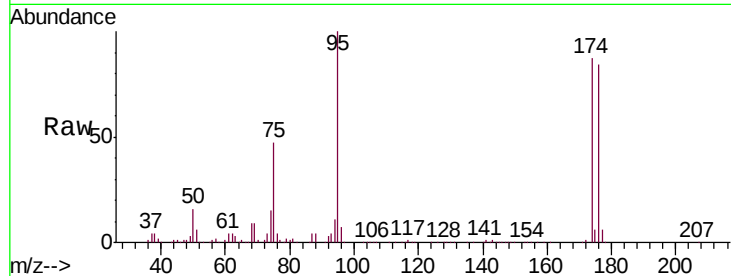
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Tgt Ion: 75 Resp: 156479

Ion Ratio Lower Upper

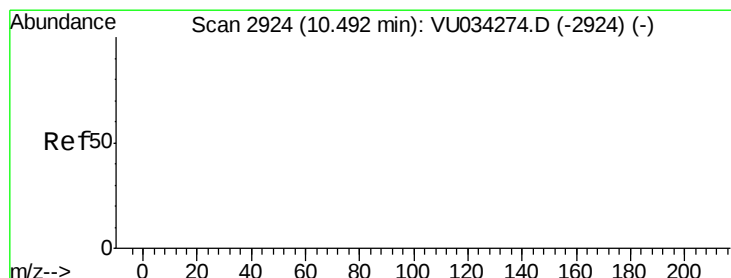
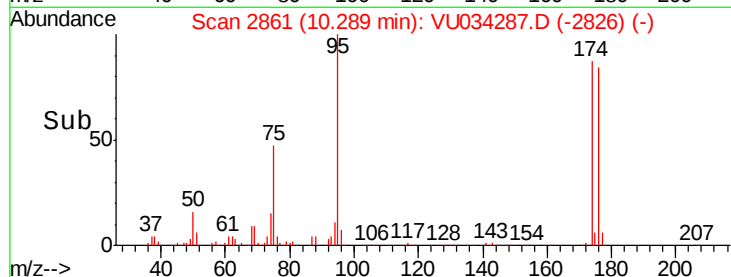
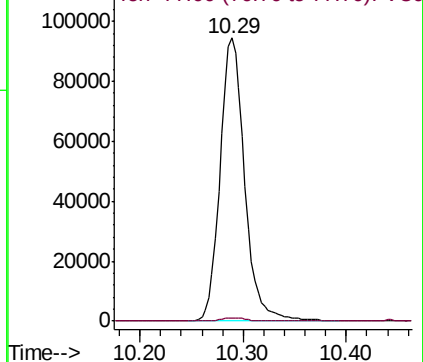
75 100

77 1.2 20.8 62.2#



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: 73.097 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034287.D

Acq: 05 Sep 2019 16:41

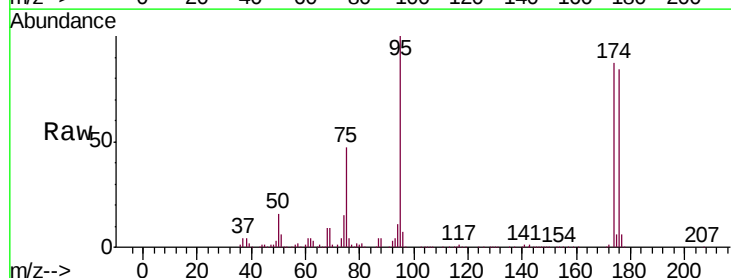
Tgt Ion: 75 Resp: 156479

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

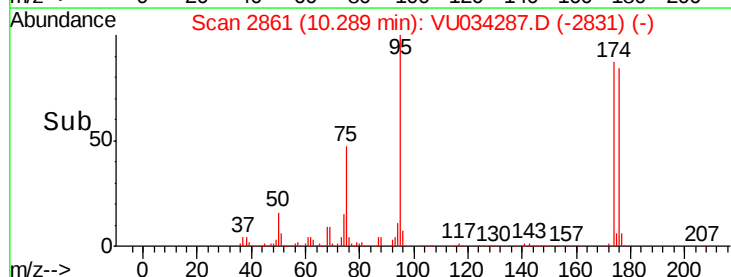
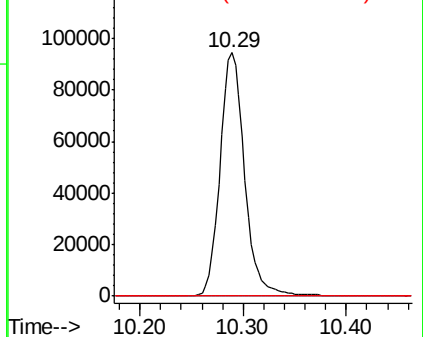
89 0.0 0.0 0.0

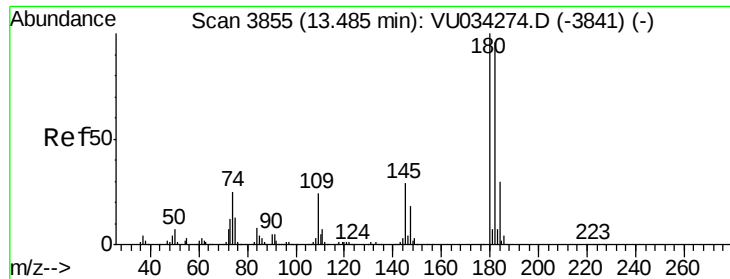


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

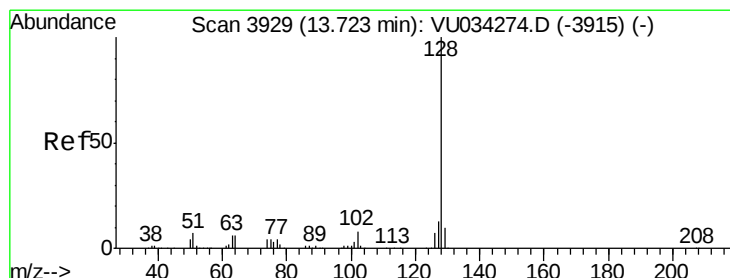
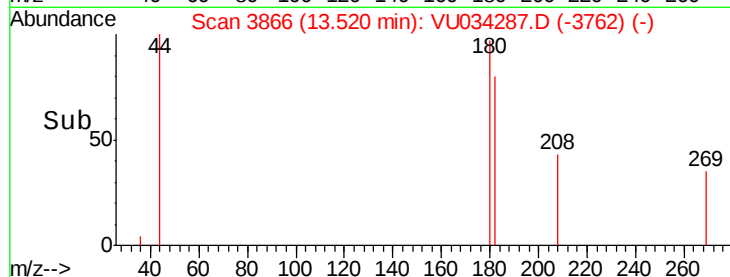
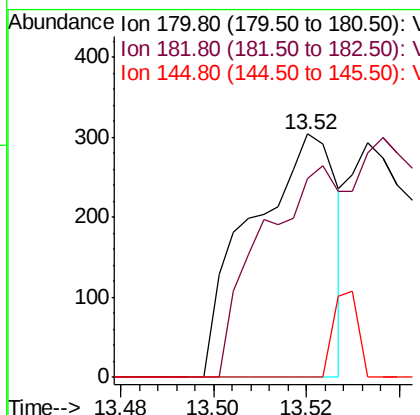
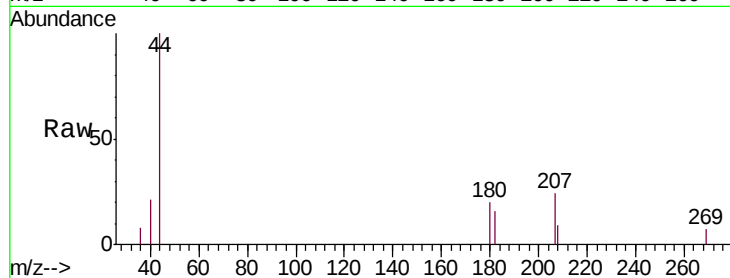




#93
 1,2,4-Trichlorobenzene
 Concen: 3.498 ug/l
 RT: 13.52 min Scan# 3866
 Delta R.T. 0.04 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

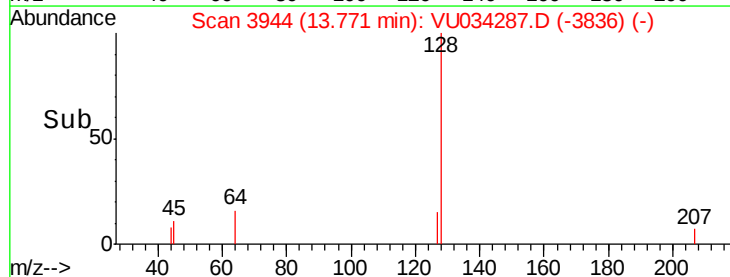
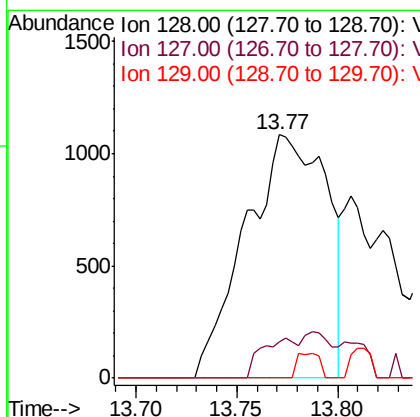
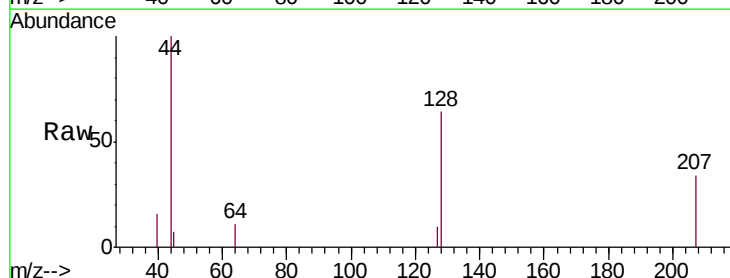
Instrument :
 MSVOA_U
 ClientSampleId :
 20190667-FIELD-BLANK

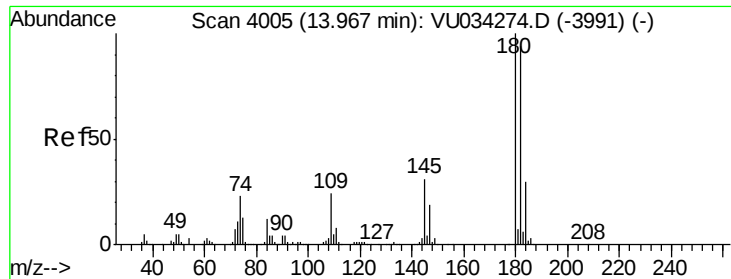
Tgt Ion:180 Resp: 389
 Ion Ratio Lower Upper
 180 100
 182 90.5 47.9 143.8
 145 0.0 14.4 43.0#



#95
 Naphthalene
 Concen: 4.093 ug/l
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.05 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Tgt Ion:128 Resp: 3045
 Ion Ratio Lower Upper
 128 100
 127 7.4 10.6 15.8#
 129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.731 ug/l
 RT: 14.00 min Scan# 4016
 Delta R.T. 0.04 min
 Lab File: VU034287.D
 Acq: 05 Sep 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 20190667-FIELD-BLANK

Tgt Ion:180 Resp: 739
 Ion Ratio Lower Upper
 180 100
 182 84.6 48.4 145.0
 145 19.5 15.4 46.4

