

Data File : VU034291.D
Acq On : 05 Sep 2019 18:14
Operator : JC/SP
Sample : K4684-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
20769

Quant Time: Sep 06 07:39:10 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	448445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	704180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	669872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	339520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	284569	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
35) Dibromofluoromethane	4.86	113	245456	37.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.92%	
50) Toluene-d8	7.55	98	955768	38.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.64%	
62) 4-Bromofluorobenzene	10.29	95	337346	35.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.98%	

Target Compounds

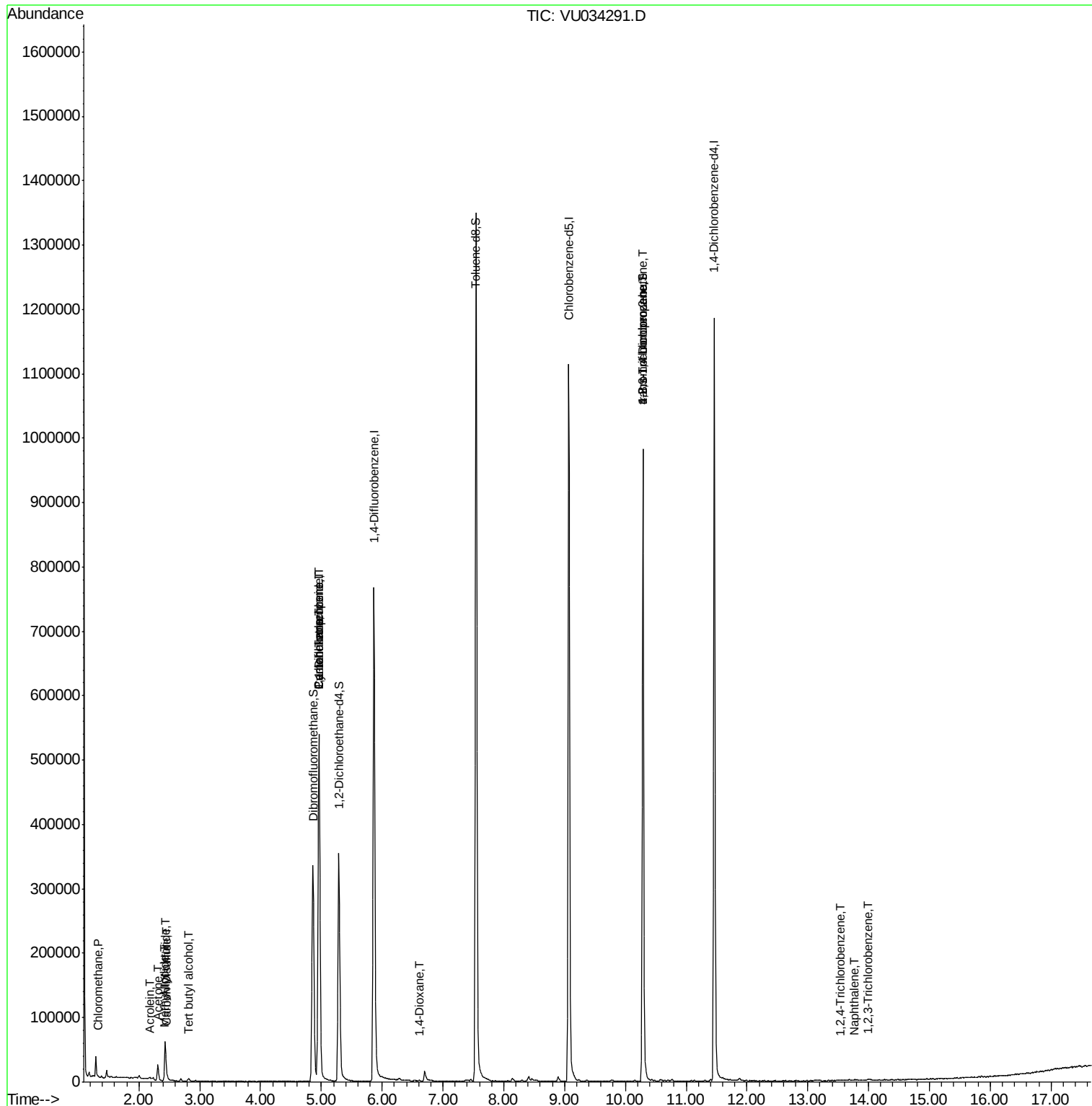
						Qvalue
3) Chloromethane	1.32	50	1930	0.296	ug/l	89
5) Bromomethane	1.60	94	68	Below Cal	#	68
6) Chloroethane	1.67	64	235	Below Cal	#	43
10) Methyl Iodide	2.41	142	704	3.983	ug/l #	71
11) Tert butyl alcohol	2.81	59	4731	3.300	ug/l #	93
13) Acrolein	2.19	56	369	0.306	ug/l #	60
14) Allyl chloride	2.43	41	6737	0.722	ug/l #	53
16) Acetone	2.31	43	27772	7.909	ug/l	99
17) Carbon Disulfide	2.47	76	2218	0.202	ug/l #	95
20) Methylene Chloride	2.69	84	1573	Below Cal		91
31) Cyclohexane	4.96	56	7509	0.945	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30137	3.946	ug/l #	48
38) Carbon Tetrachloride	4.96	117	39237	4.812	ug/l #	17
49) 1,4-Dioxane	6.61	88	43	0.294	ug/l #	63
76) 1,2,3-Trichloropropane	10.29	75	158594	21.399	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	158594	71.965	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	556	3.516	ug/l #	58
95) Naphthalene	13.77	128	3990	4.128	ug/l #	72
96) 1,2,3-Trichlorobenzene	13.99	180	721	2.727	ug/l	81

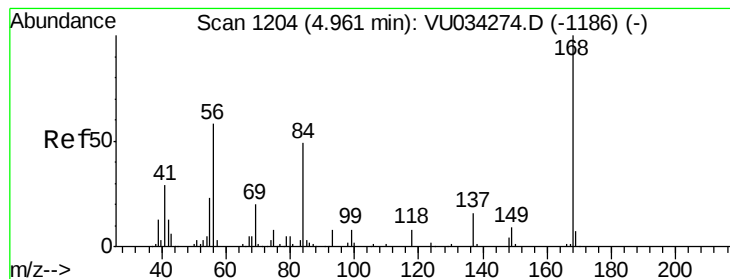
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

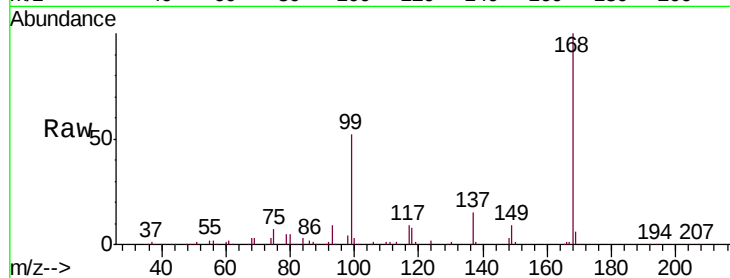
20769

Tgt Ion:168 Resp: 448445

Ion Ratio Lower Upper

168 100

99 51.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034291.D (-1111) (-)

4.96

200000

150000

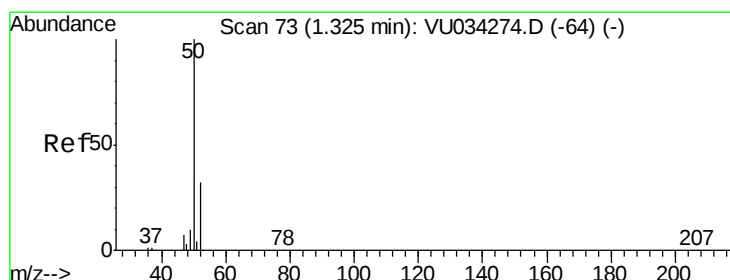
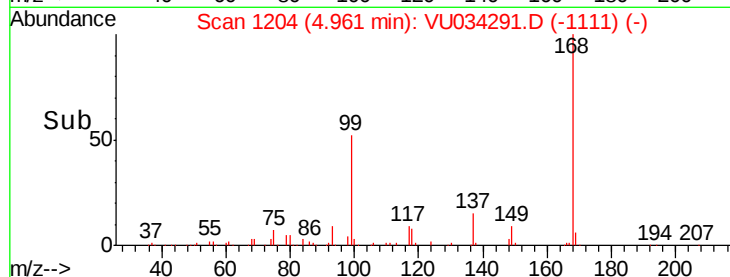
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034291.D

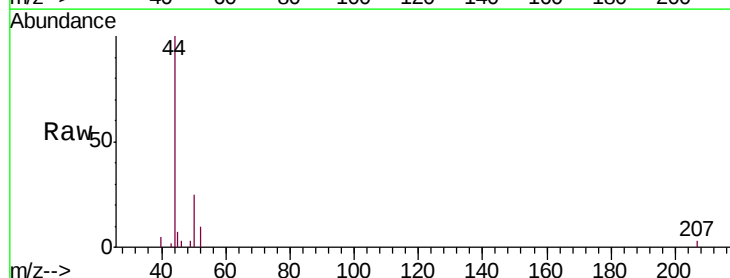
Acq: 05 Sep 2019 18:14

Tgt Ion: 50 Resp: 1930

Ion Ratio Lower Upper

50 100

52 38.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034291.D (-1) (-)

1.32

2000

1500

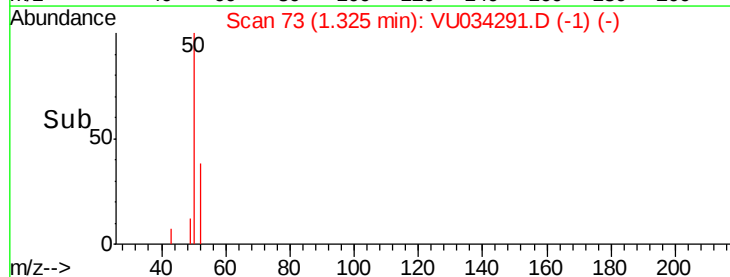
1000

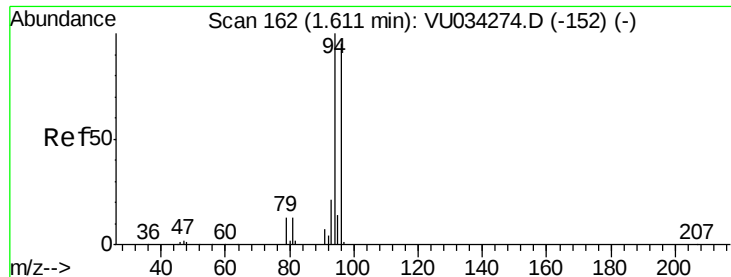
500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

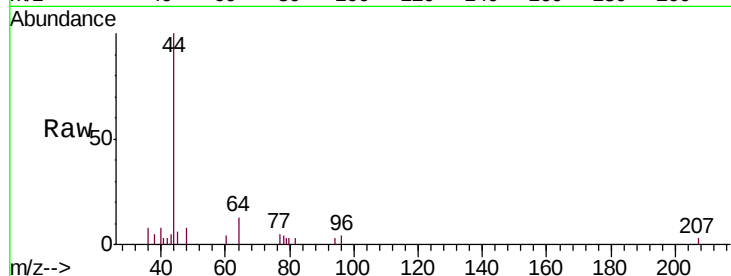
20769

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

94 100

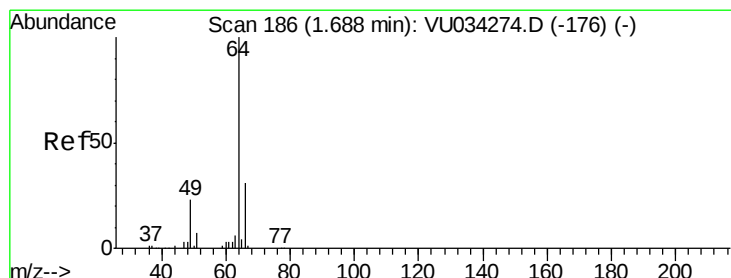
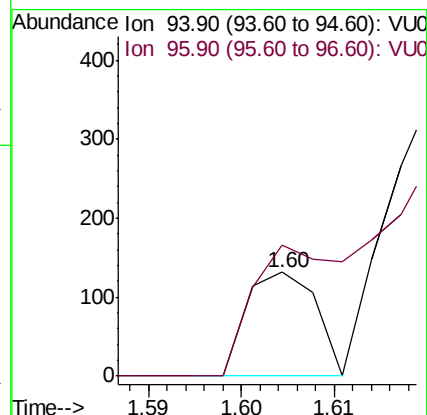
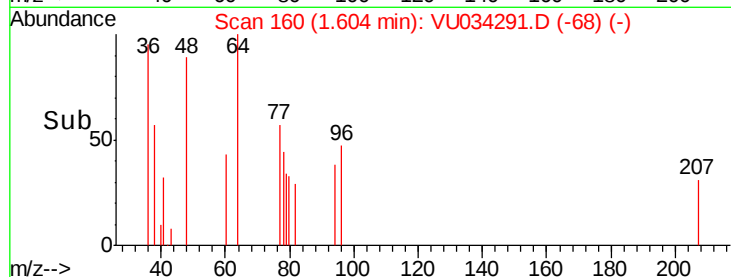
96 126.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 179

Delta R.T. -0.02 min

Lab File: VU034291.D

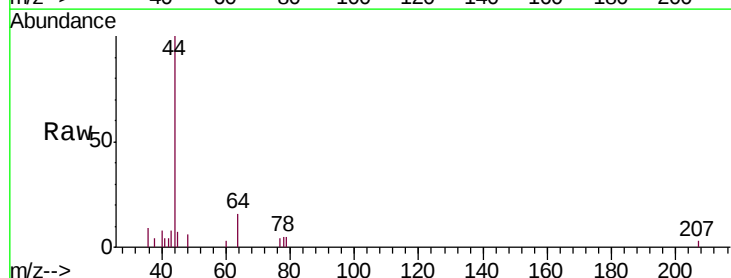
Acq: 05 Sep 2019 18:14

Tgt Ion: 64 Resp: 235

Ion Ratio Lower Upper

64 100

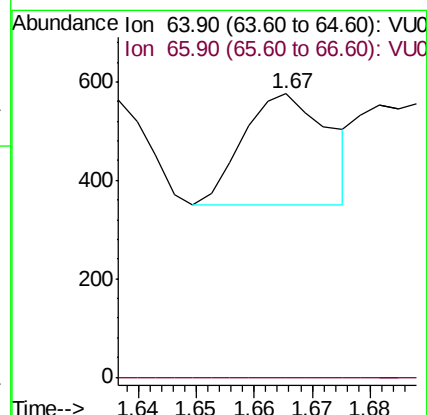
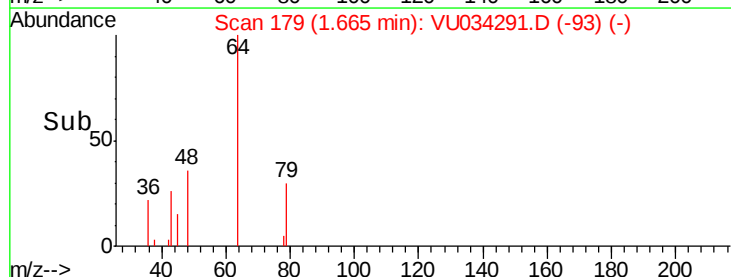
66 0.0 25.0 37.6#

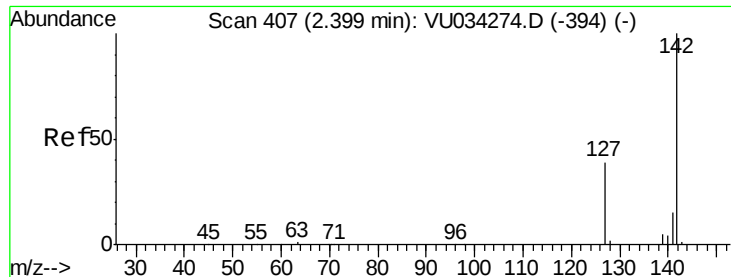


Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

Time-->

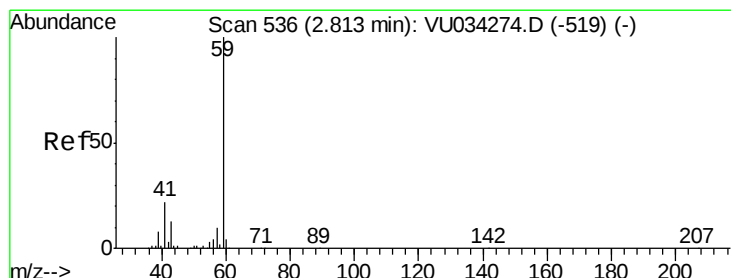
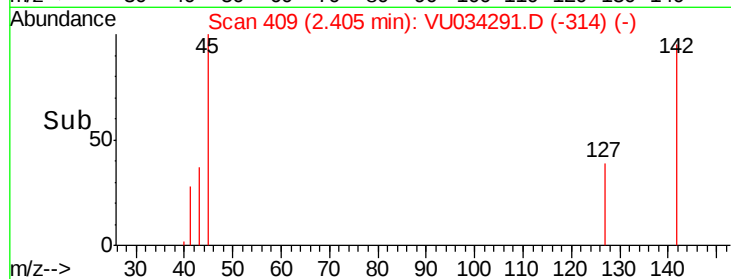
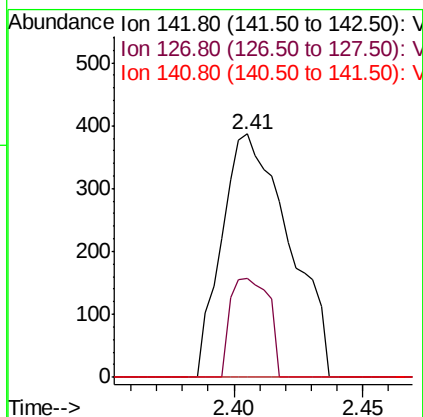
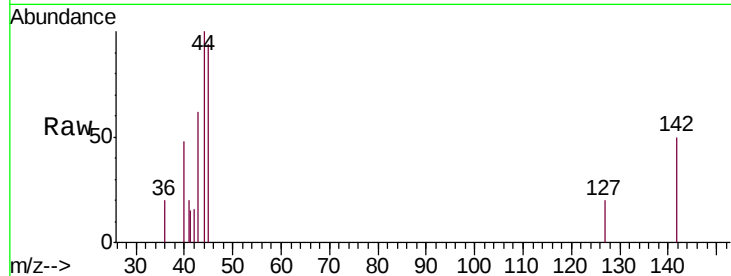




#10
Methyl Iodide
Concen: 3.983 ug/l
RT: 2.41 min Scan# 409
Delta R.T. 0.01 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

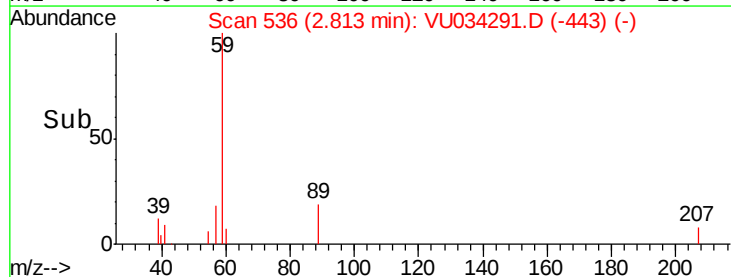
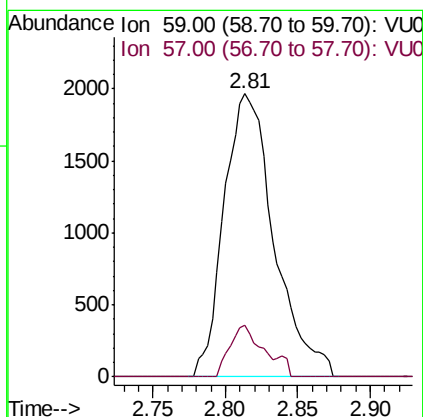
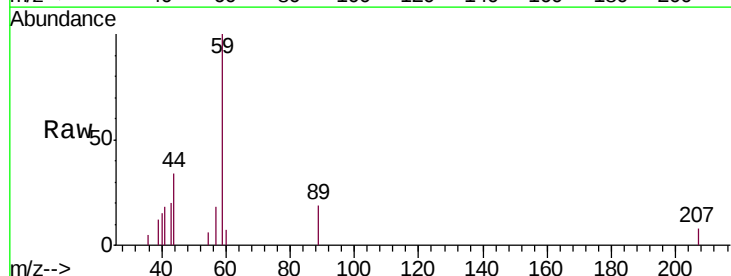
Instrument :
MSVOA_U
ClientSampleId :
20769

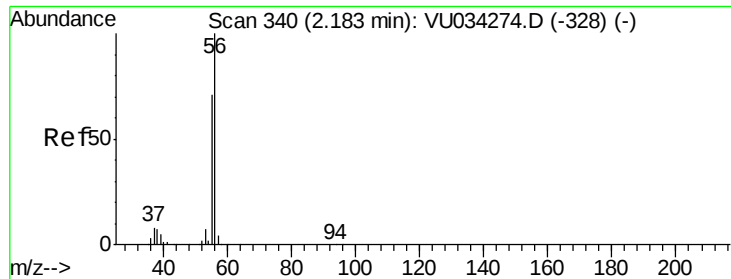
Tgt Ion: 142 Resp: 704
Ion Ratio Lower Upper
142 100
127 23.3 32.1 48.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.300 ug/l
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Tgt Ion: 59 Resp: 4731
Ion Ratio Lower Upper
59 100
57 12.6 7.9 11.9#





#13

Acrolein

Concen: 0.306 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

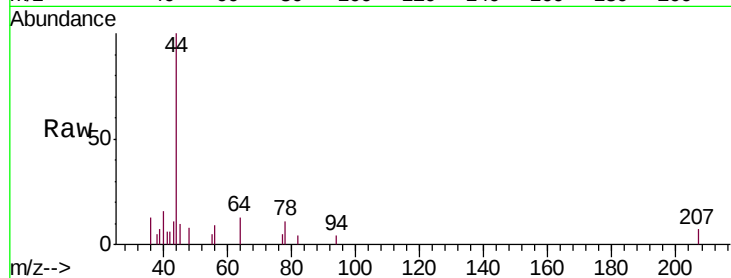
20769

Tgt Ion: 56 Resp: 369

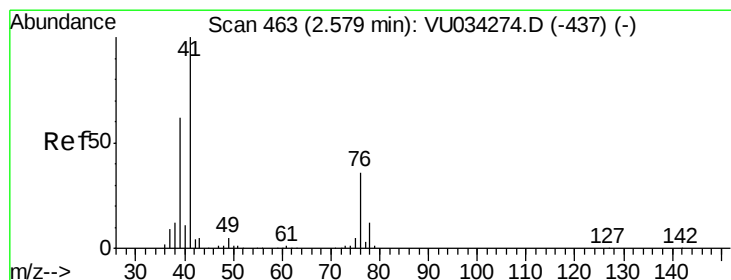
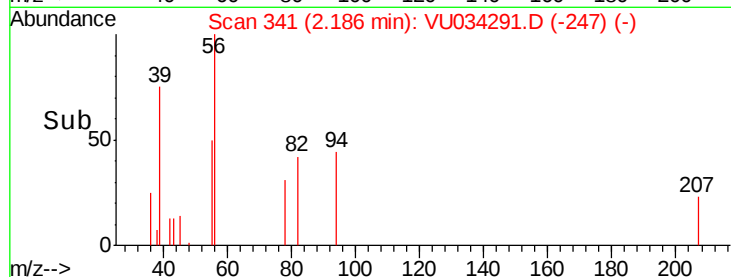
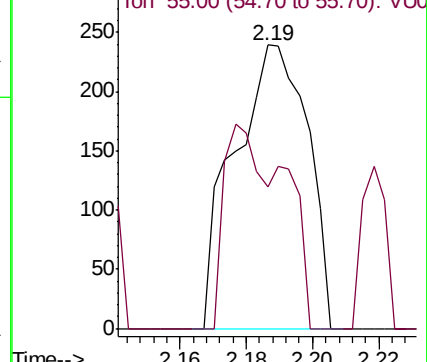
Ion Ratio Lower Upper

56 100

55 38.2 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 0.722 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.14 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

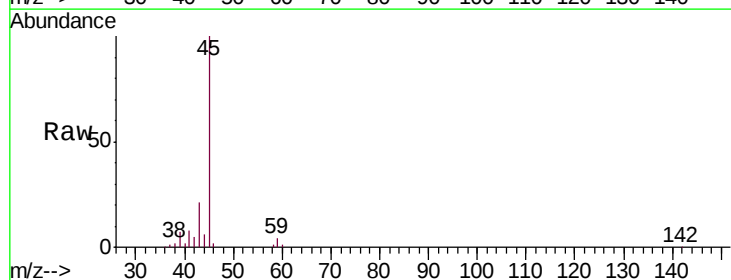
Tgt Ion: 41 Resp: 6737

Ion Ratio Lower Upper

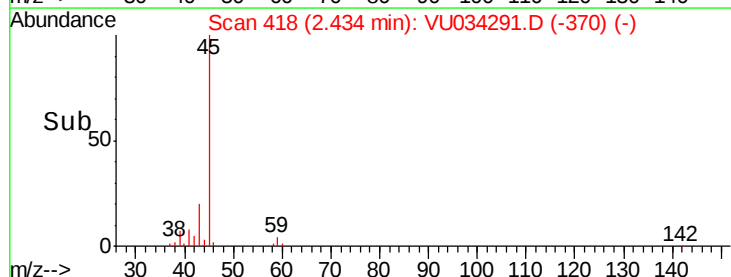
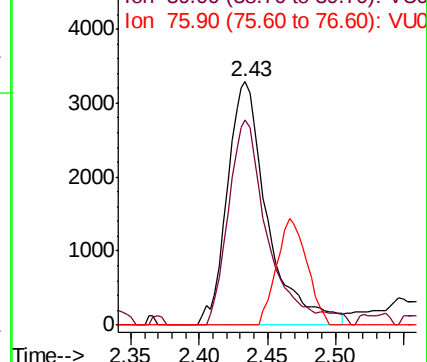
41 100

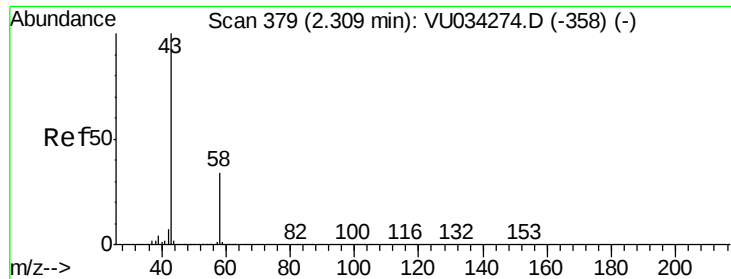
39 82.6 43.5 65.3#

76 0.0 27.0 40.6#



Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)





#16

Acetone

Concen: 7.909 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

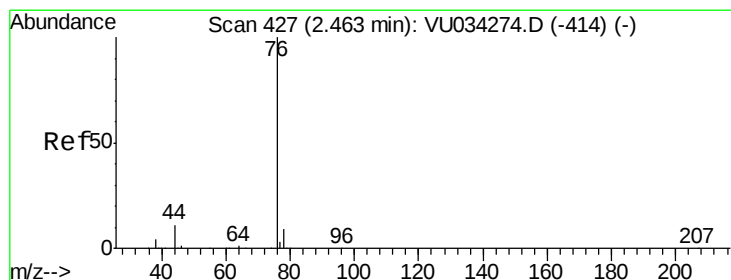
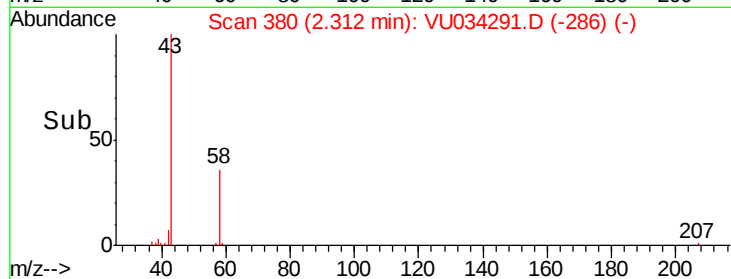
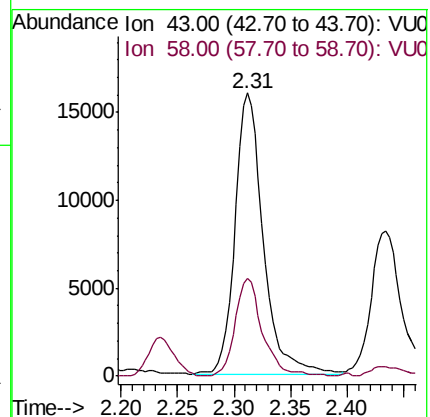
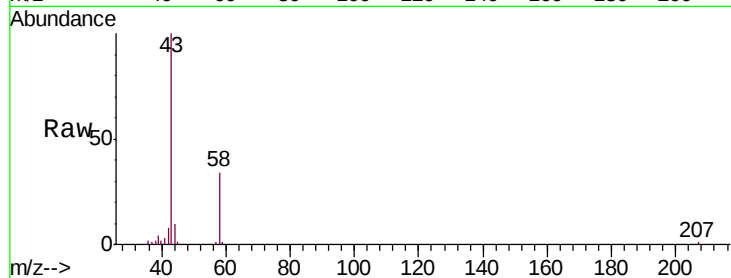
20769

Tgt Ion: 43 Resp: 27772

Ion Ratio Lower Upper

43 100

58 34.0 27.6 41.4



#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034291.D

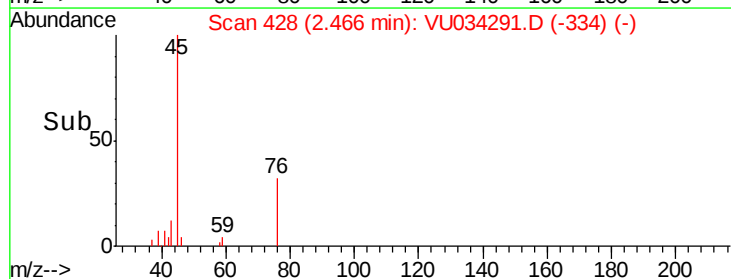
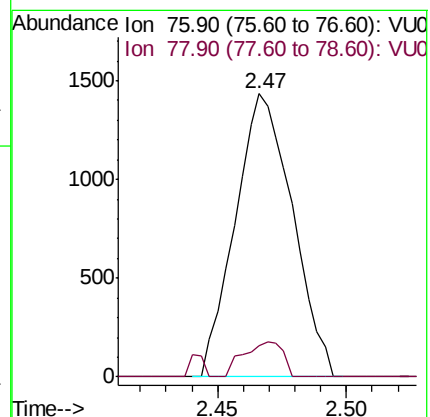
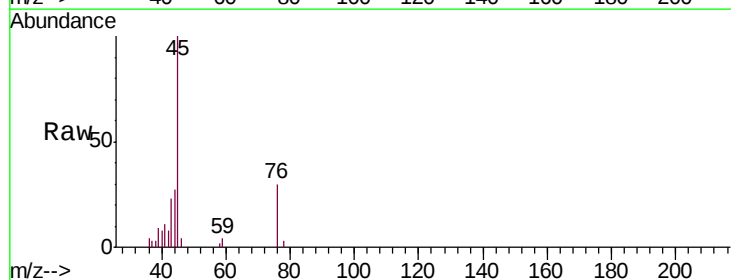
Acq: 05 Sep 2019 18:14

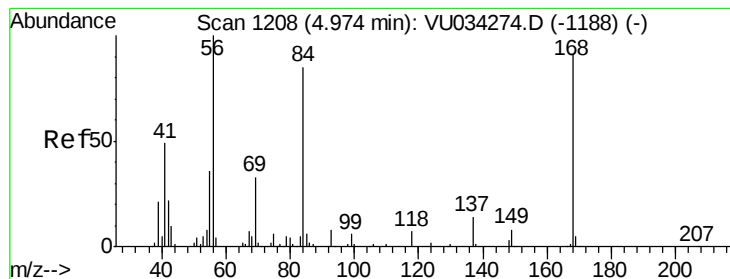
Tgt Ion: 76 Resp: 2218

Ion Ratio Lower Upper

76 100

78 10.8 7.2 10.8#





#31

Cyclohexane

Concen: 0.945 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

20769

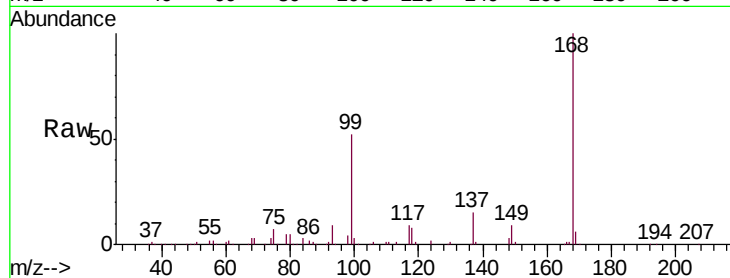
Tgt Ion: 56 Resp: 7509

Ion Ratio Lower Upper

56 100

69 184.3 26.7 40.1#

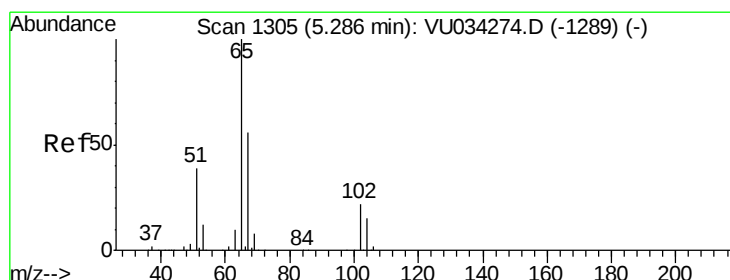
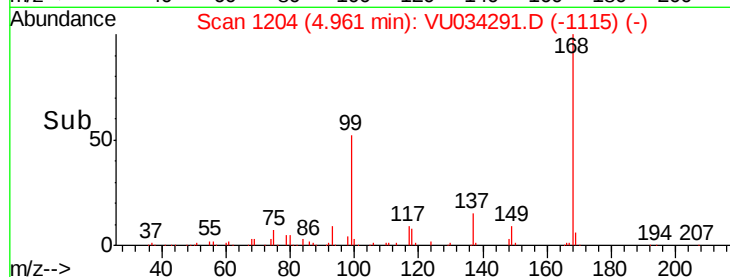
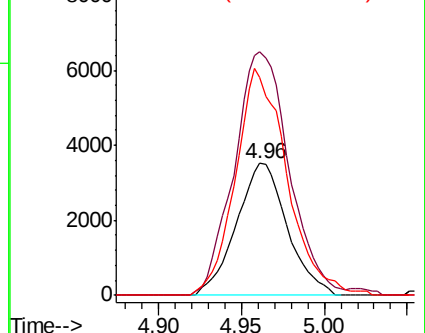
84 165.4 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034291.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034291.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034291.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 41.940 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034291.D

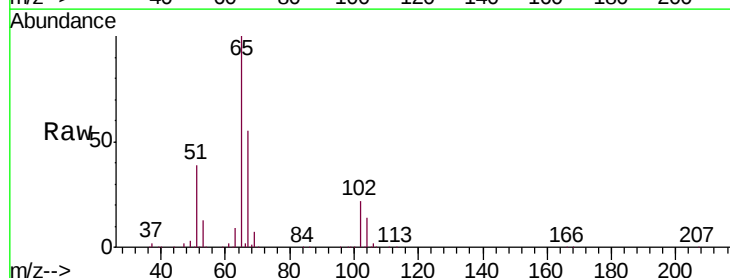
Acq: 05 Sep 2019 18:14

Tgt Ion: 65 Resp: 284569

Ion Ratio Lower Upper

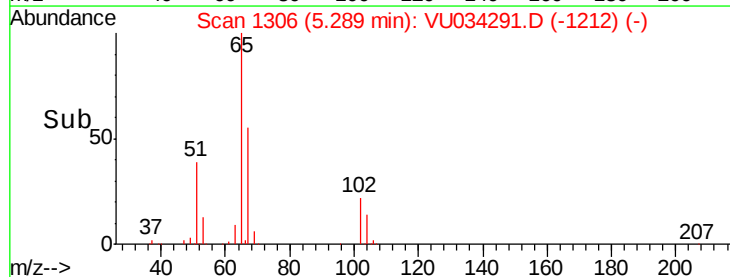
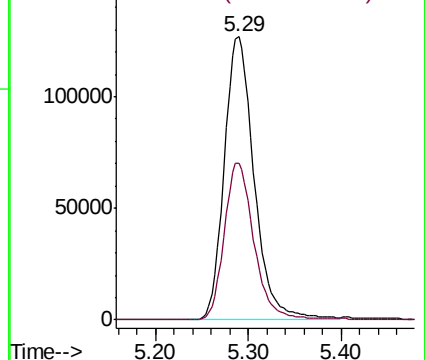
65 100

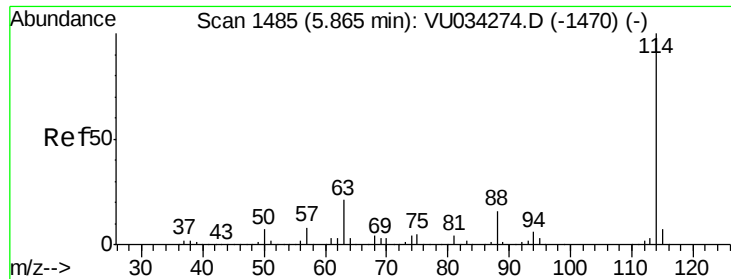
67 54.5 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034291.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034291.D (-1289) (-)

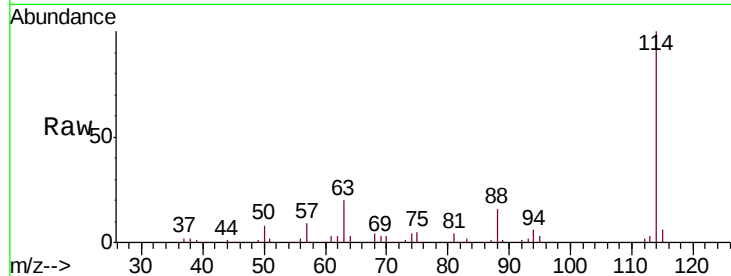




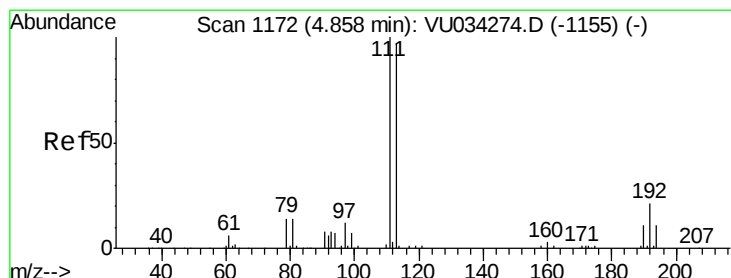
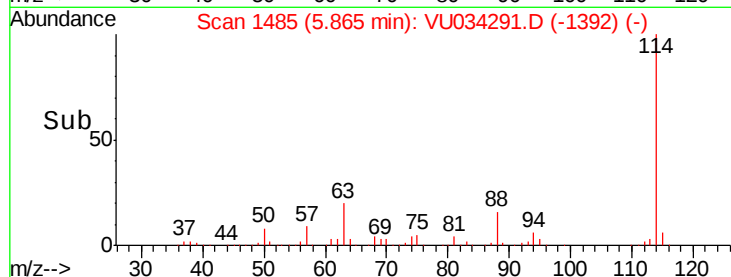
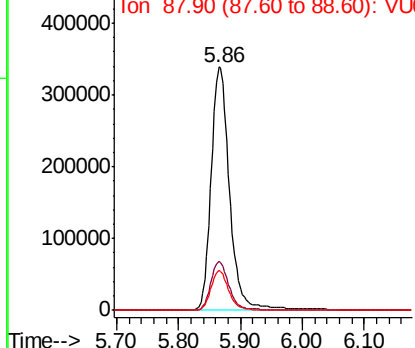
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034291.D
 Acq: 05 Sep 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 20769

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	16.4	0.0	32.4

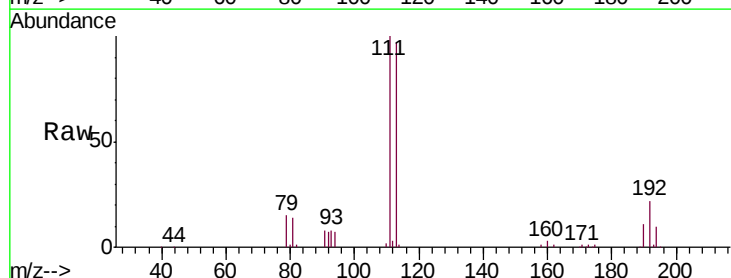


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

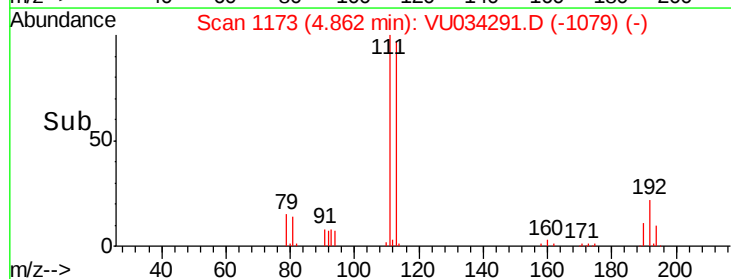
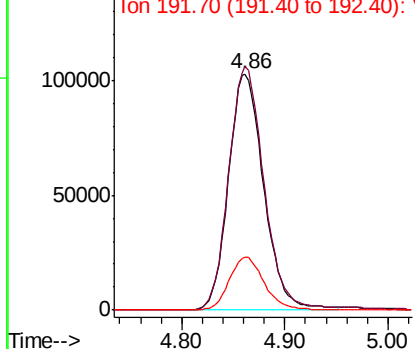


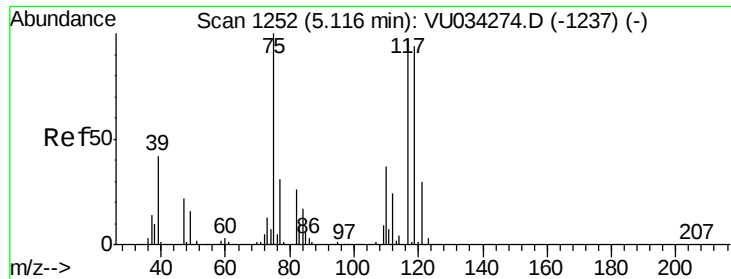
#35
 Dibromofluoromethane
 Concen: 37.460 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034291.D
 Acq: 05 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	22.3	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

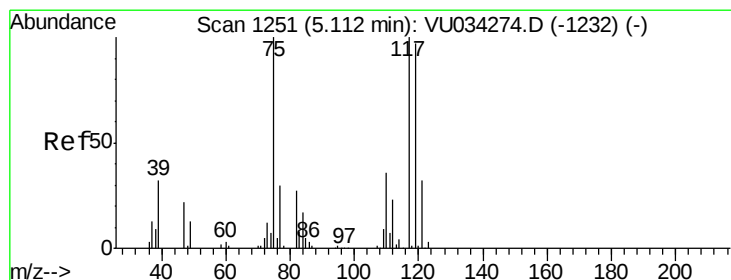
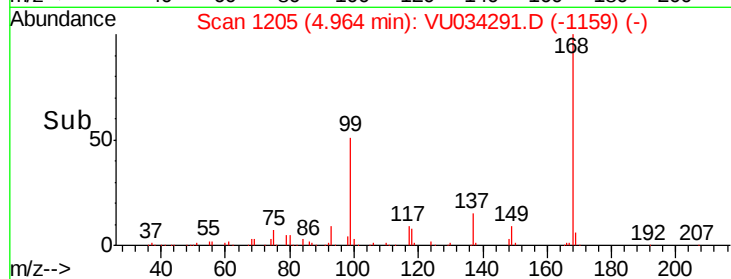
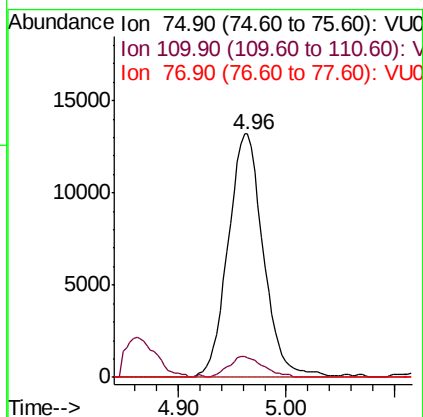
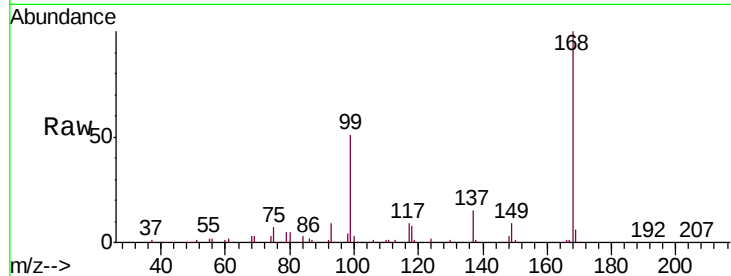




#36
 1,1-Dichloropropene
 Concen: 3.946 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034291.D
 Acq: 05 Sep 2019 18:14

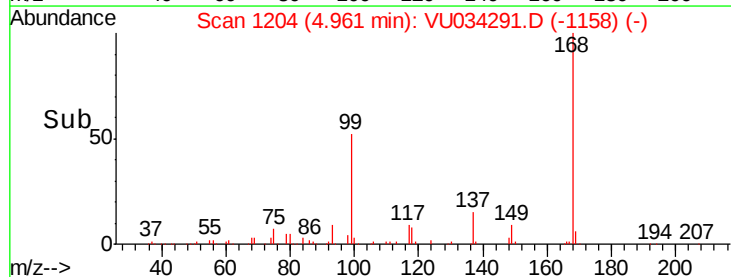
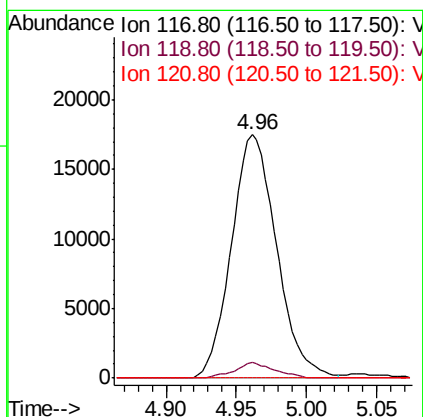
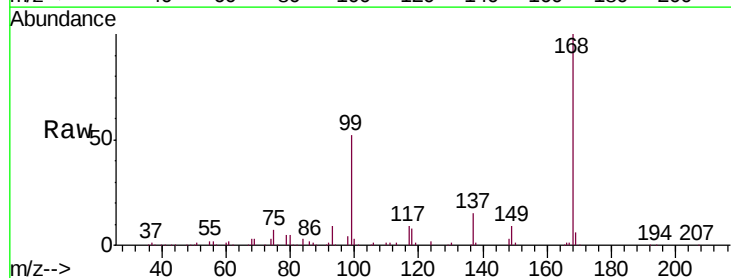
Instrument :
 MSVOA_U
 ClientSampled :
 20769

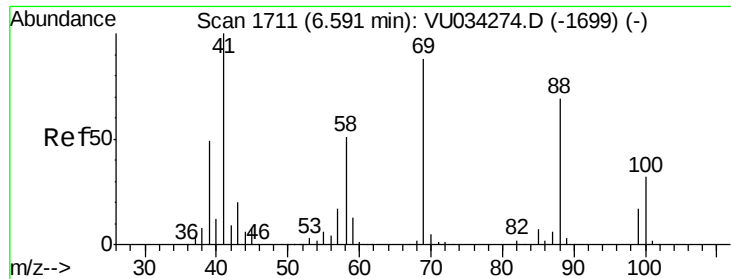
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.812 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034291.D
 Acq: 05 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.8	116.6#
121	0.0	25.2	37.8#

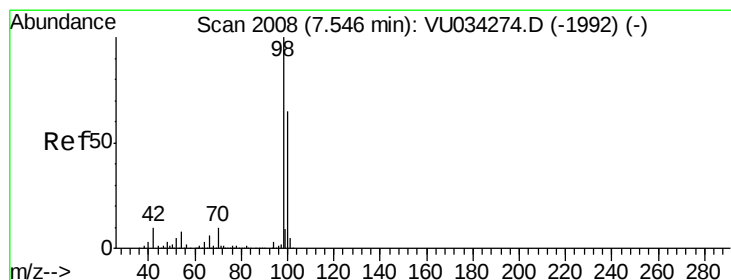
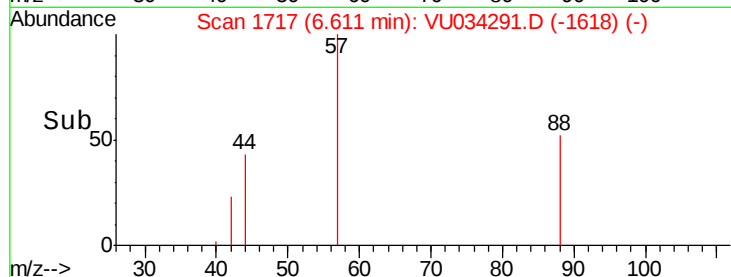
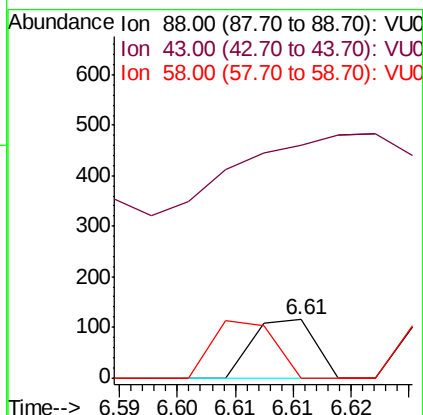
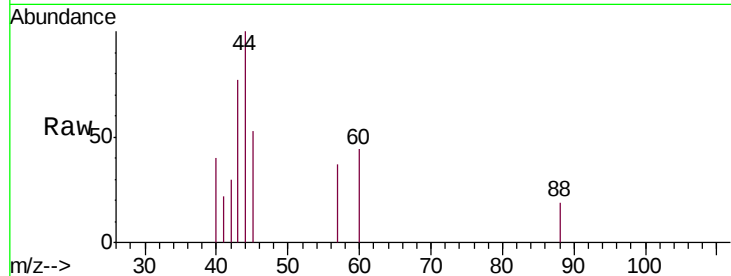




#49
1,4-Dioxane
Concen: 0.294 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.02 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

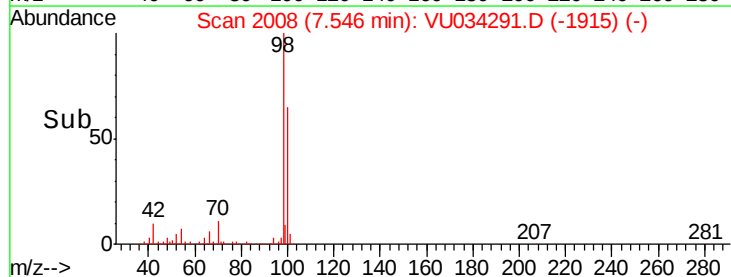
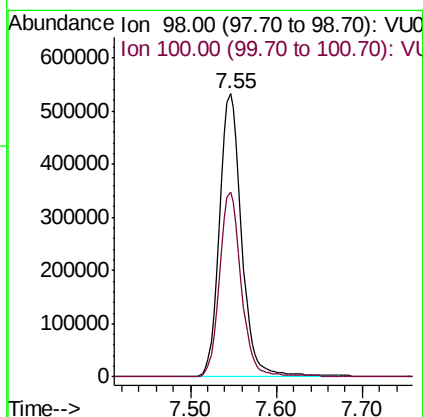
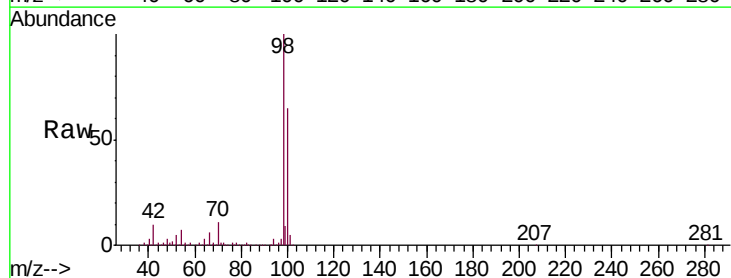
Instrument :
MSVOA_U
ClientSampleId :
20769

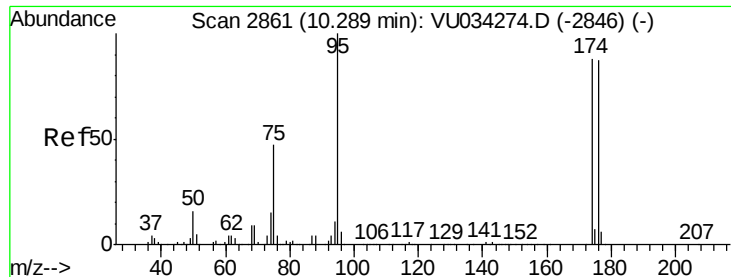
Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.6#
58 97.7 58.4 87.6#



#50
Toluene-d8
Concen: 38.825 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Tgt Ion: 98 Resp: 955768
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

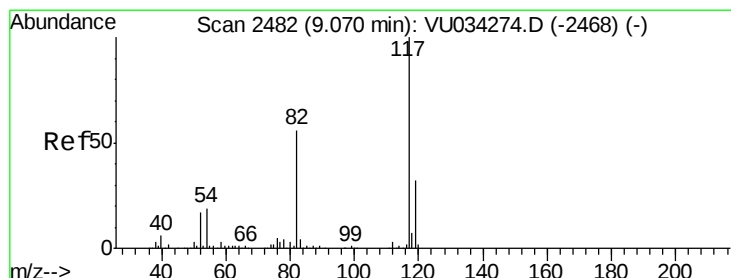
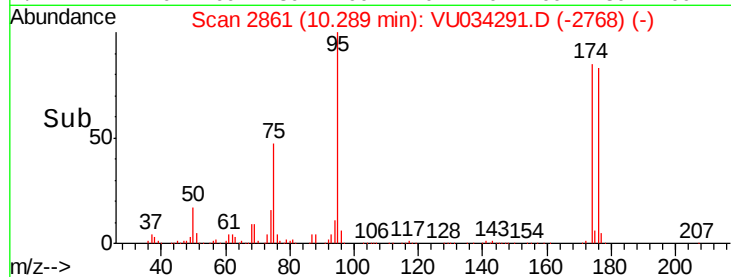
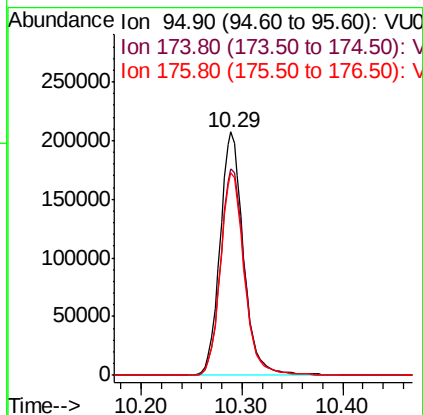
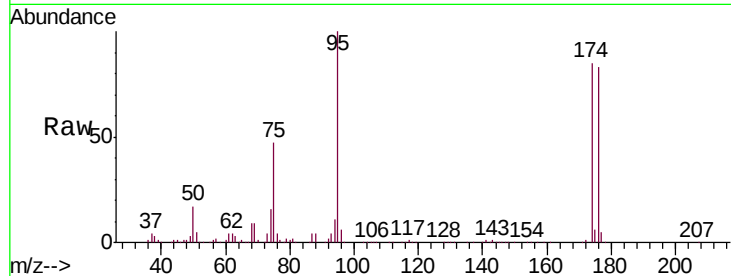




#62
4-Bromofluorobenzene
Concen: 35.493 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

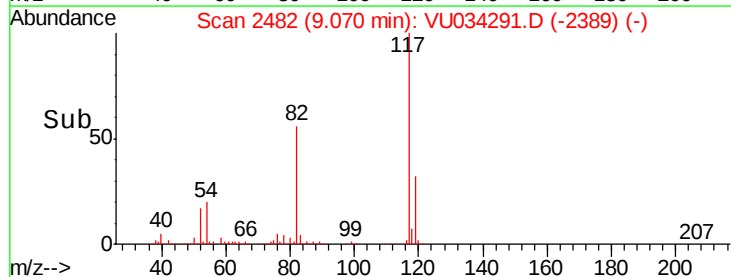
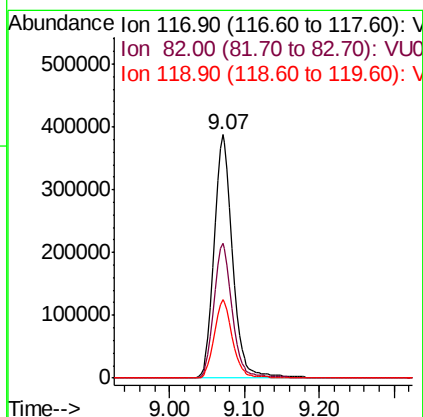
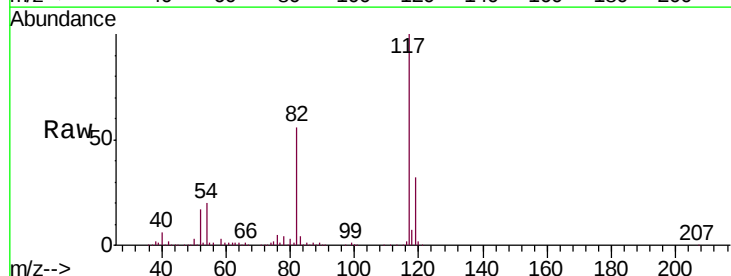
Instrument :
MSVOA_U
ClientSampleId :
20769

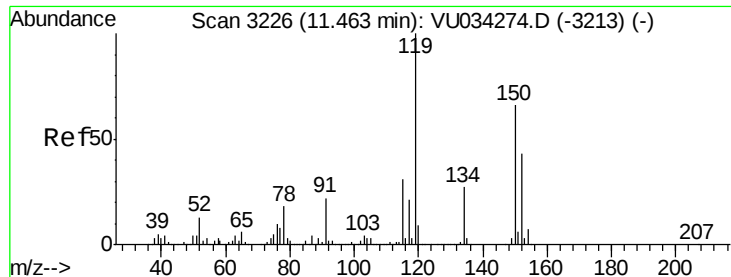
Tgt Ion: 95 Resp: 337346
Ion Ratio Lower Upper
95 100
174 87.3 0.0 175.2
176 84.2 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Tgt Ion: 117 Resp: 669872
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 32.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034291.D

Acq: 05 Sep 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

20769

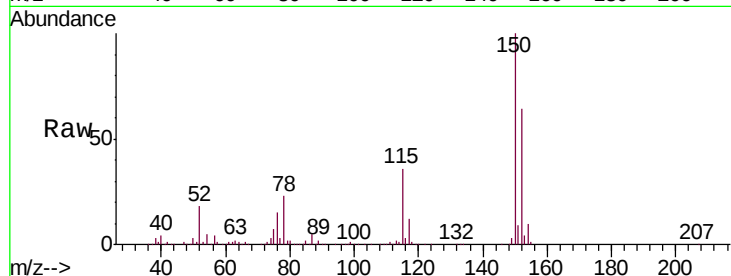
Tgt Ion:152 Resp: 339520

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

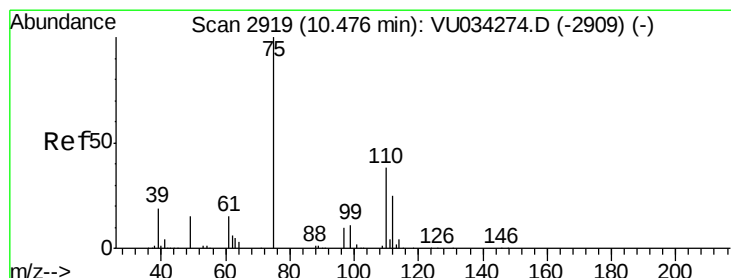
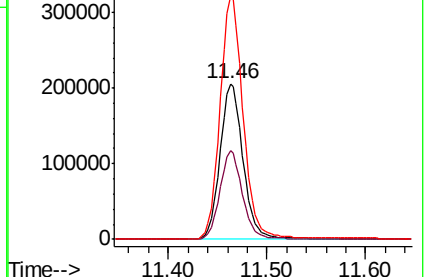
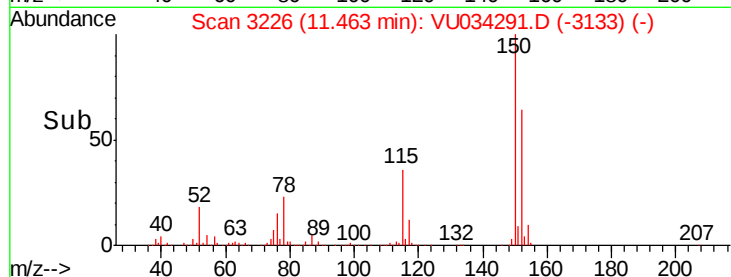
150 156.4 0.0 345.4



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: 21.399 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034291.D

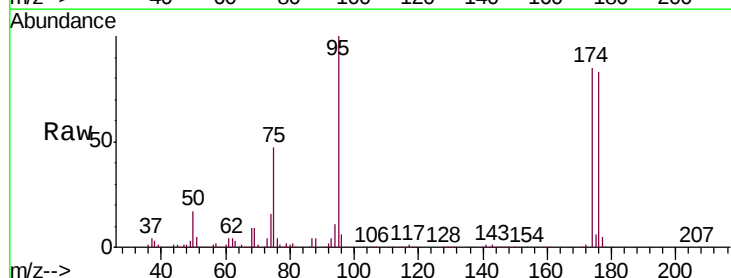
Acq: 05 Sep 2019 18:14

Tgt Ion: 75 Resp: 158594

Ion Ratio Lower Upper

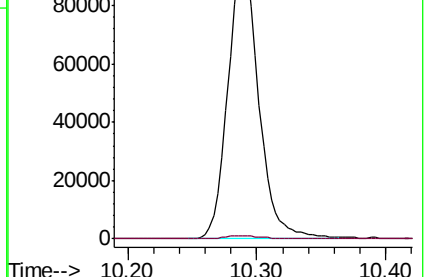
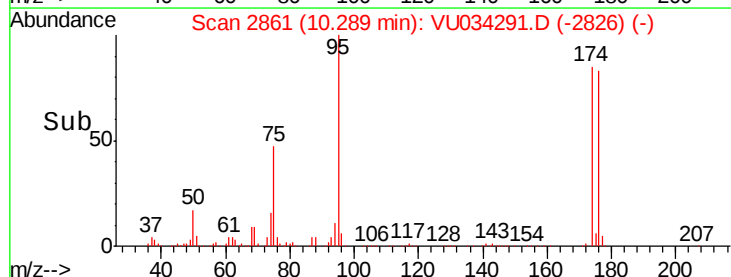
75 100

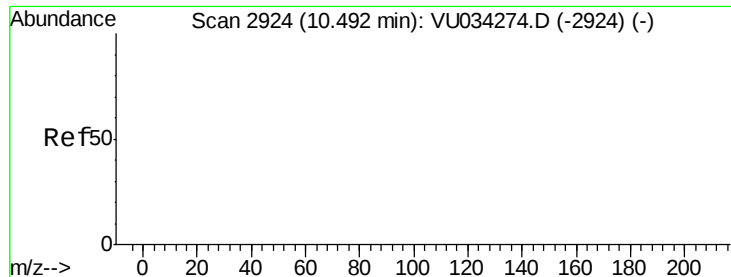
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

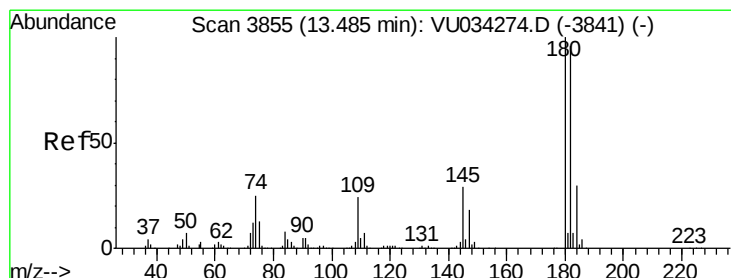
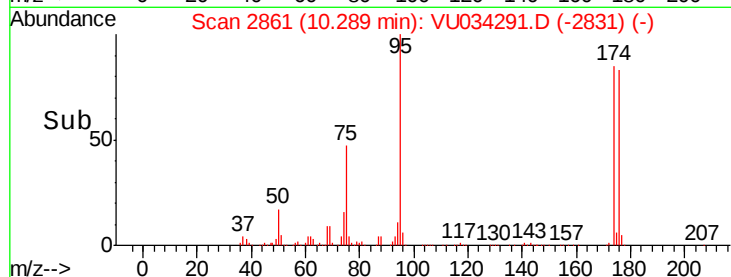
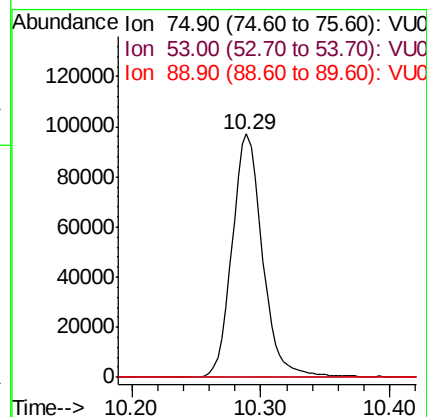
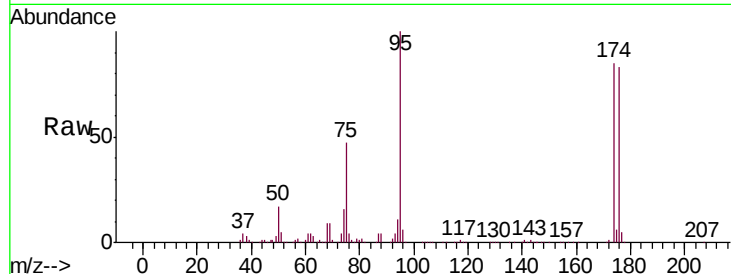




#81
trans-1,4-Dichloro-2-butene
Concen: 71.965 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.20 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

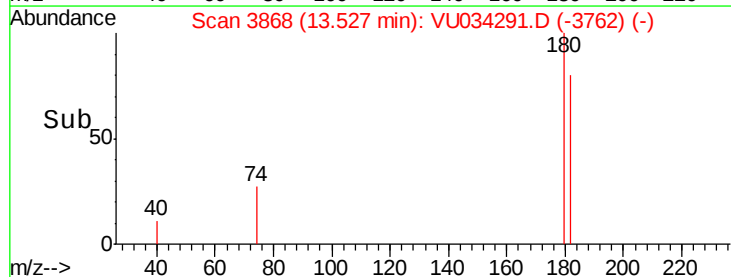
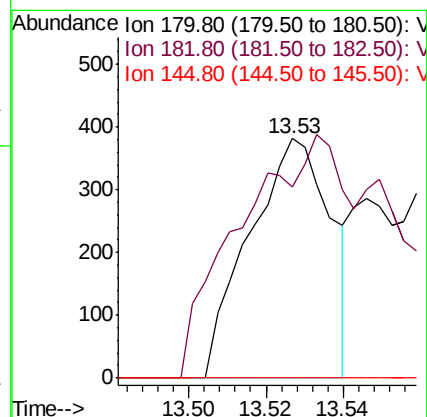
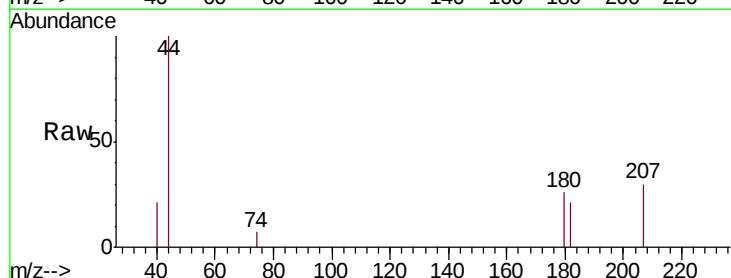
Instrument :
MSVOA_U
ClientSampleId :
20769

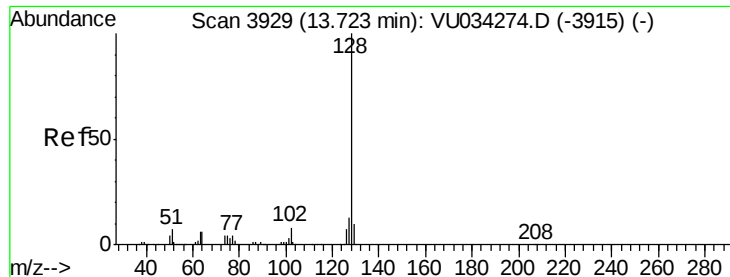
Tgt Ion: 75 Resp: 158594
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 3.516 ug/l
RT: 13.53 min Scan# 3868
Delta R.T. 0.04 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Tgt Ion: 180 Resp: 556
Ion Ratio Lower Upper
180 100
182 133.3 47.9 143.8
145 0.0 14.4 43.0#

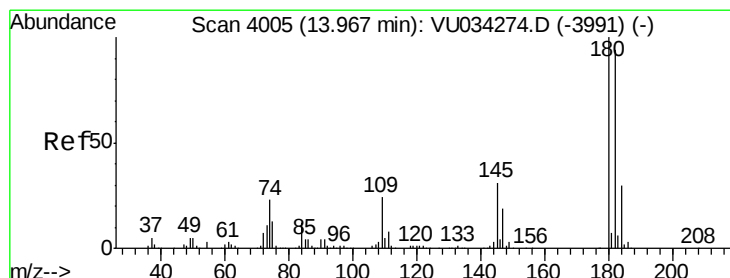
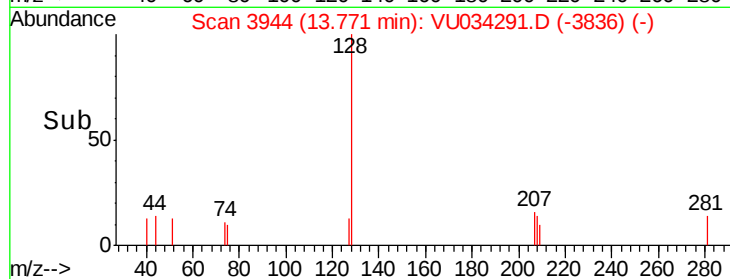
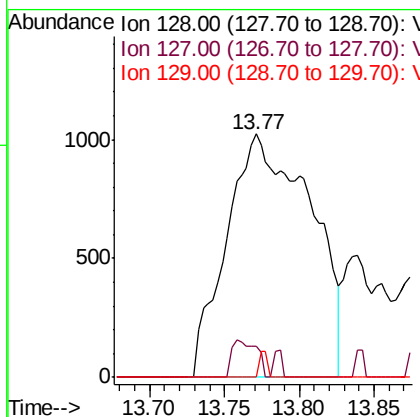
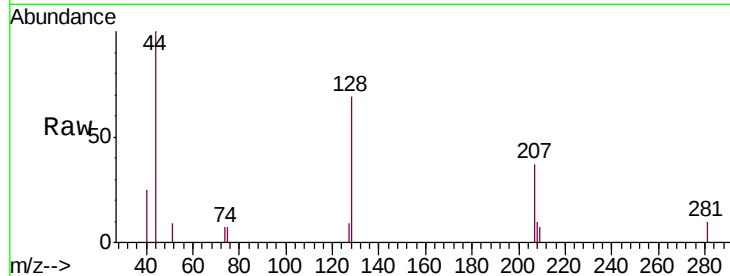




#95
Naphthalene
Concen: 4.128 ug/l
RT: 13.77 min Scan# 3944
Delta R.T. 0.05 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Instrument :
MSVOA_U
ClientSampled :
20769

Tgt Ion:128 Resp: 3990
Ion Ratio Lower Upper
128 100
127 1.1 10.6 15.8#
129 1.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 2.727 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.02 min
Lab File: VU034291.D
Acq: 05 Sep 2019 18:14

Tgt Ion:180 Resp: 721
Ion Ratio Lower Upper
180 100
182 117.9 48.4 145.0
145 25.7 15.4 46.4

