

Data File : VU034280.D
Acq On : 05 Sep 2019 13:49
Operator : JC/SP
Sample : K4697-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GW507-K2-5.0-10.0-090419

Quant Time: Sep 06 07:32:55 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	427705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	679829	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	650076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	327771	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	253501	39.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.34%	
35) Dibromofluoromethane	4.86	113	226075	35.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.48%	
50) Toluene-d8	7.55	98	854261	35.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.88%	
62) 4-Bromofluorobenzene	10.29	95	301284	32.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.66%	

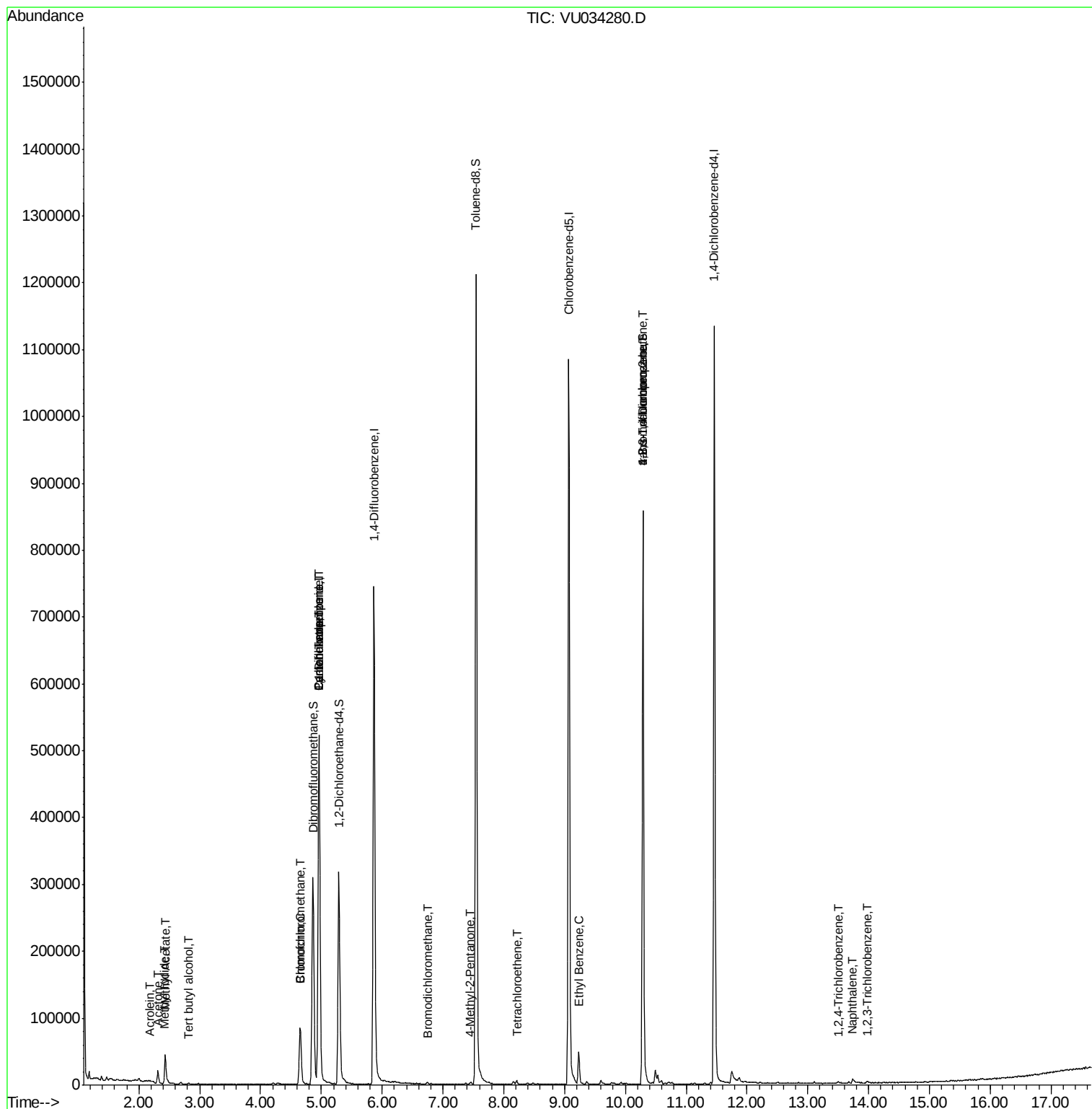
Target Compounds					Qvalue
5) Bromomethane	1.64	94	714	Below Cal	93
6) Chloroethane	1.70	64	88	Below Cal	# 43
10) Methyl Iodide	2.41	142	365	3.921 ug/l	# 57
11) Tert butyl alcohol	2.82	59	2036	1.489 ug/l	# 73
13) Acrolein	2.19	56	322	0.280 ug/l	# 44
16) Acetone	2.31	43	20314	6.066 ug/l	99
18) Methyl Acetate	2.43	43	10272	1.261 ug/l	# 52
20) Methylene Chloride	2.69	84	1167	Below Cal	85
28) Bromochloromethane	4.66	49	6100	1.280 ug/l	# 11
30) Chloroform	4.65	83	84685	8.041 ug/l	98
31) Cyclohexane	4.96	56	7511	0.991 ug/l	# 1
36) 1,1-Dichloropropene	4.96	75	30582	4.148 ug/l	# 48
38) Carbon Tetrachloride	4.96	117	39061	4.962 ug/l	# 16
47) Bromodichloromethane	6.74	83	2106	0.234 ug/l	# 95
51) 4-Methyl-2-Pentanone	7.45	43	3064	0.326 ug/l	# 79
64) Tetrachloroethene	8.22	164	1283	0.227 ug/l	92
67) Ethyl Benzene	9.23	91	36640	1.359 ug/l	98
76) 1,2,3-Trichloropropane	10.29	75	140971	19.703 ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.29	75	140971	66.261 ug/l	# 100
93) 1,2,4-Trichlorobenzene	13.50	180	1141	3.589 ug/l	94
95) Naphthalene	13.74	128	9537	4.368 ug/l	98
96) 1,2,3-Trichlorobenzene	13.98	180	1255	2.797 ug/l	80

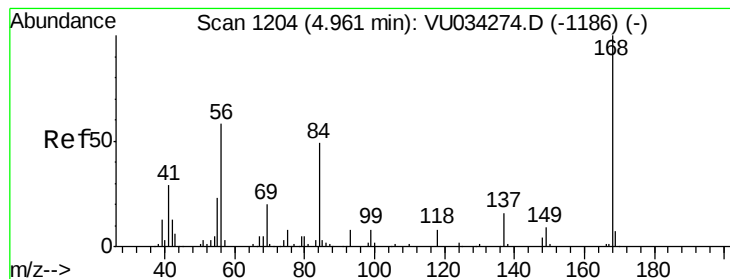
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034280.D

Acq: 05 Sep 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

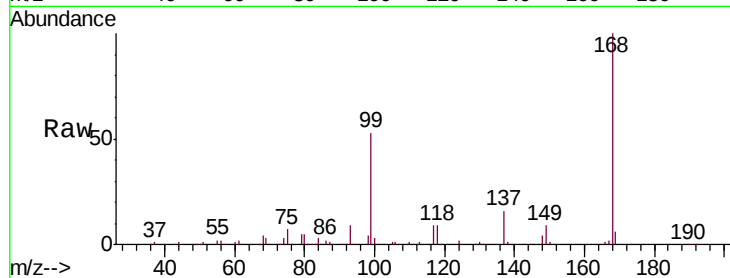
GW507-K2-5.0-10.0-090419

Tgt Ion:168 Resp: 427705

Ion Ratio Lower Upper

168 100

99 52.9 41.6 62.4



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

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

200000

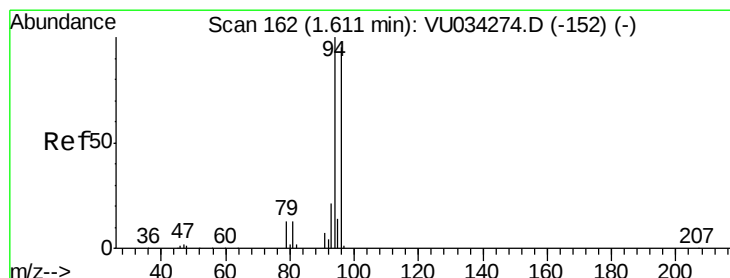
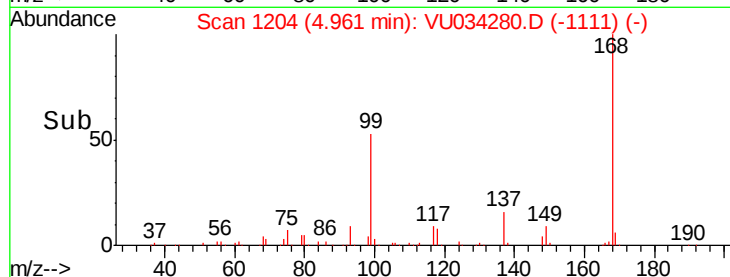
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 170

Delta R.T. 0.03 min

Lab File: VU034280.D

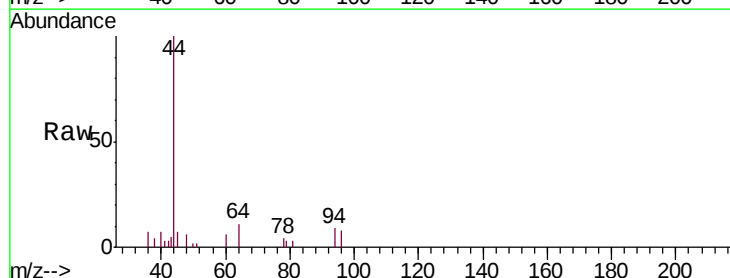
Acq: 05 Sep 2019 13:49

Tgt Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 87.4 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) (-)

1.64

400

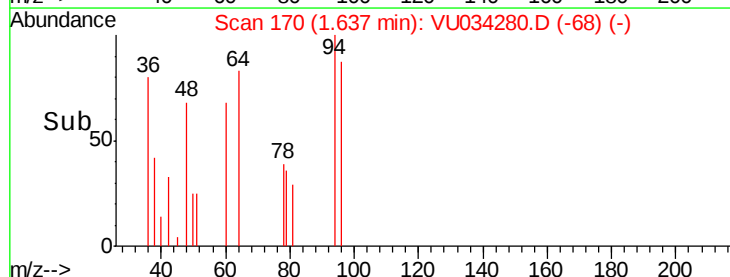
300

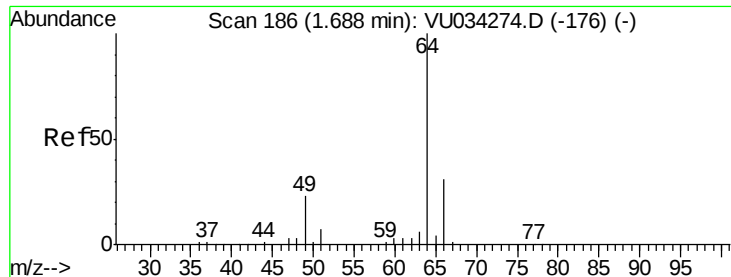
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

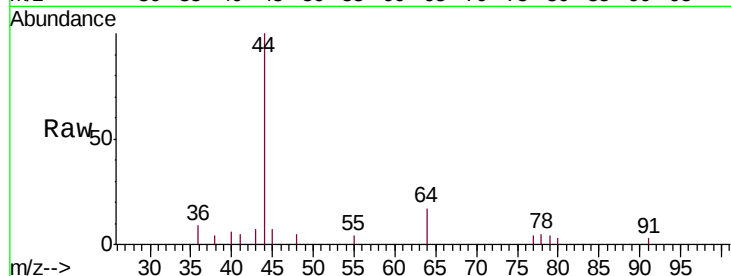
GW507-K2-5.0-10.0-090419

Tgt Ion: 64 Resp: 88

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

1.70

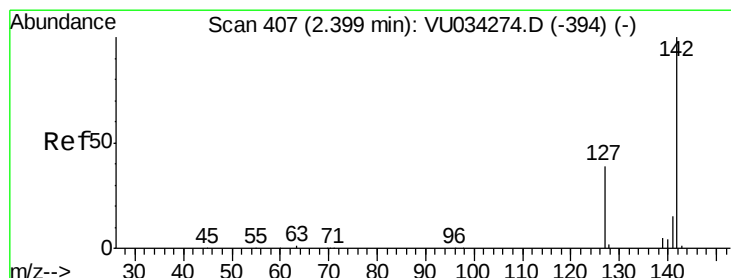
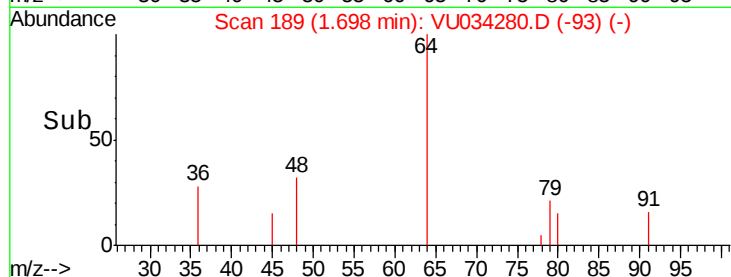
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 3.921 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

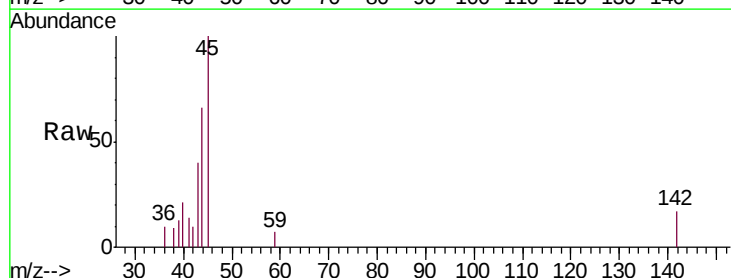
Tgt Ion: 142 Resp: 365

Ion Ratio Lower Upper

142 100

127 12.1 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

2.41

300

250

200

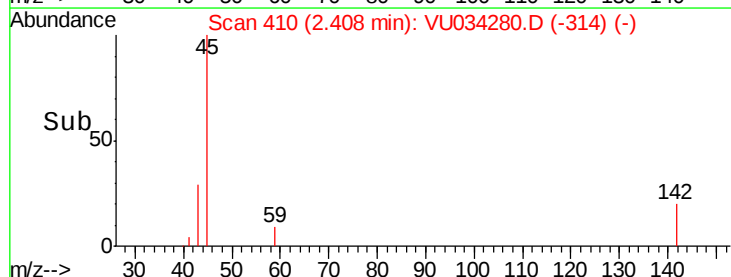
150

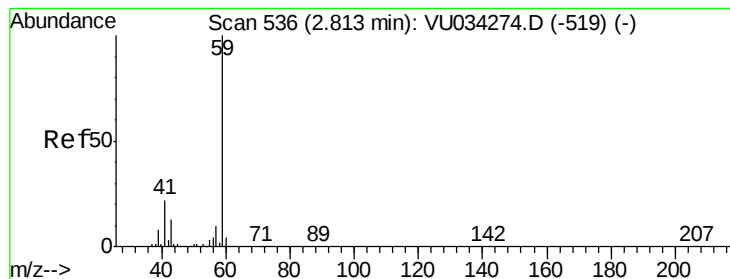
100

50

0

Time-->



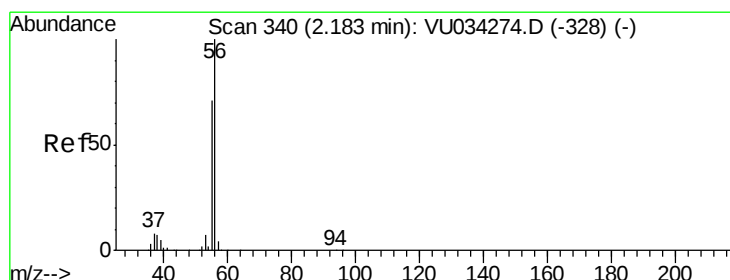
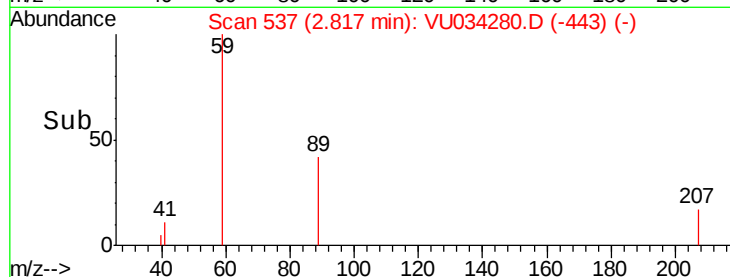
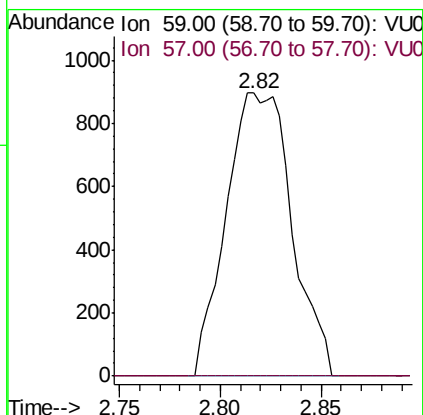
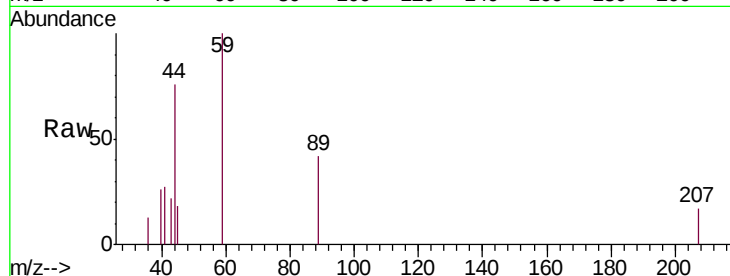


#11

Tert butyl alcohol
 Concen: 1.489 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

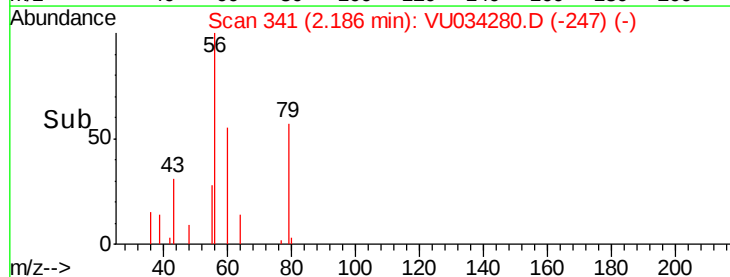
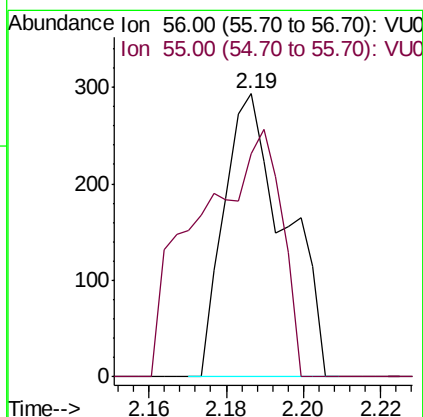
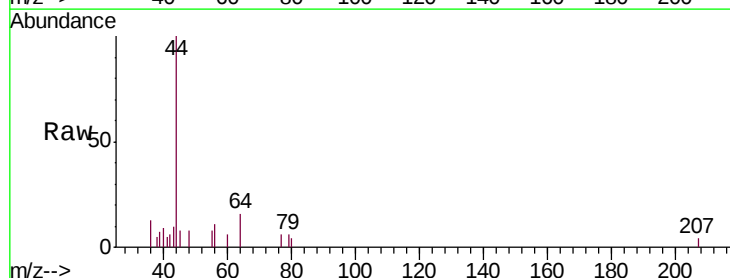
Tgt Ion: 59 Resp: 2036
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

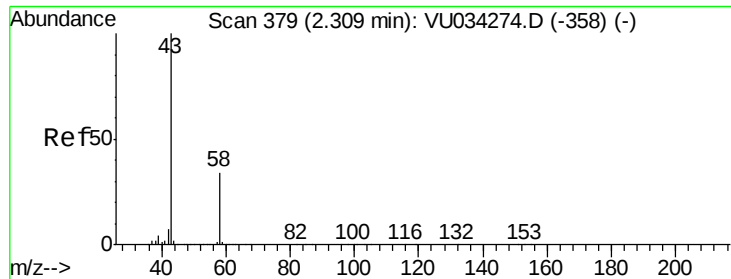


#13

Acrolein
 Concen: 0.280 ug/l
 RT: 2.19 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Tgt Ion: 56 Resp: 322
 Ion Ratio Lower Upper
 56 100
 55 118.3 57.4 86.2#





#16

Acetone

Concen: 6.066 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

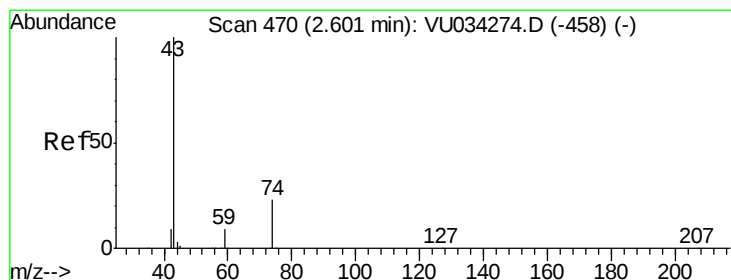
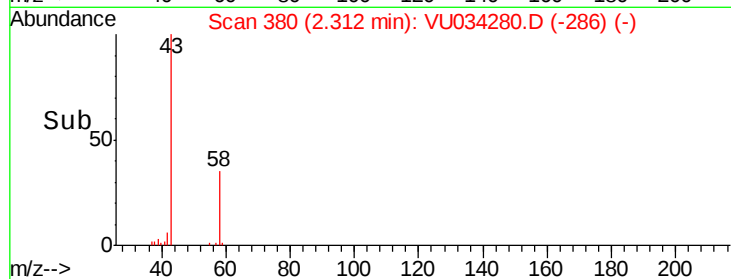
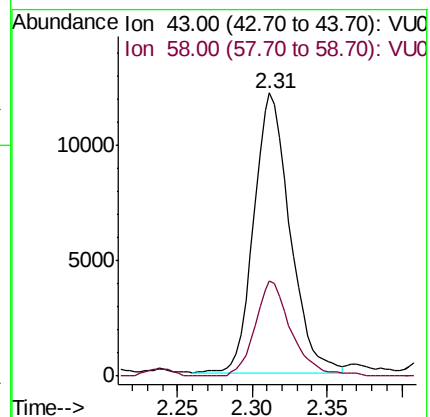
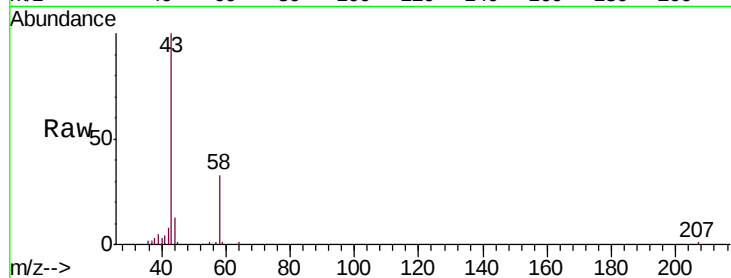
GW507-K2-5.0-10.0-090419

Tgt Ion: 43 Resp: 20314

Ion Ratio Lower Upper

43 100

58 33.9 27.6 41.4



#18

Methyl Acetate

Concen: 1.261 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.17 min

Lab File: VU034280.D

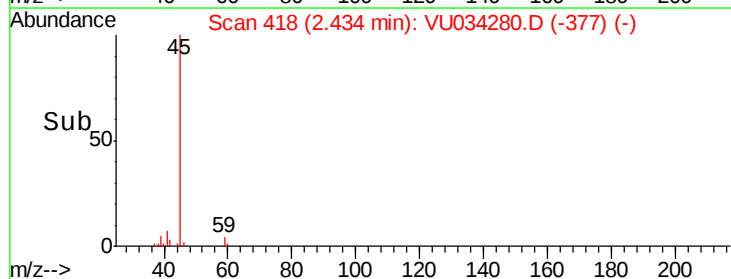
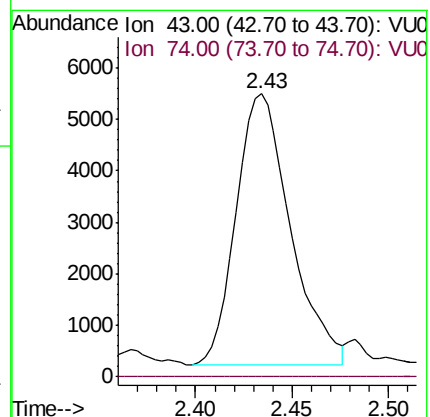
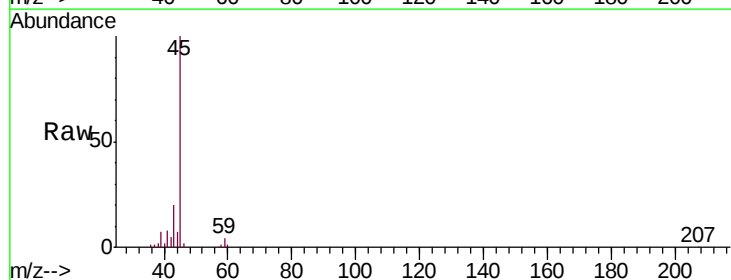
Acq: 05 Sep 2019 13:49

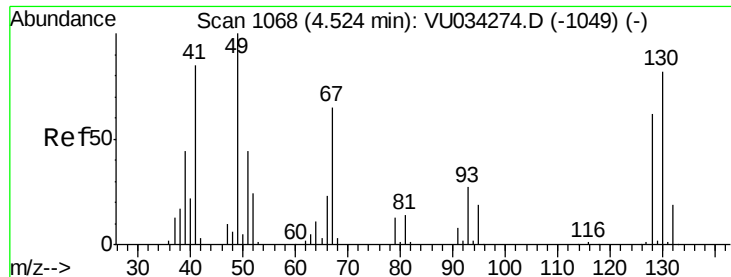
Tgt Ion: 43 Resp: 10272

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#28

Bromochloromethane

Concen: 1.280 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

GW507-K2-5.0-10.0-090419

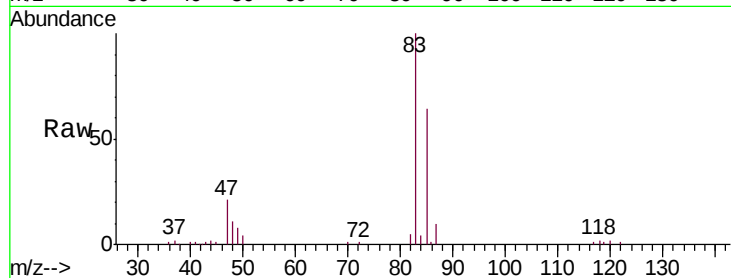
Tgt Ion: 49 Resp: 6100

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 65.2 97.8#

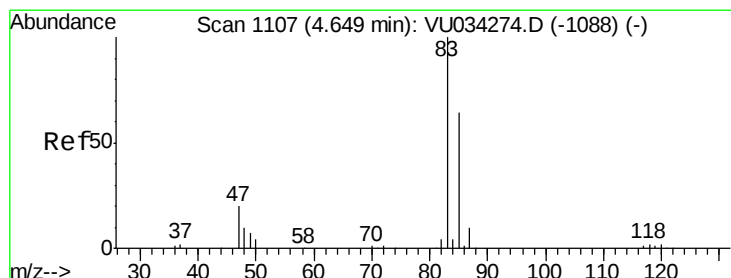
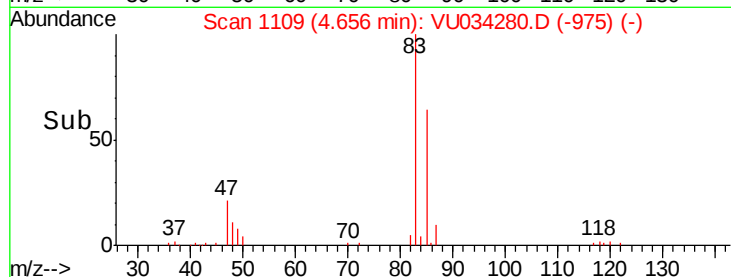
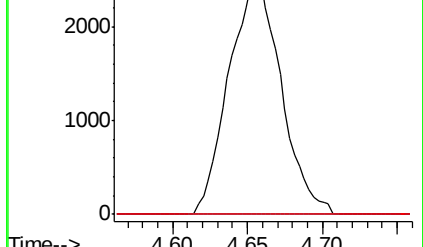


Abundance Ion 48.90 (48.60 to 49.60): VU034280.D (-975) (-)

Ion 128.80 (128.50 to 129.50): VU034280.D (-975) (-)

Ion 129.80 (129.50 to 130.50): VU034280.D (-975) (-)

Time-->



#30

Chloroform

Concen: 8.041 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034280.D

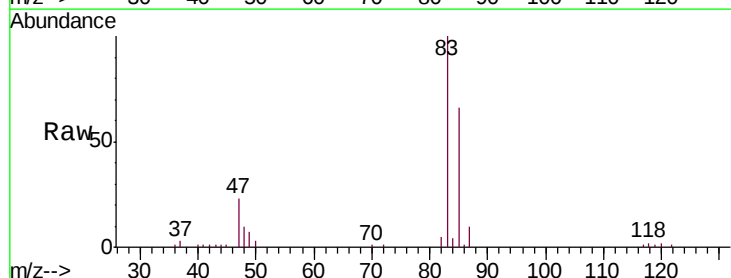
Acq: 05 Sep 2019 13:49

Tgt Ion: 83 Resp: 84685

Ion Ratio Lower Upper

83 100

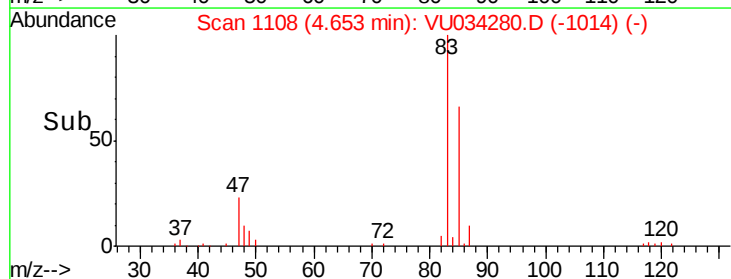
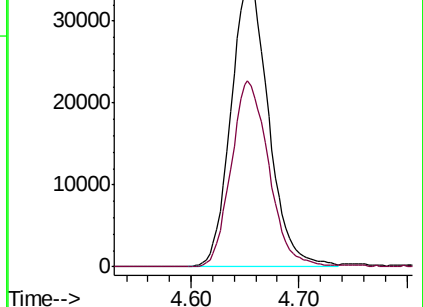
85 65.9 51.5 77.3

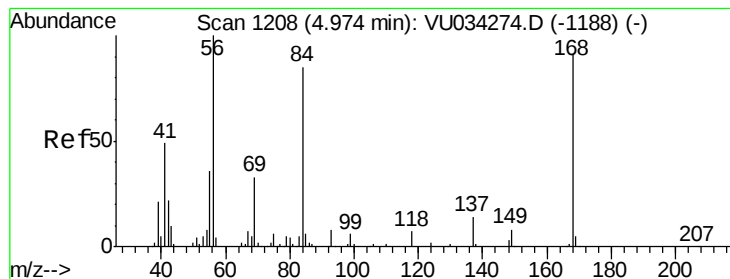


Abundance Ion 82.90 (82.60 to 83.60): VU034280.D (-1014) (-)

Ion 84.90 (84.60 to 85.60): VU034280.D (-1014) (-)

Time-->





#31

Cyclohexane

Concen: 0.991 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

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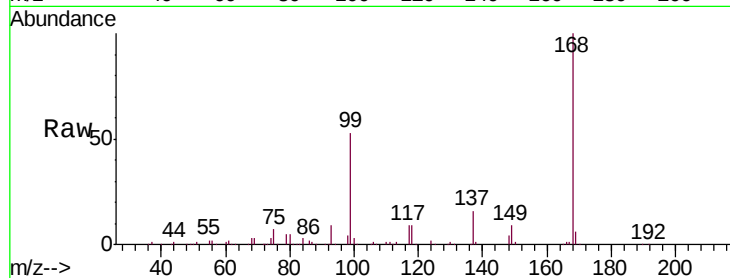
Tgt Ion: 56 Resp: 7511

Ion Ratio Lower Upper

56 100

69 186.5 26.7 40.1#

84 162.9 68.2 102.4#

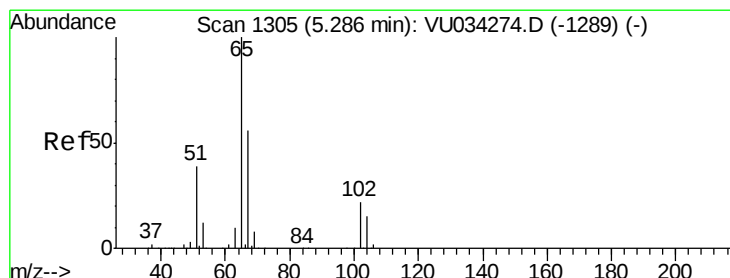
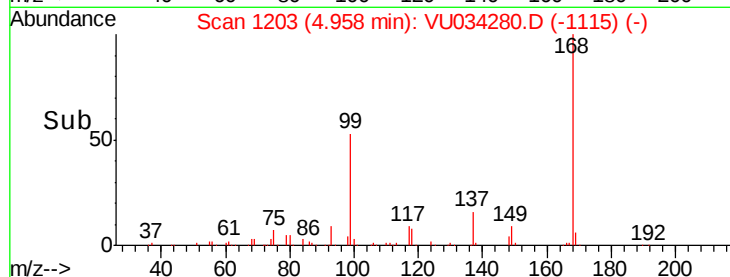
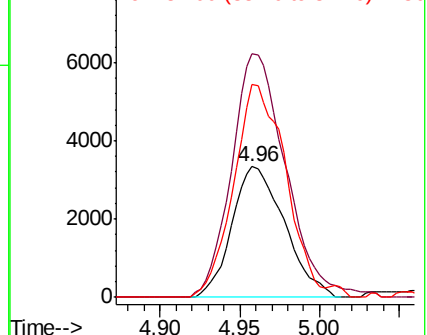


Abundance

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: 39.173 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034280.D

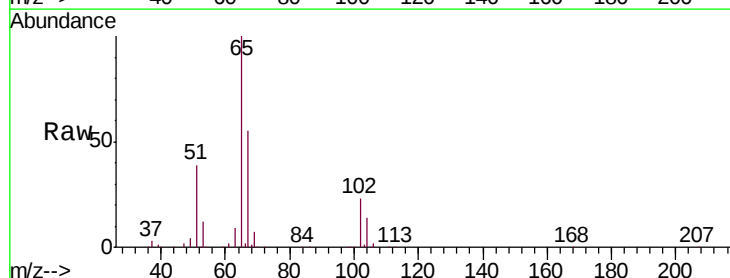
Acq: 05 Sep 2019 13:49

Tgt Ion: 65 Resp: 253501

Ion Ratio Lower Upper

65 100

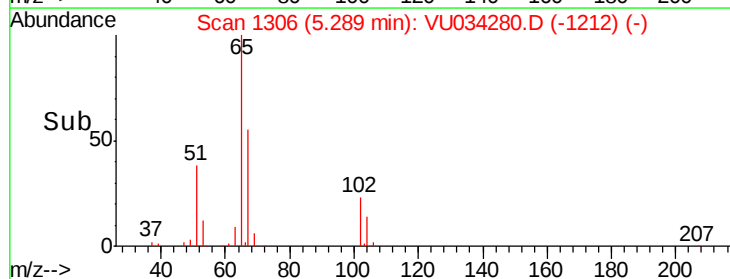
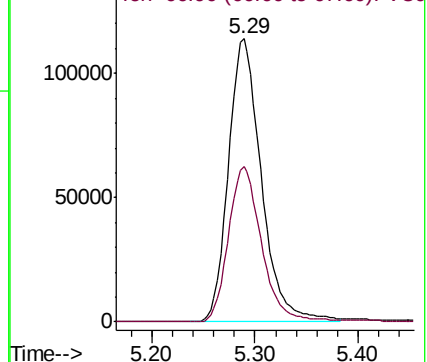
67 55.2 0.0 112.4

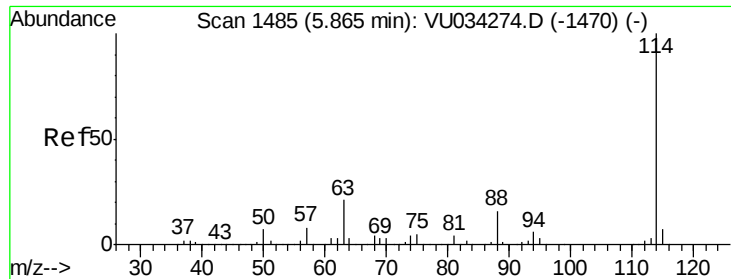


Abundance

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: VU034280.D

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ClientSampleId :

GW507-K2-5.0-10.0-090419

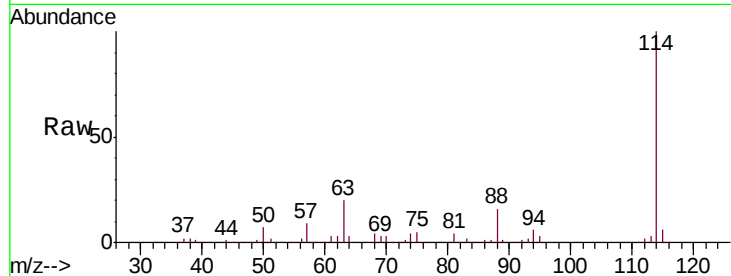
Tgt Ion:114 Resp: 679829

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

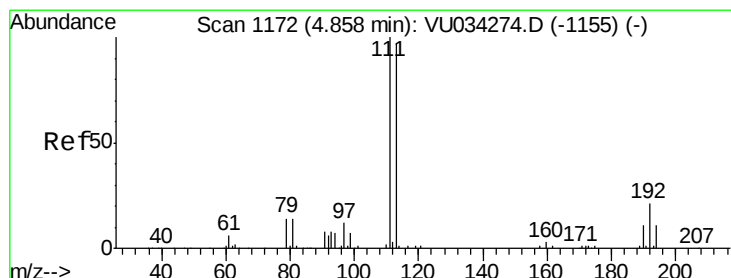
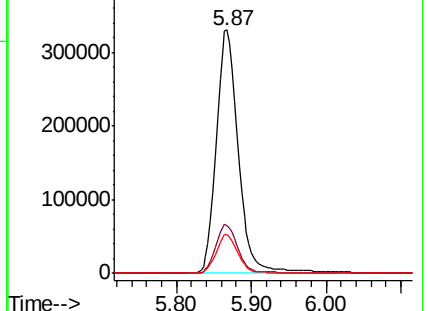
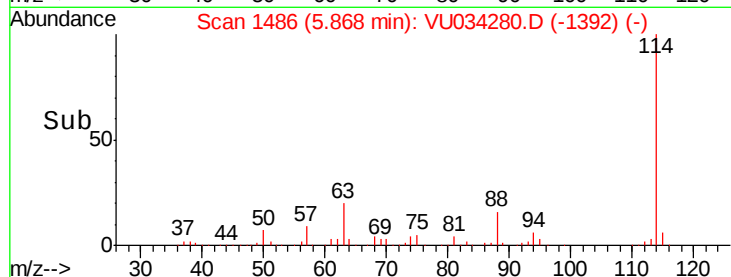
88 15.7 0.0 32.4



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: 35.738 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

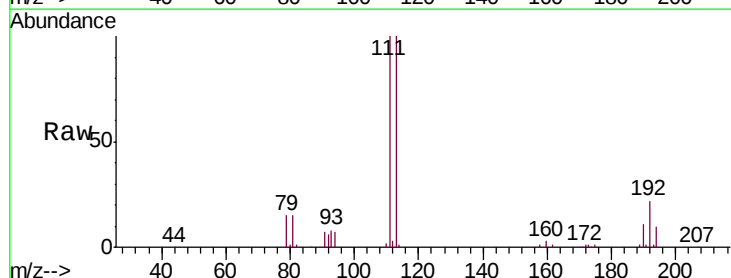
Tgt Ion:113 Resp: 226075

Ion Ratio Lower Upper

113 100

111 100.5 81.5 122.3

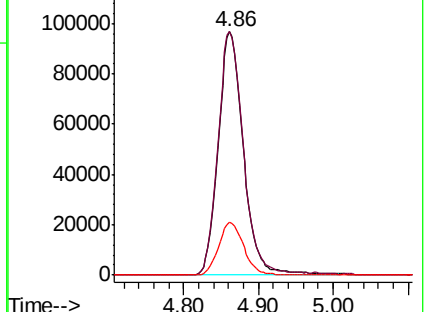
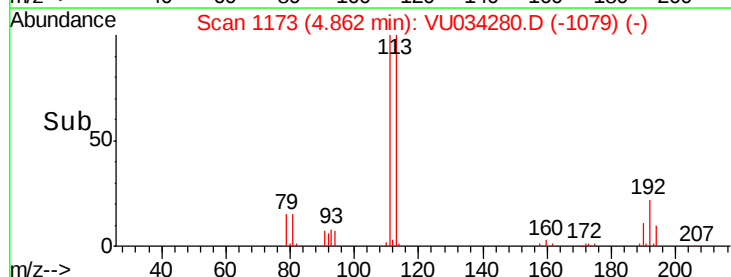
192 21.7 17.8 26.8

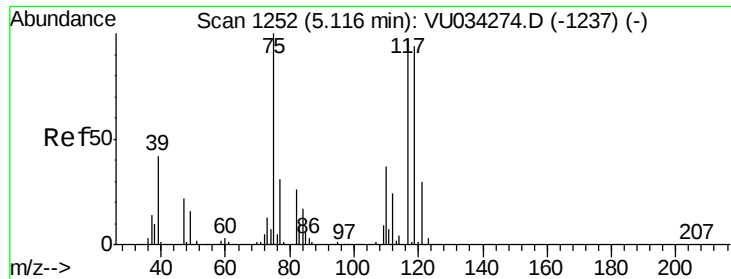


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

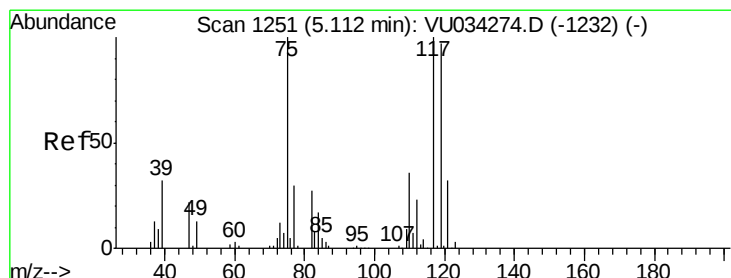
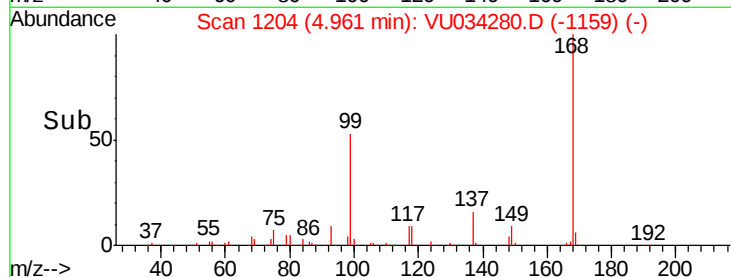
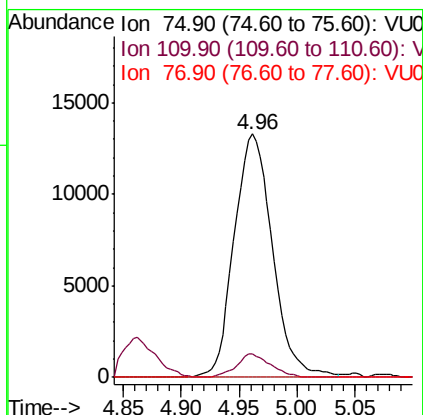
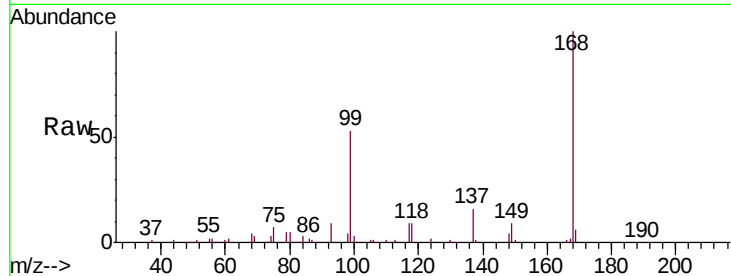




#36
 1,1-Dichloropropene
 Concen: 4.148 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

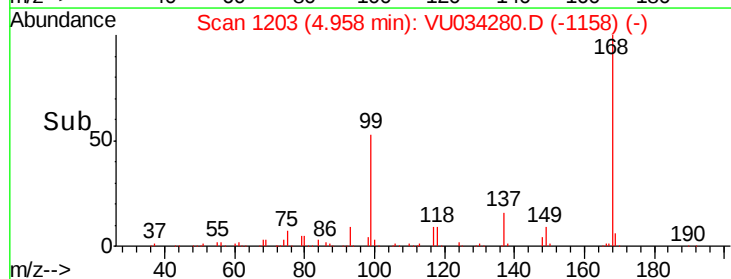
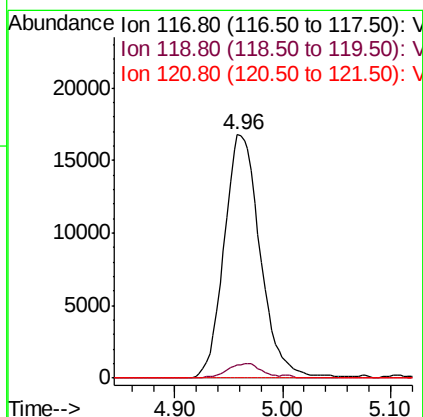
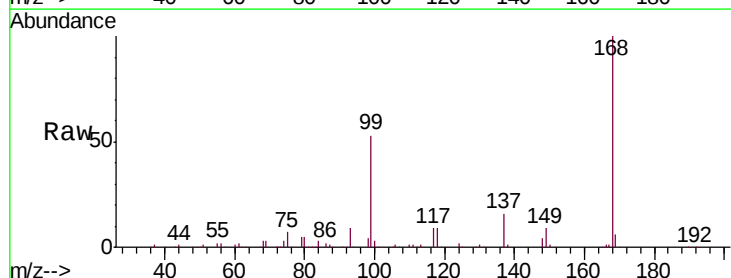
Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

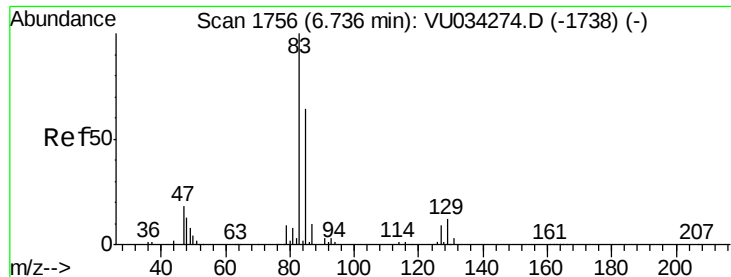
Tgt Ion: 75 Resp: 30582
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.962 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Tgt Ion: 117 Resp: 39061
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.8 116.6#
 121 0.0 25.2 37.8#





#47

Bromodichloromethane

Concen: 0.234 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VU034280.D

Acq: 05 Sep 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

GW507-K2-5.0-10.0-090419

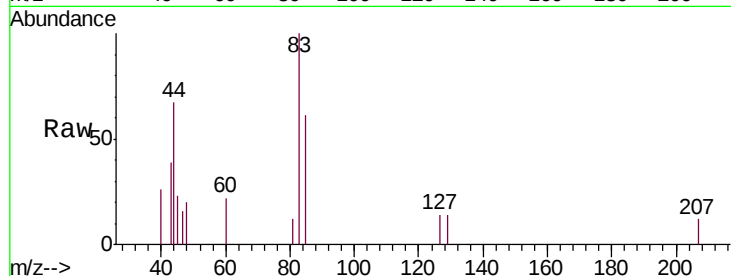
Tgt Ion: 83 Resp: 2106

Ion Ratio Lower Upper

83 100

85 61.0 51.1 76.7

127 13.5 7.2 10.8#

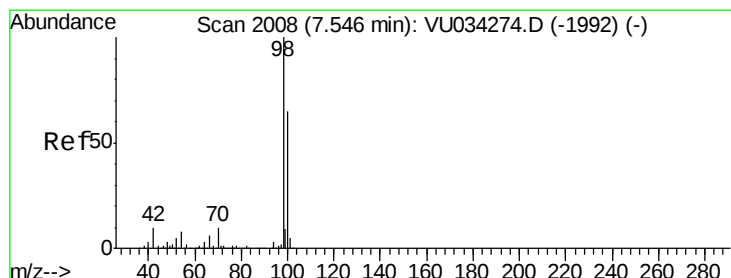
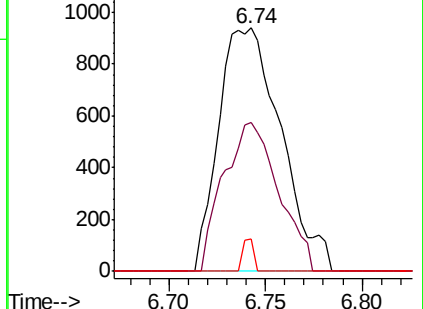
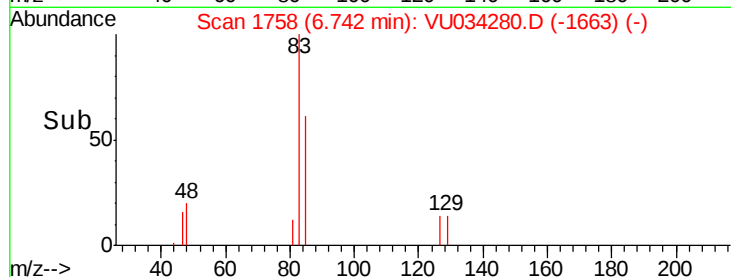


Abundance Ion 82.90 (82.60 to 83.60): VU034280.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034280.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034280.D (-1663) (-)

Time-->



#50

Toluene-d8

Concen: 35.944 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034280.D

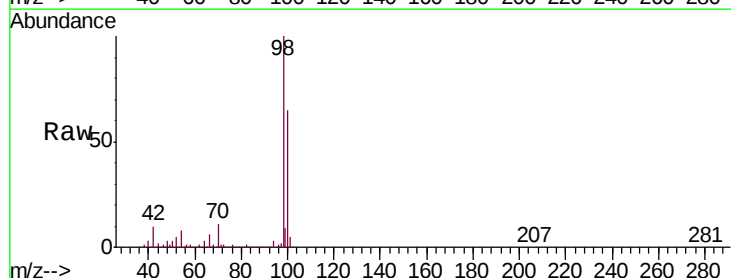
Acq: 05 Sep 2019 13:49

Tgt Ion: 98 Resp: 854261

Ion Ratio Lower Upper

98 100

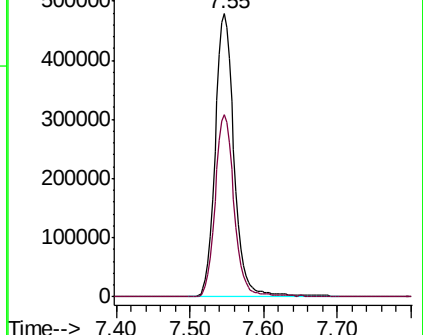
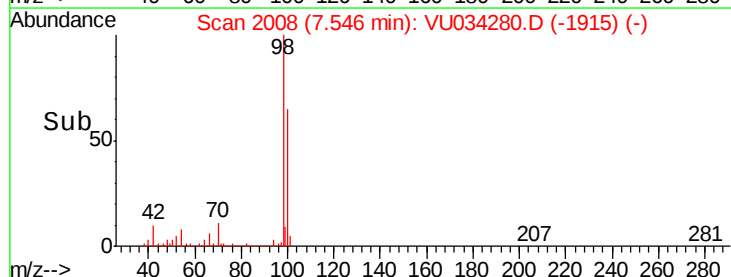
100 65.0 51.7 77.5

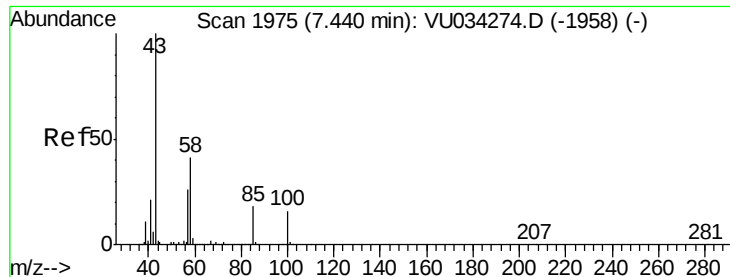


Abundance Ion 98.00 (97.70 to 98.70): VU034280.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034280.D (-1915) (-)

Time-->

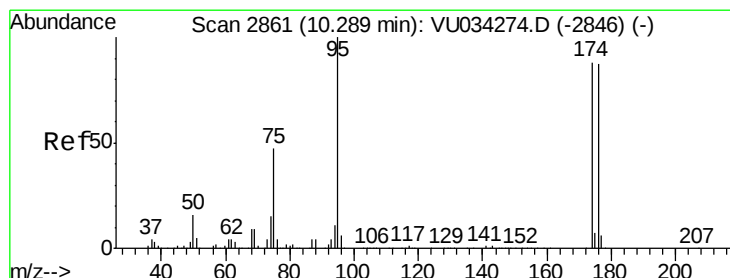
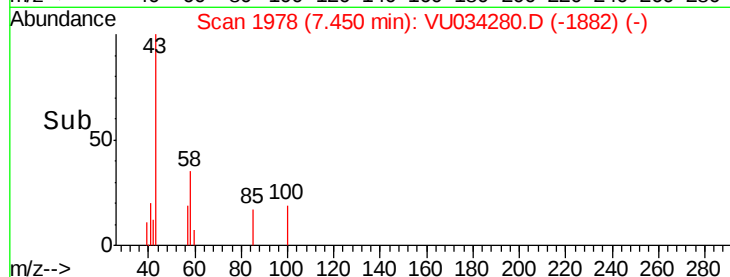
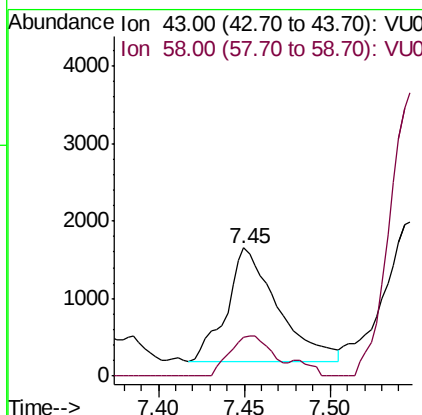
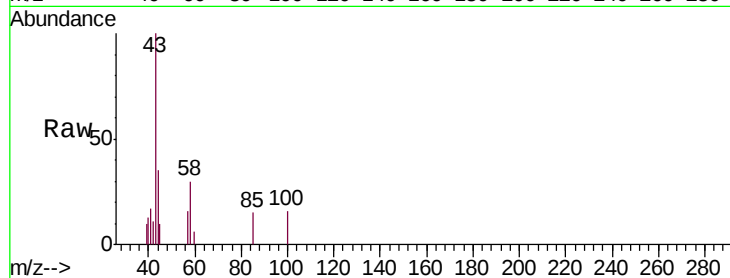




#51
 4-Methyl-2-Pentanone
 Concen: 0.326 ug/l
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

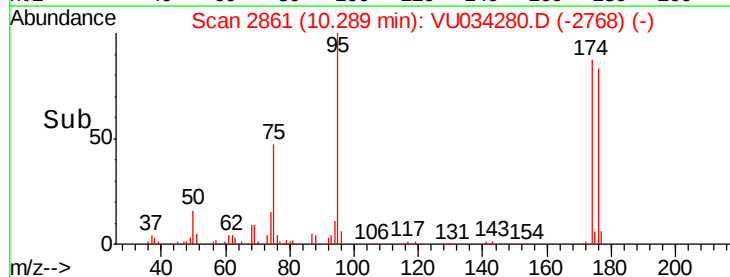
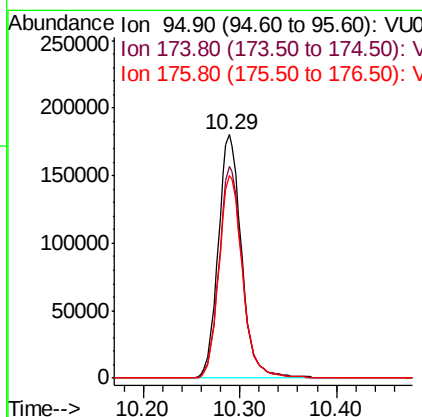
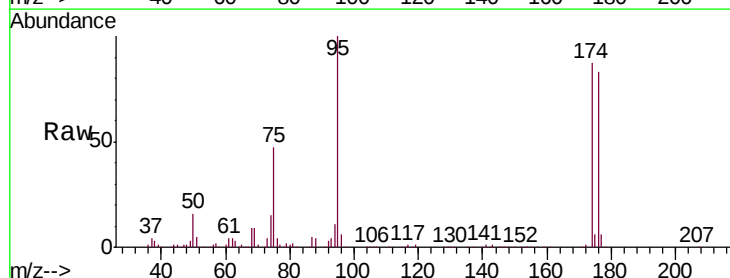
Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

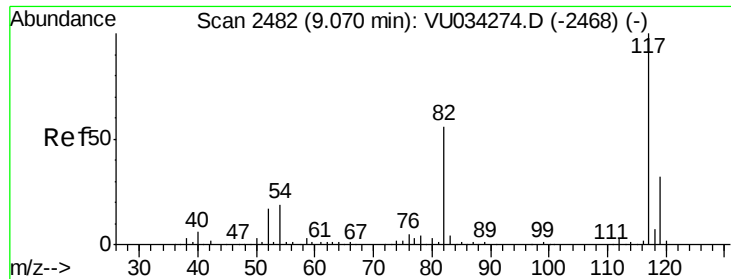
Tgt Ion: 43 Resp: 3064
 Ion Ratio Lower Upper
 43 100
 58 28.1 33.0 49.4#



#62
 4-Bromofluorobenzene
 Concen: 32.834 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Tgt Ion: 95 Resp: 301284
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 175.2
 176 84.0 0.0 168.0

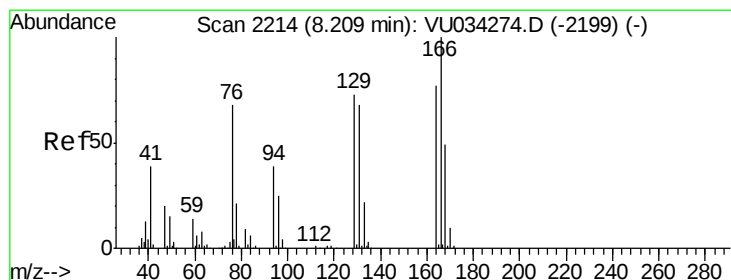
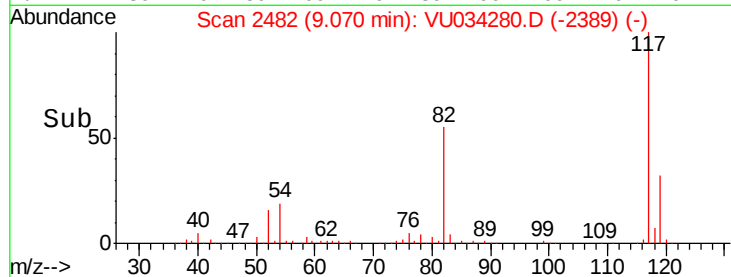
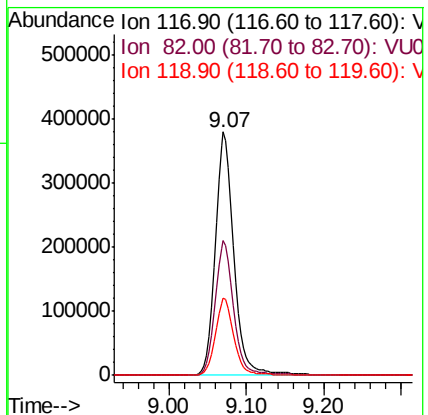
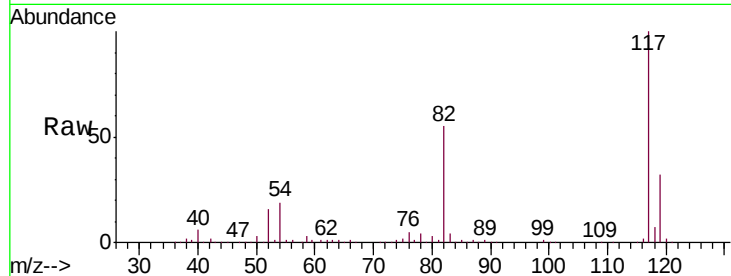




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034280.D
Acq: 05 Sep 2019 13:49

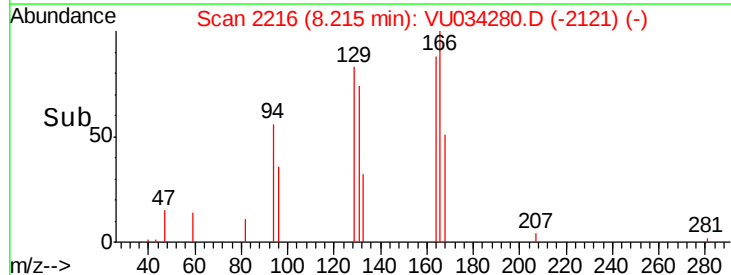
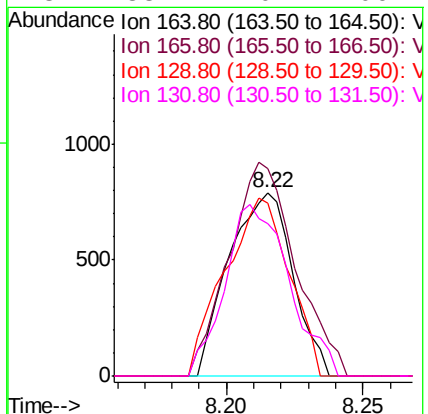
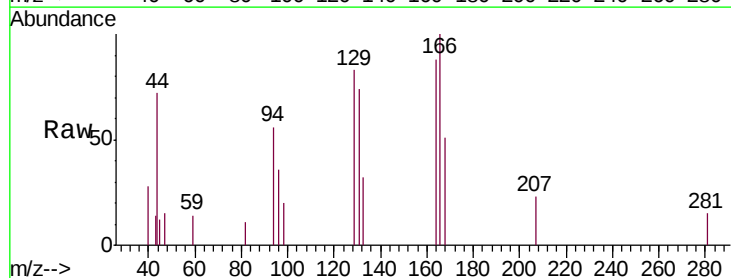
Instrument :
MSVOA_U
ClientSampleId :
GW507-K2-5.0-10.0-090419

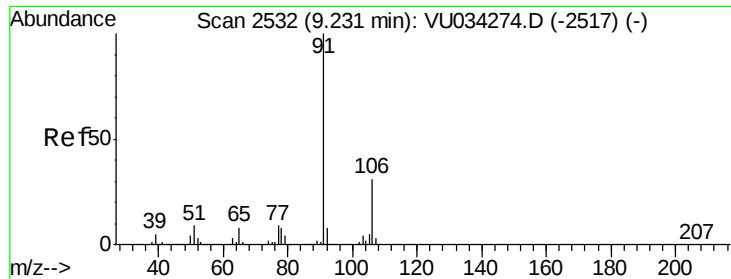
Tgt Ion:117 Resp: 650076
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 31.9 25.9 38.9



#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 8.22 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VU034280.D
Acq: 05 Sep 2019 13:49

Tgt Ion:164 Resp: 1283
Ion Ratio Lower Upper
164 100
166 113.3 103.7 155.5
129 94.1 75.8 113.8
131 83.4 70.7 106.1

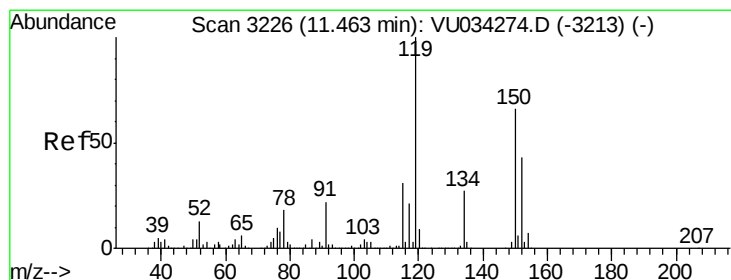
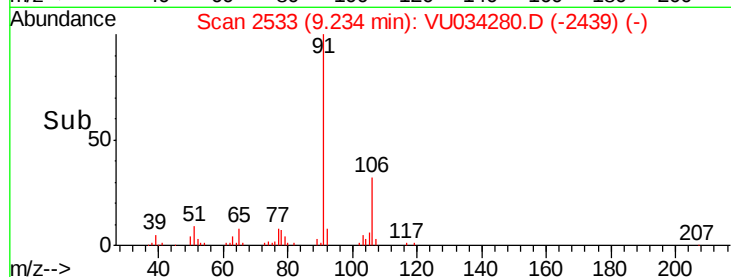
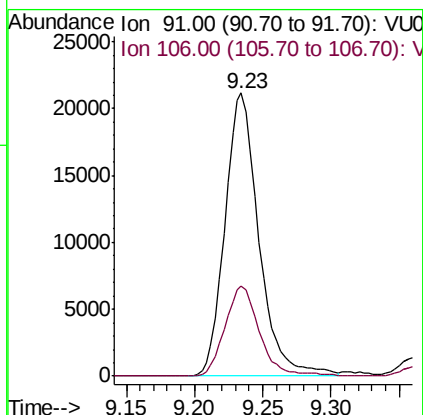
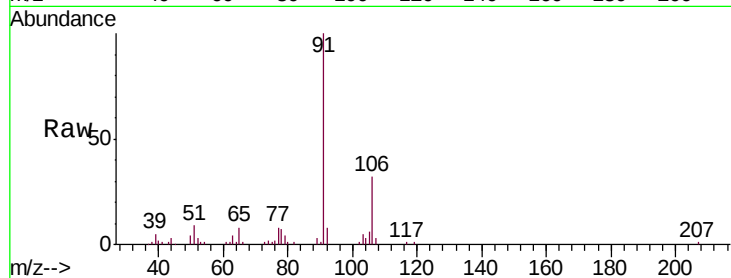




#67
Ethyl Benzene
Concen: 1.359 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU034280.D
Acq: 05 Sep 2019 13:49

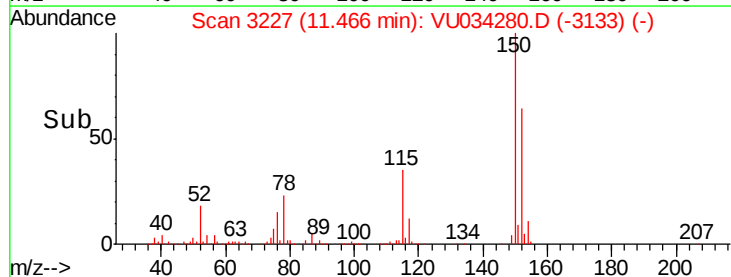
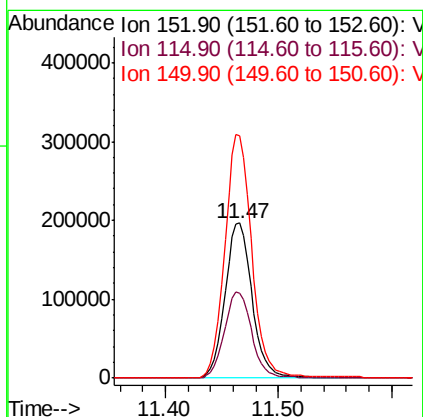
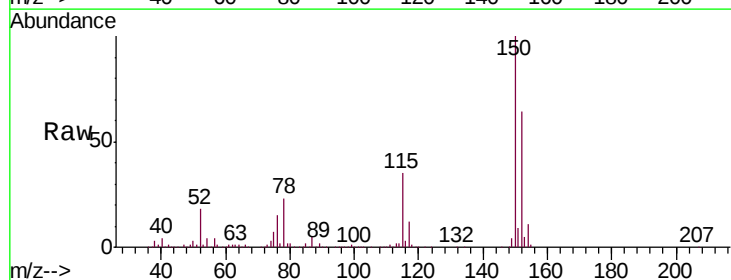
Instrument :
MSVOA_U
ClientSampleId :
GW507-K2-5.0-10.0-090419

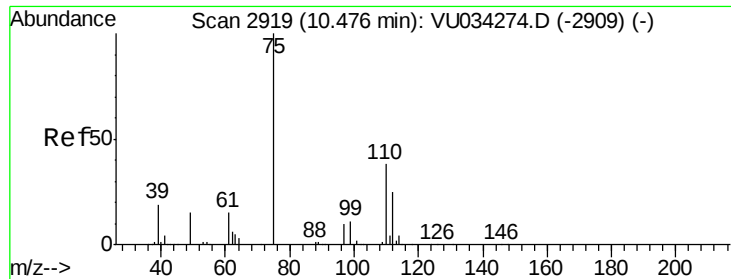
Tgt Ion: 91 Resp: 36640
Ion Ratio Lower Upper
91 100
106 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034280.D
Acq: 05 Sep 2019 13:49

Tgt Ion: 152 Resp: 327771
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.3
150 156.5 0.0 345.4

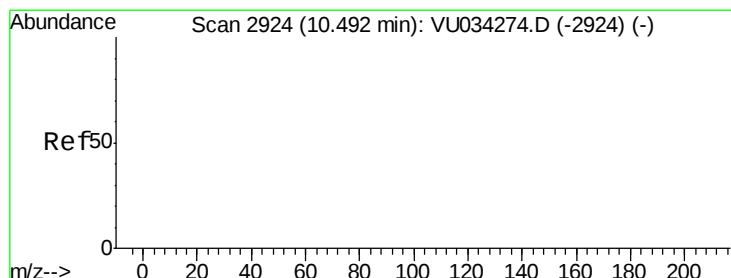
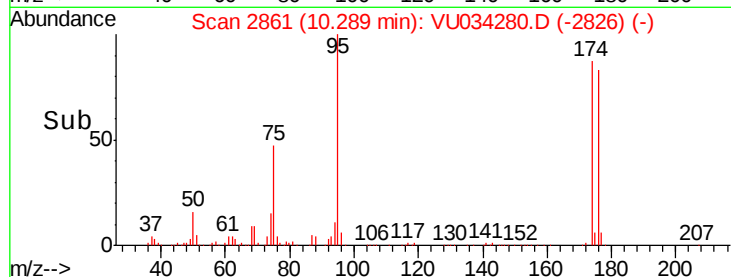
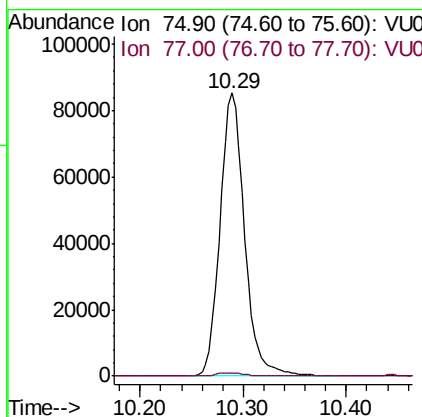
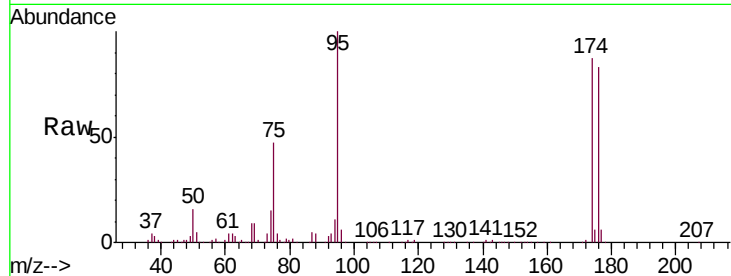




#76
 1,2,3-Trichloropropane
 Concen: 19.703 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

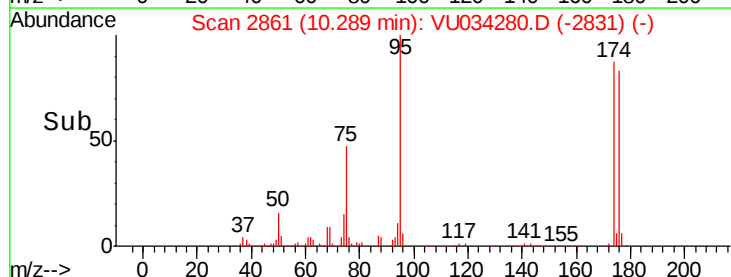
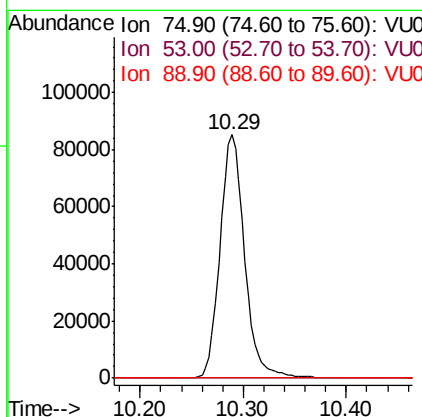
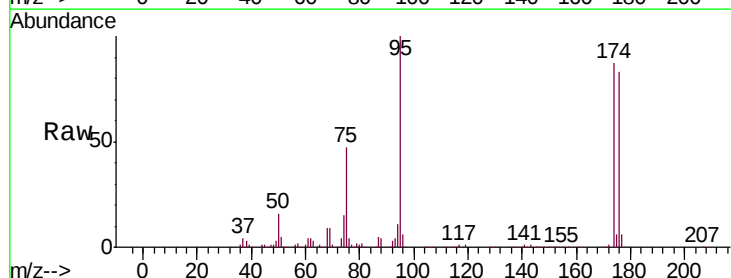
Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

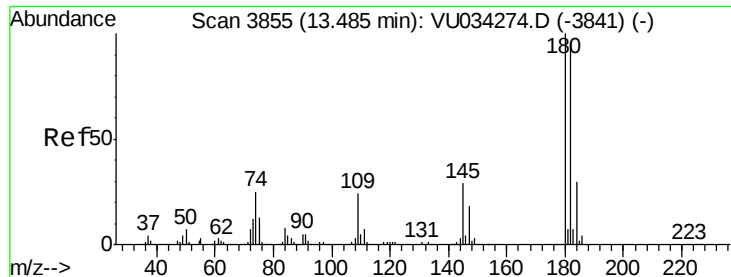
Tgt Ion: 75 Resp: 140971
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.261 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.20 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Tgt Ion: 75 Resp: 140971
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

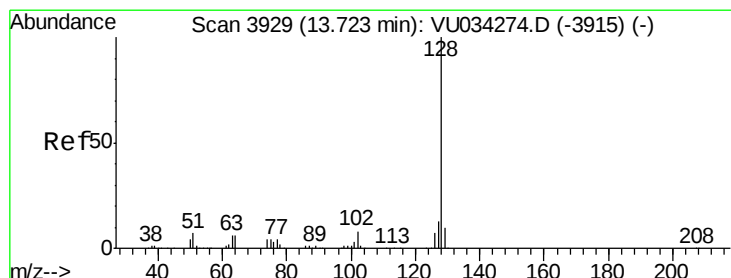
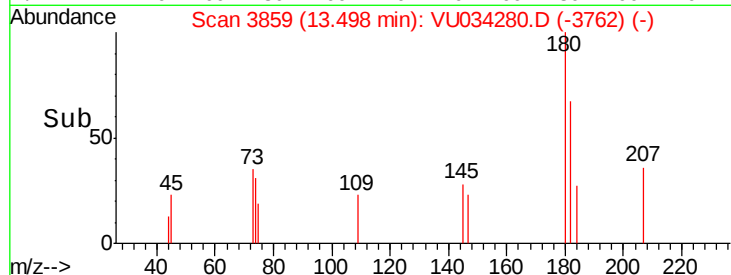
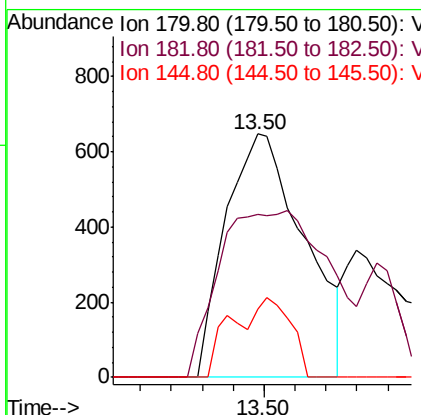
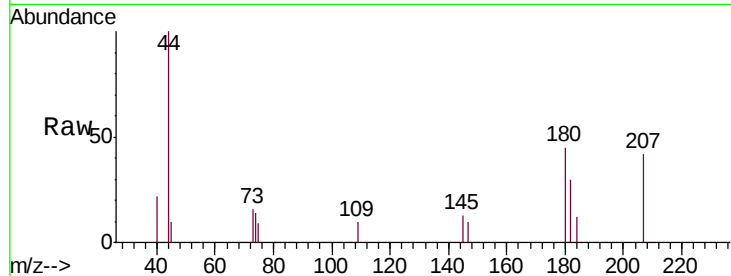




#93
 1,2,4-Trichlorobenzene
 Concen: 3.589 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

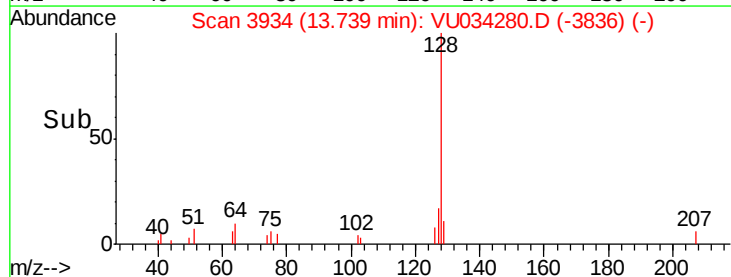
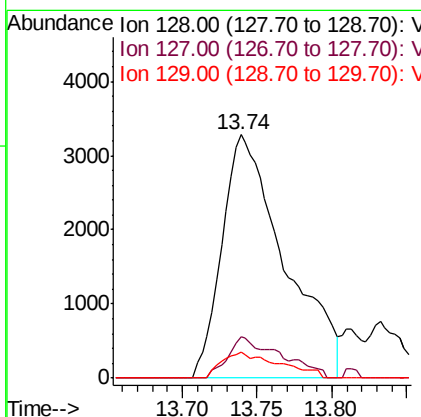
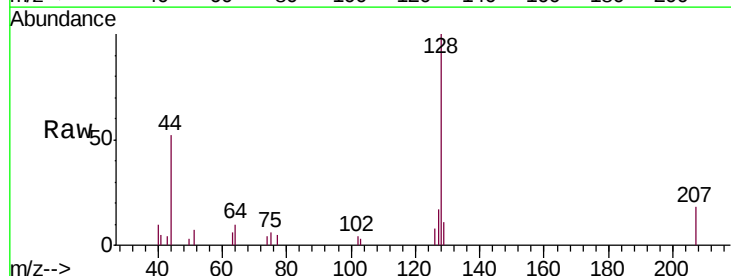
Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

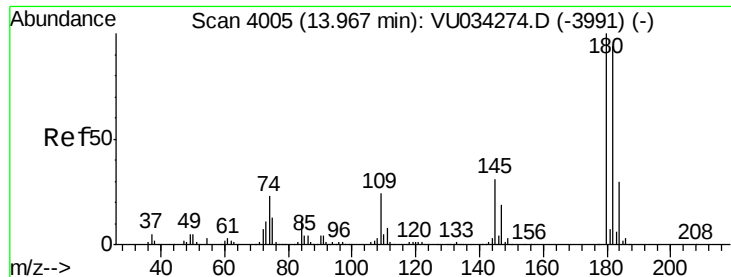
Tgt Ion:180 Resp: 1141
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 14.6 14.4 43.0



#95
 Naphthalene
 Concen: 4.368 ug/l
 RT: 13.74 min Scan# 3934
 Delta R.T. 0.02 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Tgt Ion:128 Resp: 9537
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.6 15.8
 129 9.8 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 2.797 ug/l
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU034280.D
 Acq: 05 Sep 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

Tgt Ion	Ratio	Lower	Upper
180	100		
182	117.3	48.4	145.0
145	22.6	15.4	46.4

