

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
 Data File : VU034080.D
 Acq On : 29 Aug 2019 22:15
 Operator : JC/SP
 Sample : K4609-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CARBON-DRUM

Quant Time: Aug 30 04:51:07 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	4.95	168	483773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	715347	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	733426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	366938	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	266940	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	
35) Dibromofluoromethane	4.87	113	201211	40.55	ug/l	0.01
Spiked Amount			Recovery	=	81.10%	
50) Toluene-d8	7.54	98	958410	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	10.30	95	340993	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

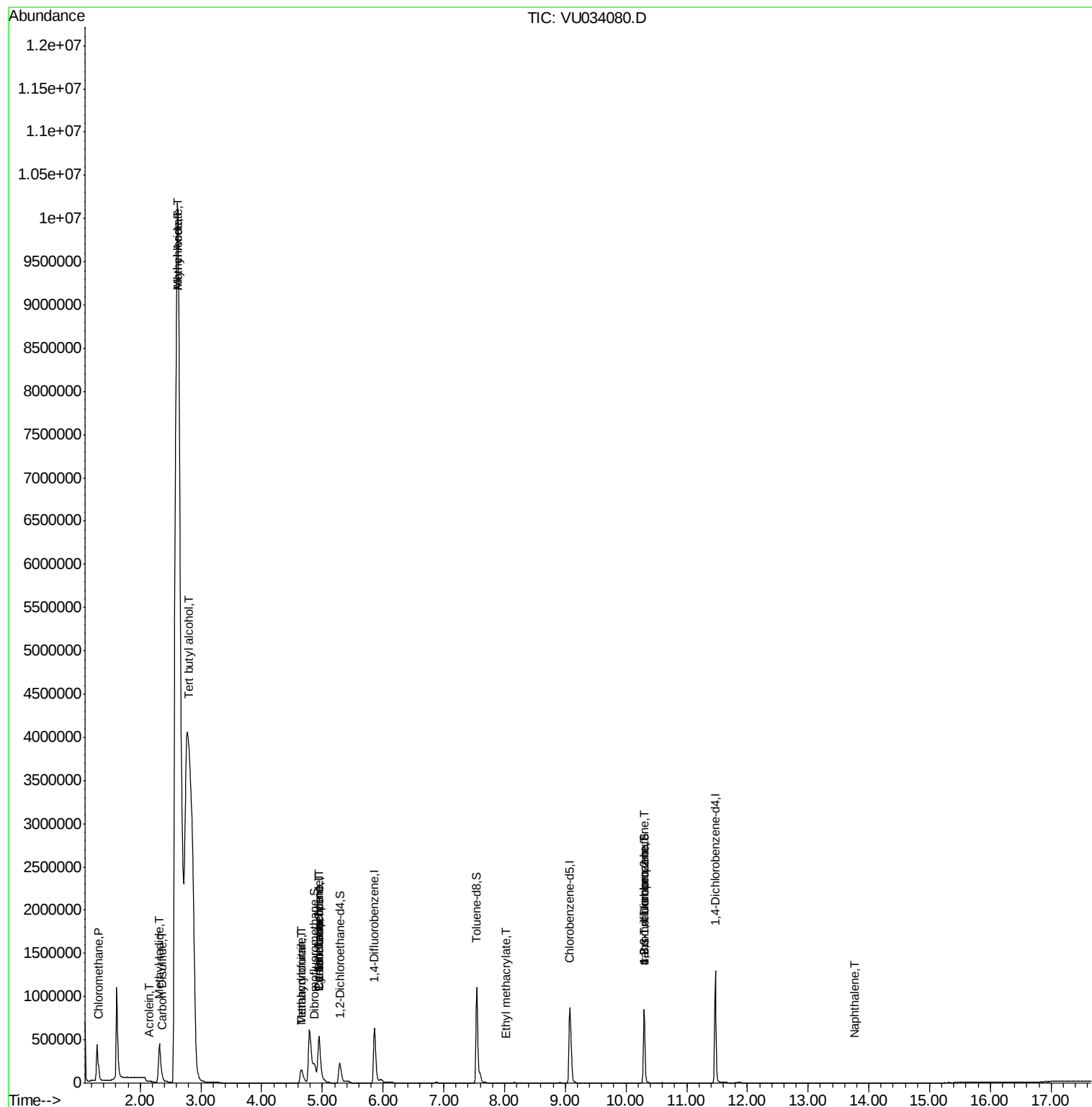
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	77081	10.199	ug/l	100
5) Bromomethane	1.59	94	7116	Below Cal		96
10) Methyl Iodide	2.32	142	6740	1.000	ug/l	96
11) Tert butyl alcohol	2.81	59	12636	8.840	ug/l #	73
13) Acrolein	2.16	56	293	0.487	ug/l #	32
14) Allyl chloride	2.61	41	29527245	3242.697	ug/l #	45
17) Carbon Disulfide	2.37	76	26912	1.756	ug/l	100
18) Methyl Acetate	2.62	43	4455378	545.104	ug/l	98
29) Tetrahydrofuran	4.66	42	186057	68.561	ug/l	96
31) Cyclohexane	4.94	56	10427	1.126	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	35689	5.275	ug/l #	49
38) Carbon Tetrachloride	4.95	117	44190	6.766	ug/l #	16
41) Methacrylonitrile	4.65	41	98875	25.444	ug/l #	31
56) Ethyl methacrylate	8.03	69	19	0.974	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	165584	20.022	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.30	75	165584	67.419	ug/l #	100
95) Naphthalene	13.76	128	20	1.791	ug/l #	70

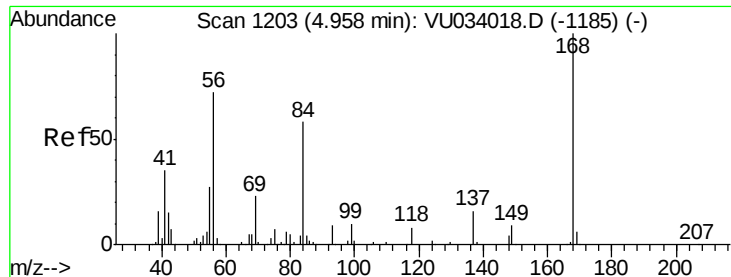
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

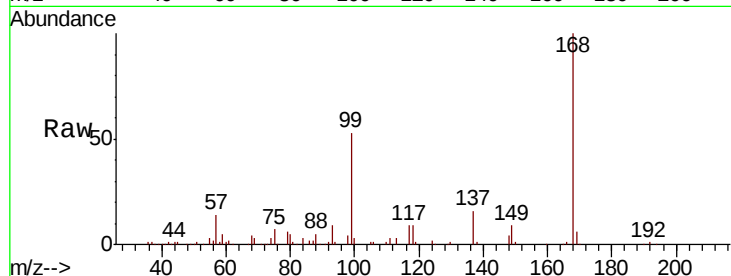
CARBON-DRUM

Tgt Ion:168 Resp: 483773

Ion Ratio Lower Upper

168 100

99 52.9 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) (-)

4.95

150000

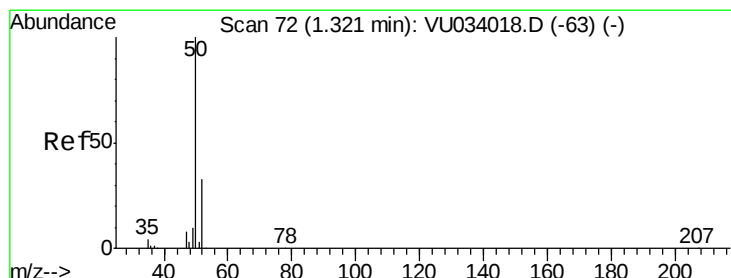
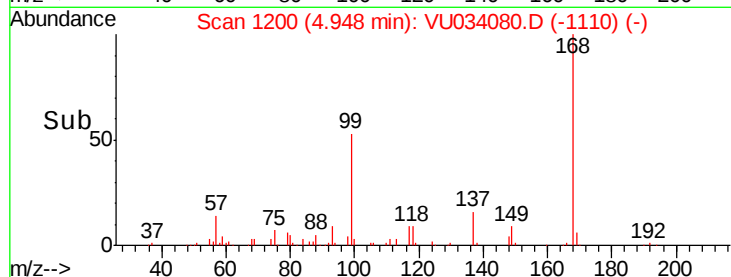
100000

50000

0

4.90 5.00

Time-->



#3

Chloromethane

Concen: 10.199 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034080.D

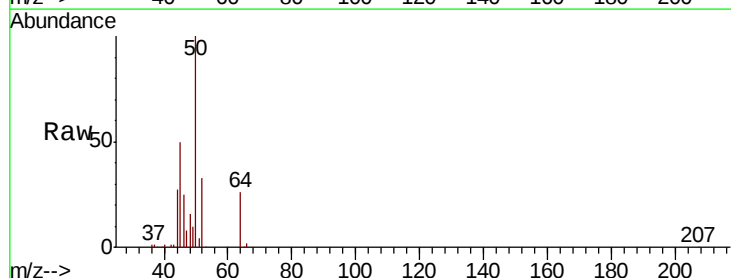
Acq: 29 Aug 2019 22:15

Tgt Ion: 50 Resp: 77081

Ion Ratio Lower Upper

50 100

52 33.0 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) (-)

1.32

60000

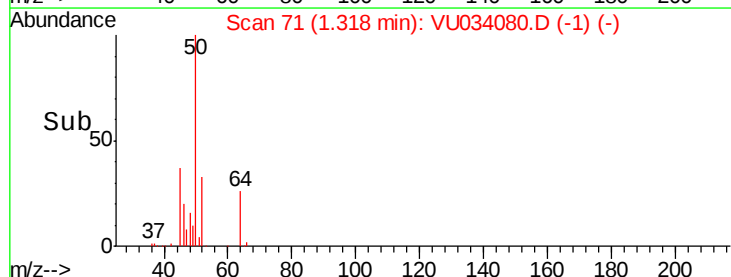
40000

20000

0

1.25 1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

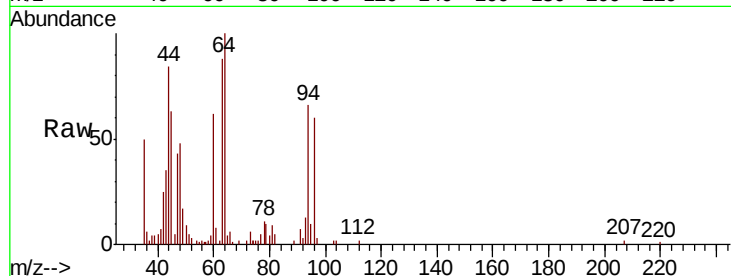
CARBON-DRUM

Tgt Ion: 94 Resp: 7116

Ion Ratio Lower Upper

94 100

96 91.8 76.3 114.5

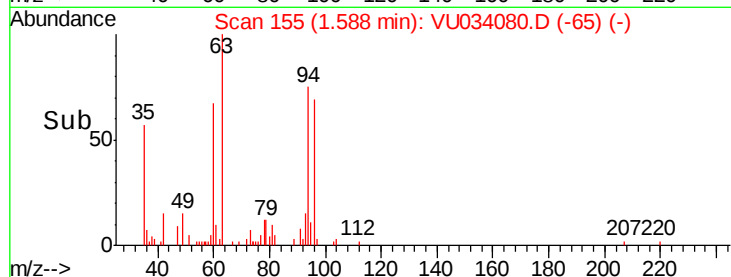


Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034018.D (-143) (-)

1.59

Time-->

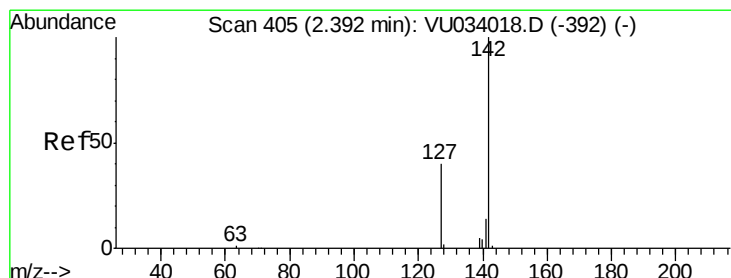


Abundance Ion 93.90 (93.60 to 94.60): VU034080.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034080.D (-65) (-)

1.59

Time-->



#10

Methyl Iodide

Concen: 1.000 ug/l

RT: 2.32 min Scan# 384

Delta R.T. -0.07 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

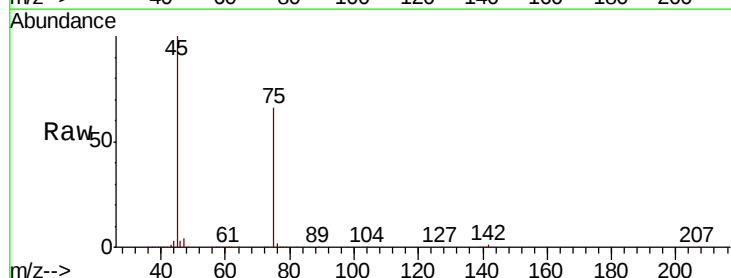
Tgt Ion: 142 Resp: 6740

Ion Ratio Lower Upper

142 100

127 38.0 32.6 48.8

141 14.7 11.3 16.9



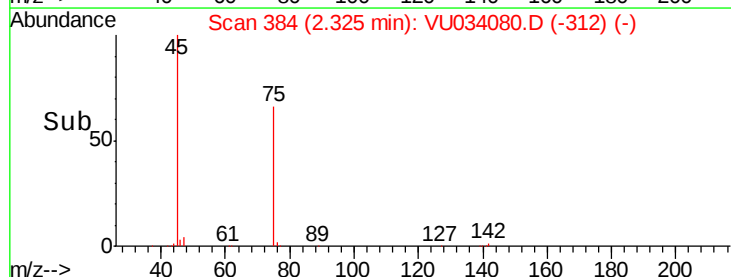
Abundance Ion 141.80 (141.50 to 142.50): VU034018.D (-392) (-)

Ion 126.80 (126.50 to 127.50): VU034018.D (-392) (-)

Ion 140.80 (140.50 to 141.50): VU034018.D (-392) (-)

2.32

Time-->



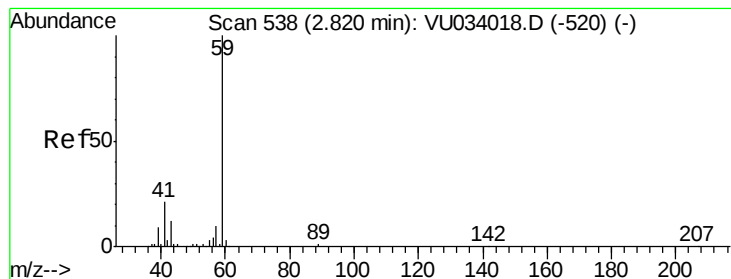
Abundance Ion 141.80 (141.50 to 142.50): VU034080.D (-312) (-)

Ion 126.80 (126.50 to 127.50): VU034080.D (-312) (-)

Ion 140.80 (140.50 to 141.50): VU034080.D (-312) (-)

2.32

Time-->

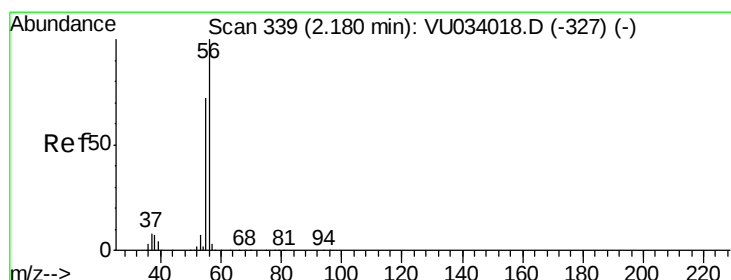
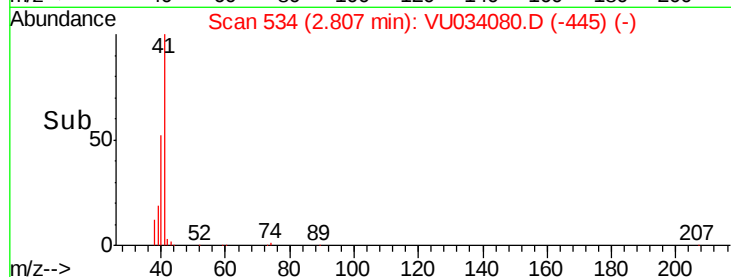
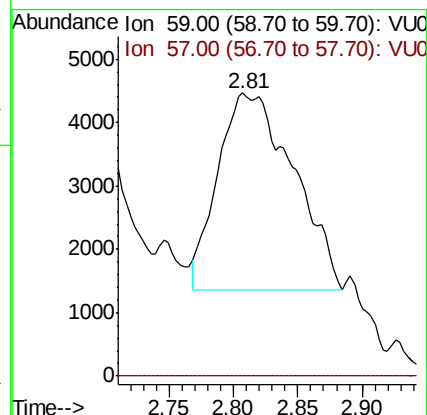
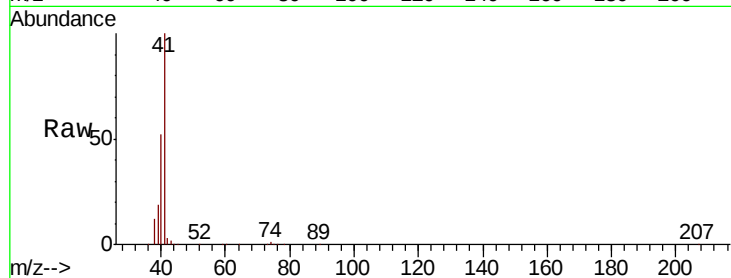


#11

Tert butyl alcohol
 Concen: 8.840 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Instrument :
 MSVOA_U
 ClientSampleId :
 CARBON-DRUM

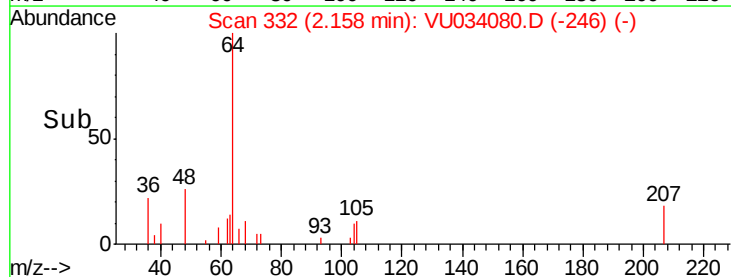
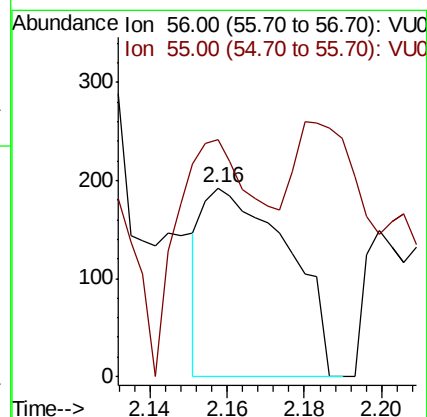
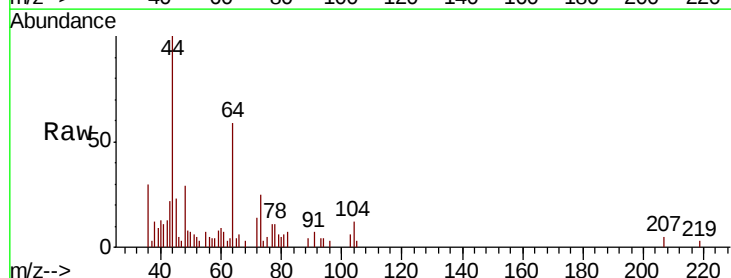
Tgt Ion: 59 Resp: 12636
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

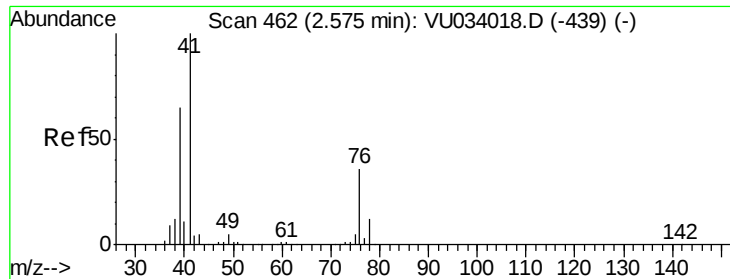


#13

Acrolein
 Concen: 0.487 ug/l
 RT: 2.16 min Scan# 332
 Delta R.T. -0.02 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Tgt Ion: 56 Resp: 293
 Ion Ratio Lower Upper
 56 100
 55 127.6 57.1 85.7#





#14

Allyl chloride

Concen: 3242.697 ug/l

RT: 2.61 min Scan# 472

Delta R.T. 0.03 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

CARBON-DRUM

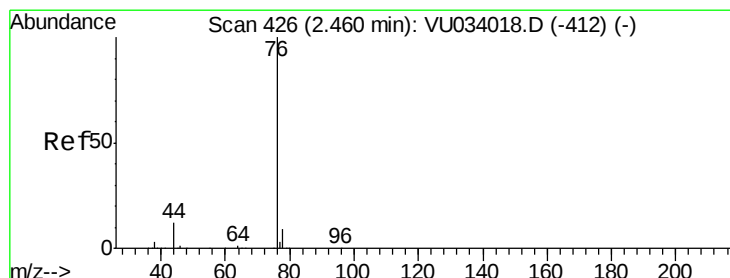
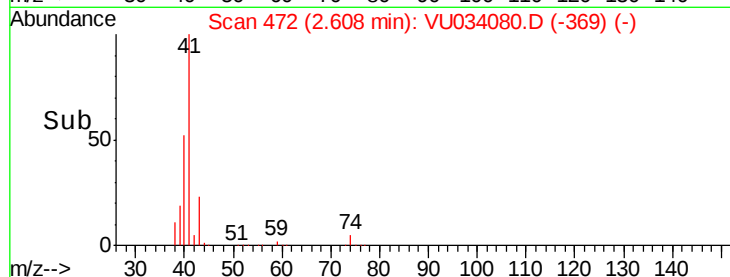
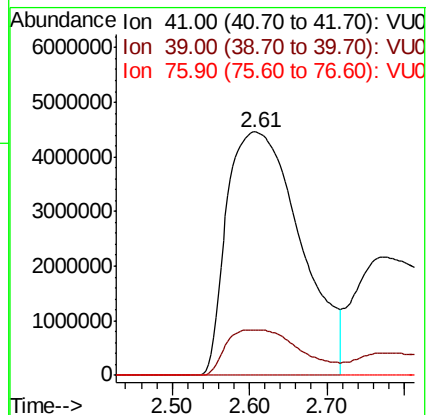
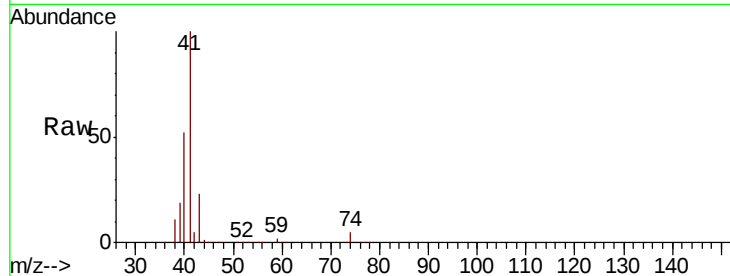
Tgt Ion: 41 Resp: 29527245

Ion Ratio Lower Upper

41 100

39 18.9 46.8 70.2#

76 0.0 26.6 40.0#



#17

Carbon Disulfide

Concen: 1.756 ug/l

RT: 2.37 min Scan# 398

Delta R.T. -0.09 min

Lab File: VU034080.D

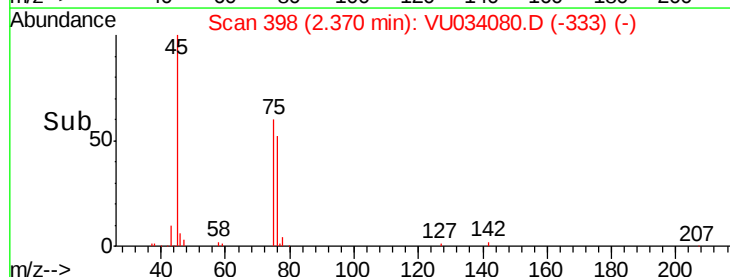
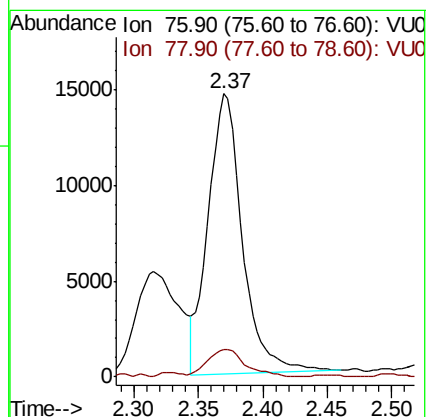
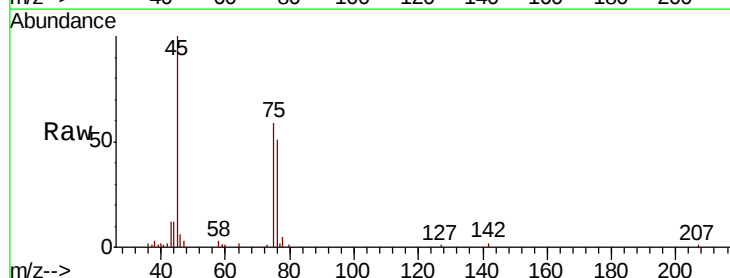
Acq: 29 Aug 2019 22:15

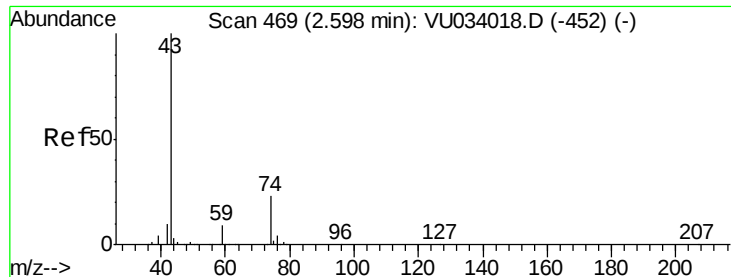
Tgt Ion: 76 Resp: 26912

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

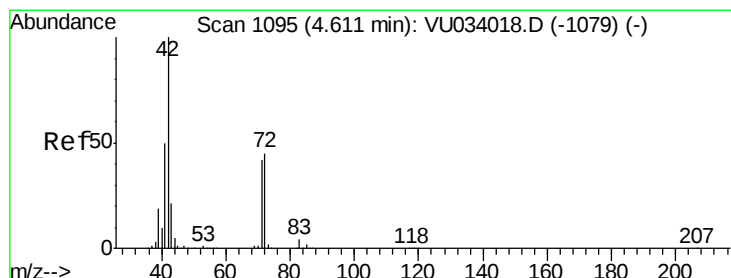
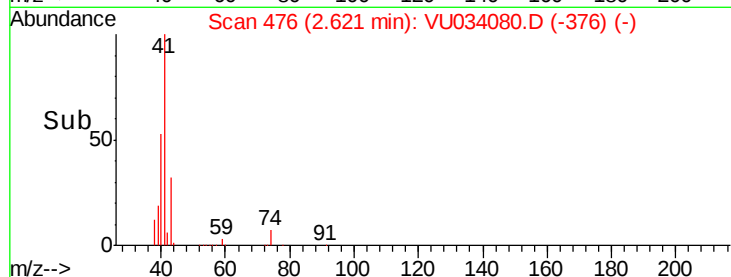
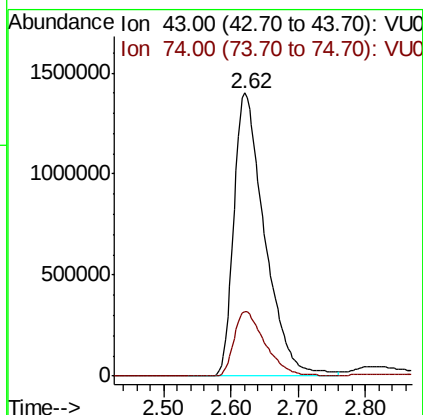
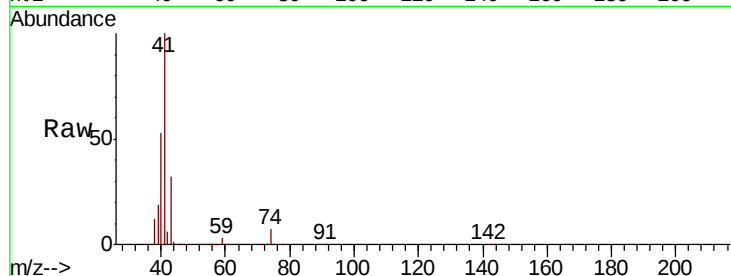




#18
Methyl Acetate
Concen: 545.104 ug/l
RT: 2.62 min Scan# 476
Delta R.T. 0.02 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

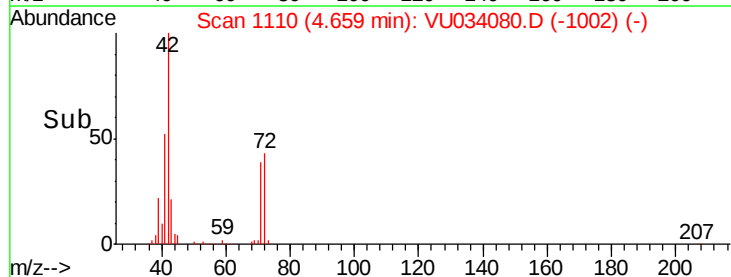
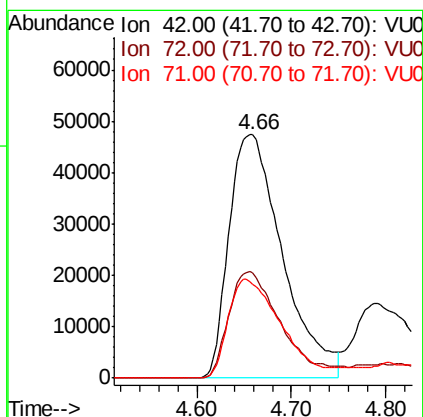
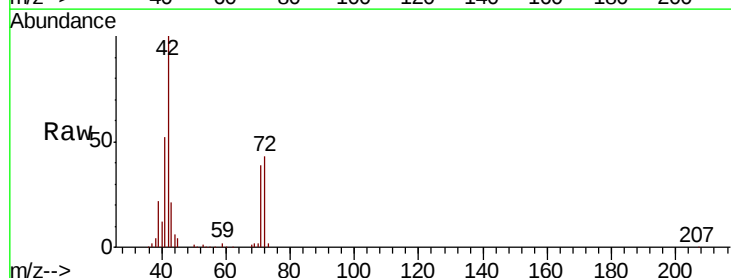
Instrument :
MSVOA_U
ClientSampleId :
CARBON-DRUM

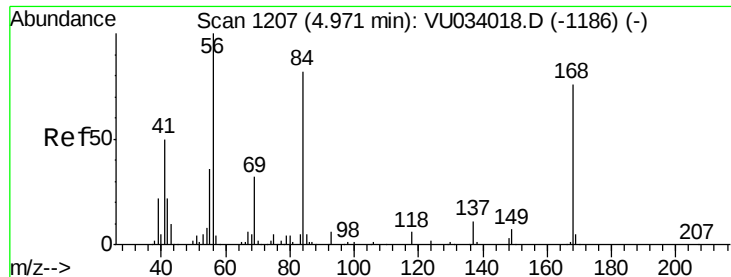
Tgt Ion: 43 Resp: 4455378
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8



#29
Tetrahydrofuran
Concen: 68.561 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.05 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Tgt Ion: 42 Resp: 186057
Ion Ratio Lower Upper
42 100
72 42.3 35.8 53.6
71 39.9 34.0 51.0

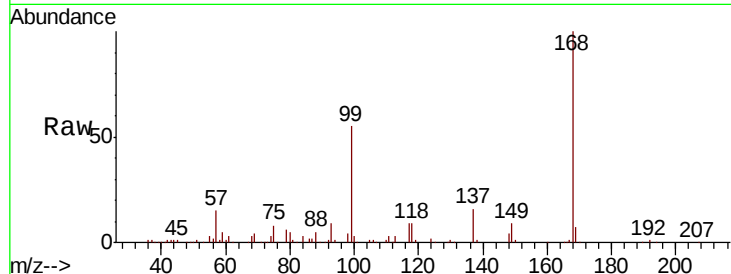




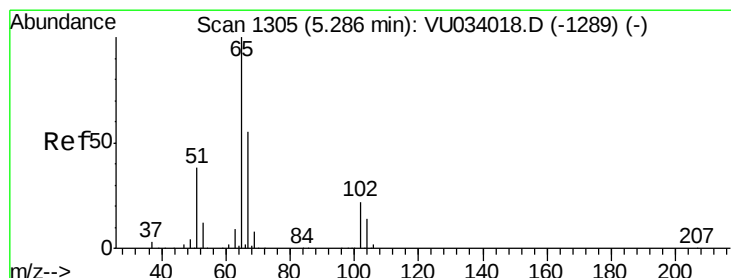
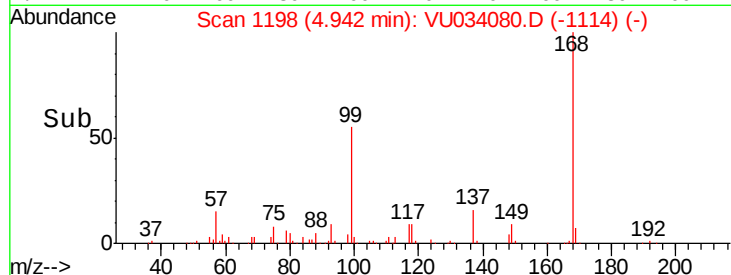
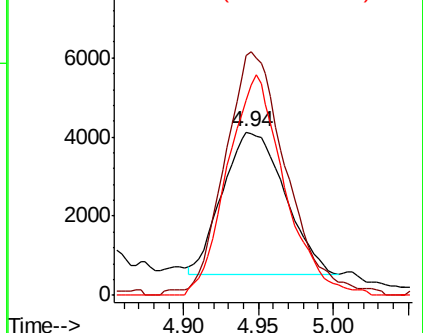
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 4.94 min Scan# 1198
Delta R.T. -0.03 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
CARBON-DRUM

Tgt Ion: 56 Resp: 10427
Ion Ratio Lower Upper
56 100
69 163.4 25.4 38.0#
84 132.2 65.8 98.8#

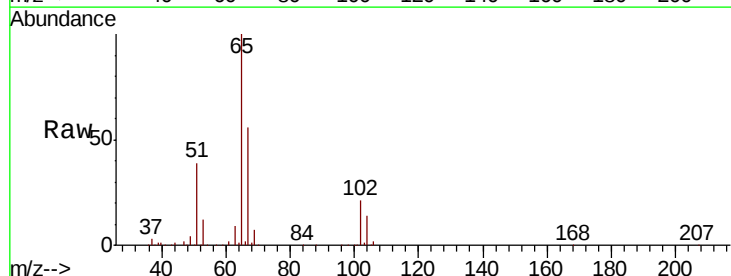


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

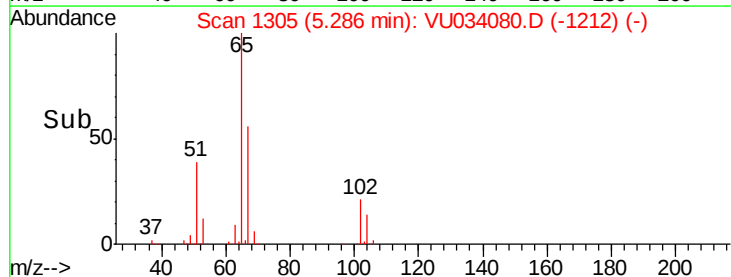
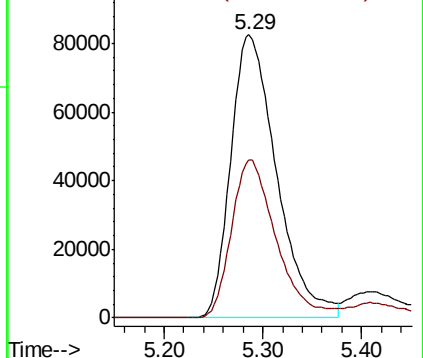


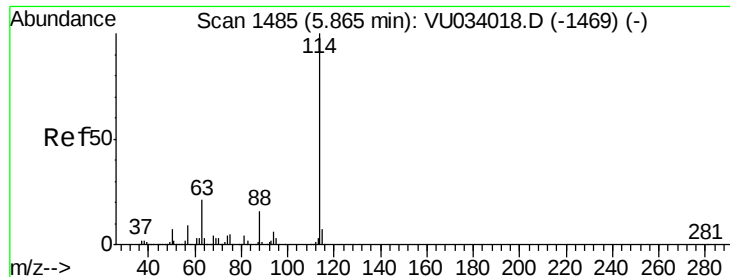
#33
1,2-Dichloroethane-d4
Concen: 43.063 ug/l
RT: 5.29 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Tgt Ion: 65 Resp: 266940
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

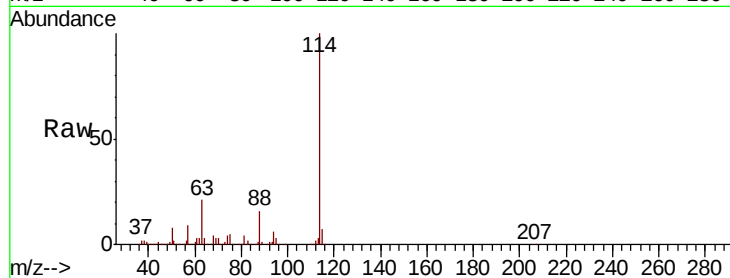




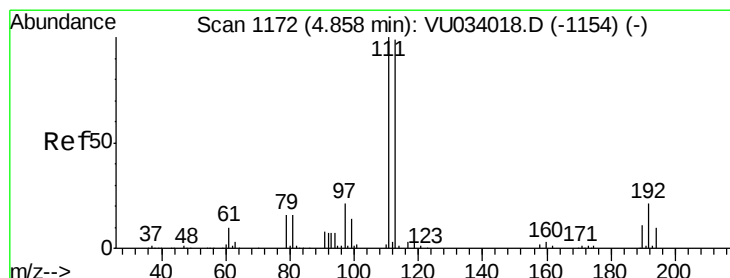
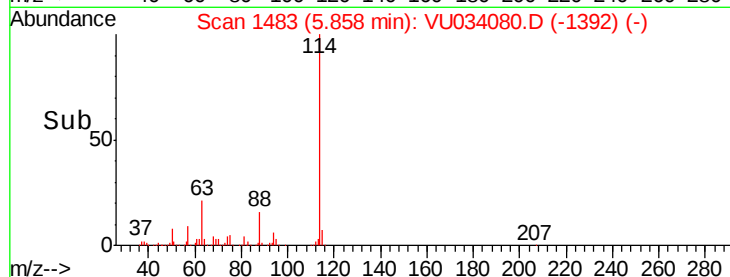
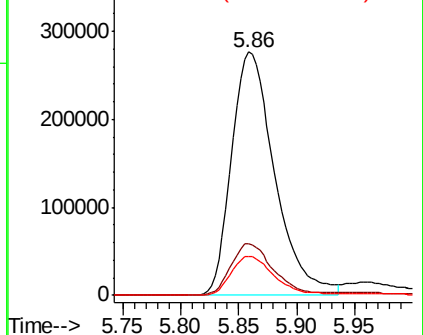
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Instrument :
 MSVOA_U
 ClientSampleId :
 CARBON-DRUM

Tgt Ion:114 Resp: 715347
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.0
 88 16.2 0.0 32.0

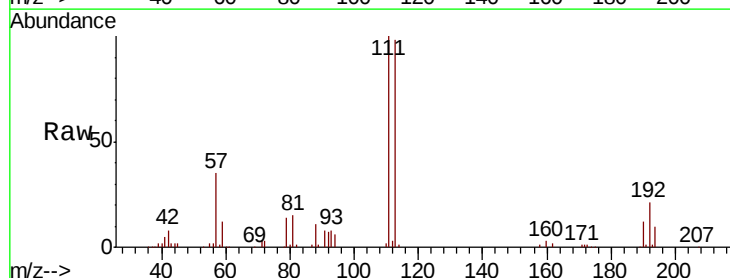


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

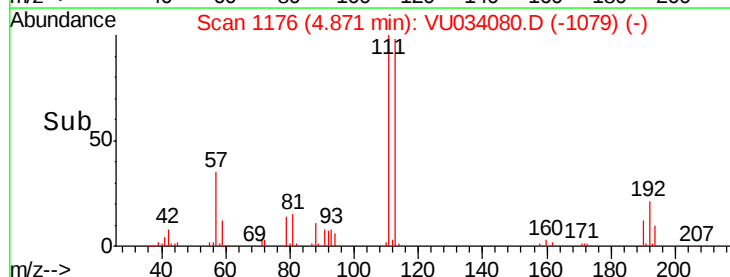
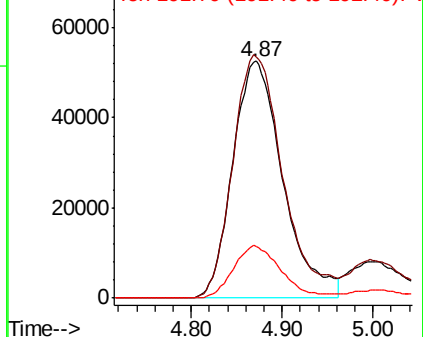


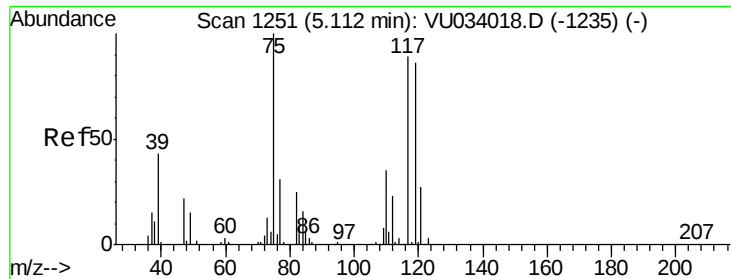
#35
 Dibromofluoromethane
 Concen: 40.554 ug/l
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Tgt Ion:113 Resp: 201211
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.7 122.5
 192 21.2 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

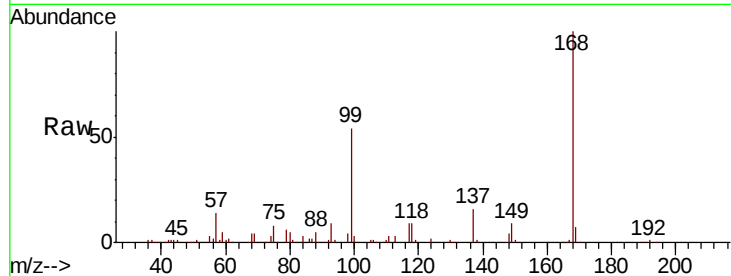




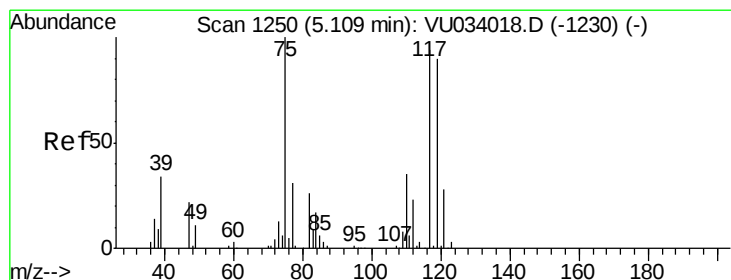
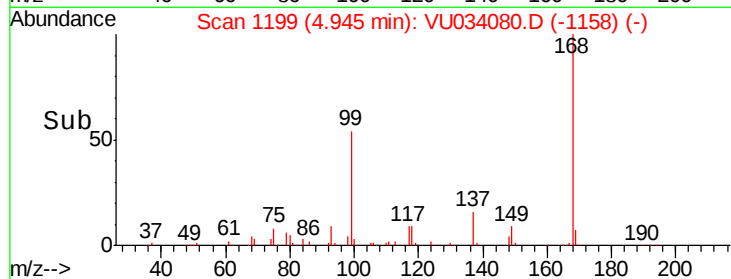
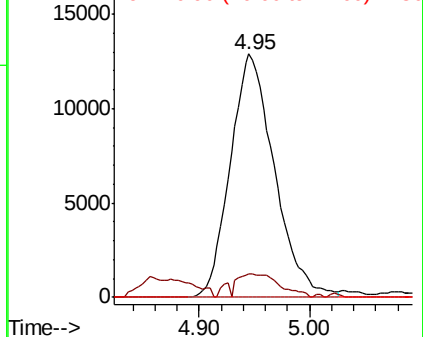
#36
 1,1-Dichloropropene
 Concen: 5.275 ug/l
 RT: 4.95 min Scan# 1199
 Delta R.T. -0.17 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Instrument :
 MSVOA_U
 ClientSampleId :
 CARBON-DRUM

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.5#
77	0.0	25.0	37.4#

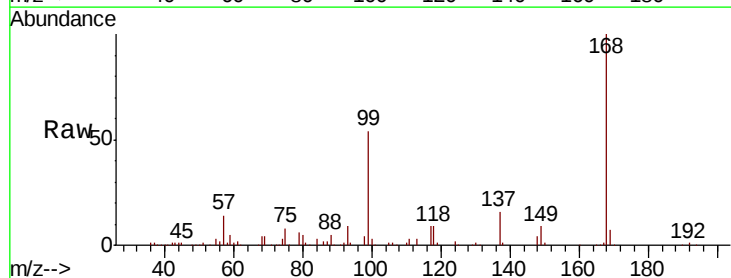


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

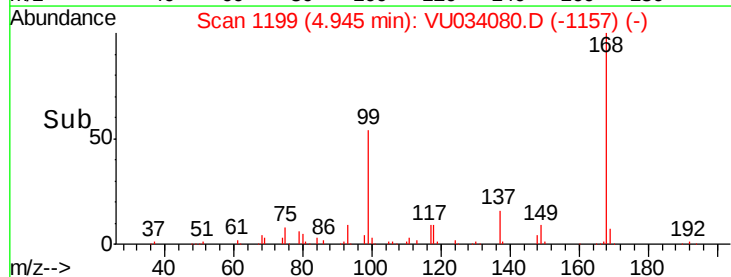
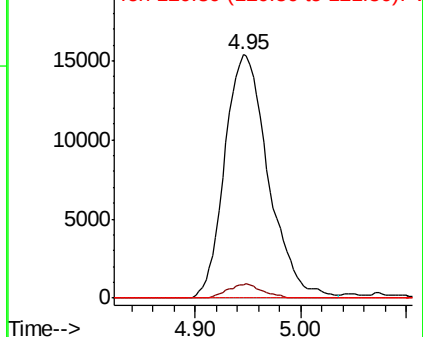


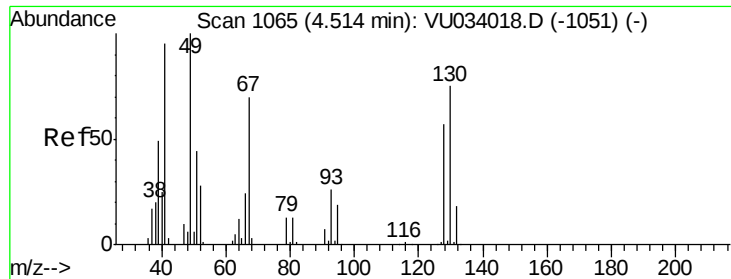
#38
 Carbon Tetrachloride
 Concen: 6.766 ug/l
 RT: 4.95 min Scan# 1199
 Delta R.T. -0.16 min
 Lab File: VU034080.D
 Acq: 29 Aug 2019 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.0	115.4#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

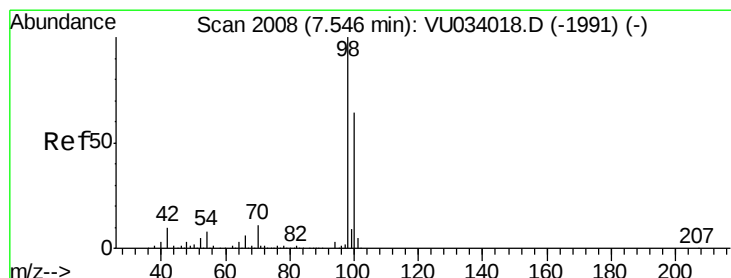
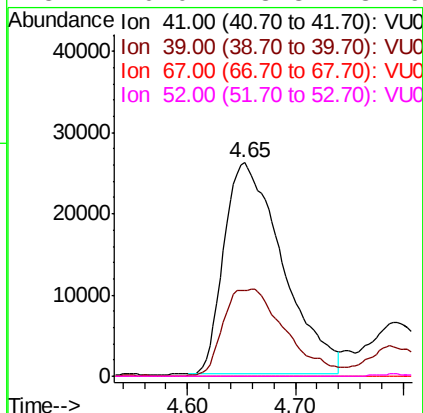
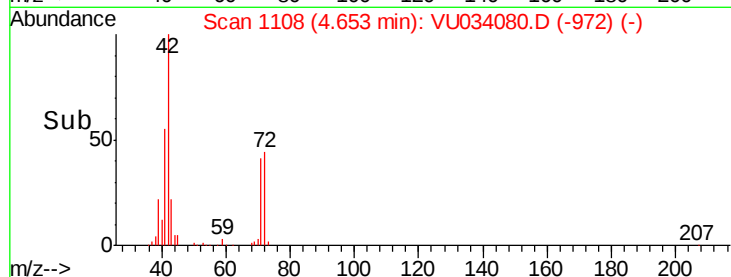
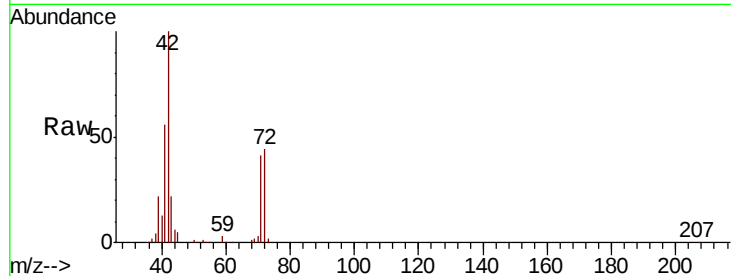




#41
Methacrylonitrile
Concen: 25.444 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.14 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

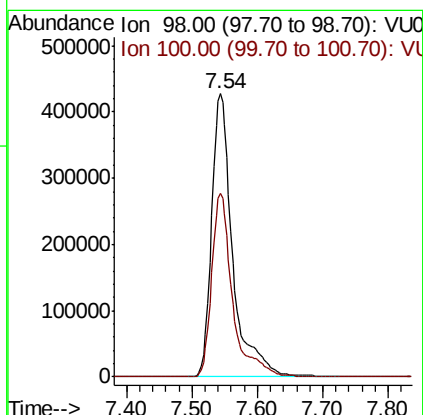
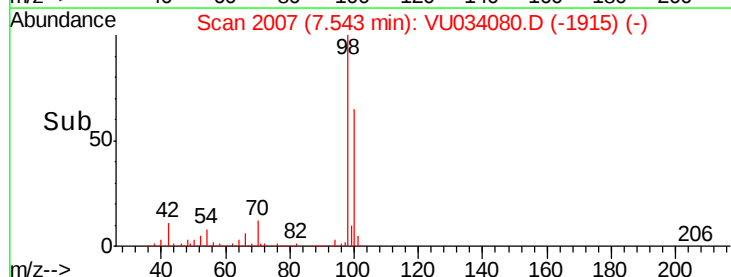
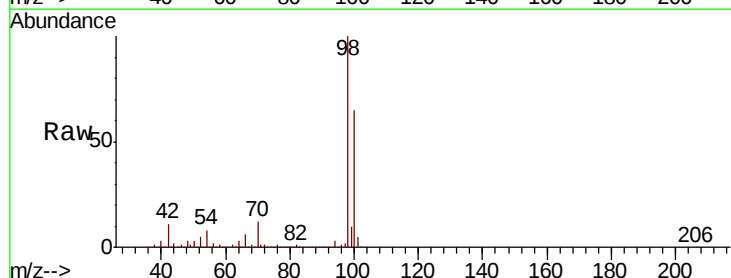
Instrument :
MSVOA_U
ClientSampleId :
CARBON-DRUM

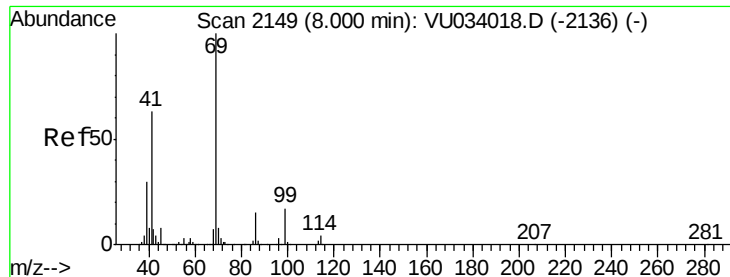
Tgt Ion: 41 Resp: 98875
Ion Ratio Lower Upper
41 100
39 17.8 42.1 63.1#
67 0.0 61.0 91.4#
52 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 51.588 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Tgt Ion: 98 Resp: 958410
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5





#56

Ethyl methacrylate

Concen: 0.974 ug/l

RT: 8.03 min Scan# 2158

Delta R.T. 0.03 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

CARBON-DRUM

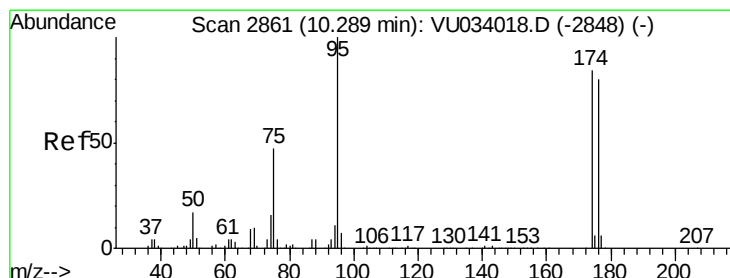
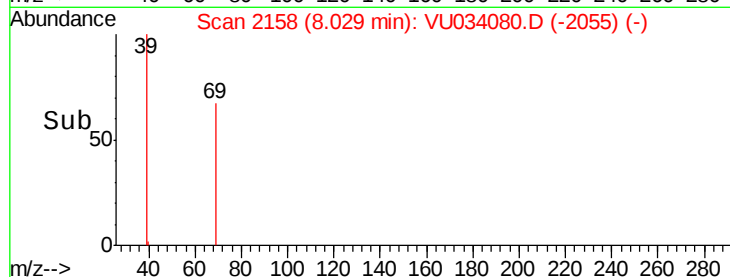
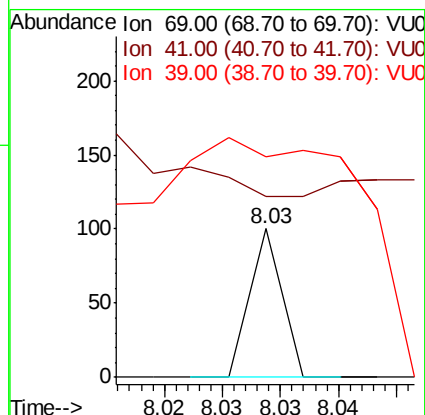
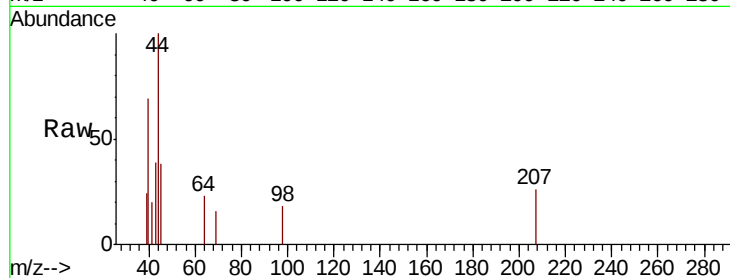
Tgt Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 421.1 50.7 76.1#

39 1231.6 24.2 36.2#



#62

4-Bromofluorobenzene

Concen: 47.185 ug/l

RT: 10.30 min Scan# 2864

Delta R.T. 0.01 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

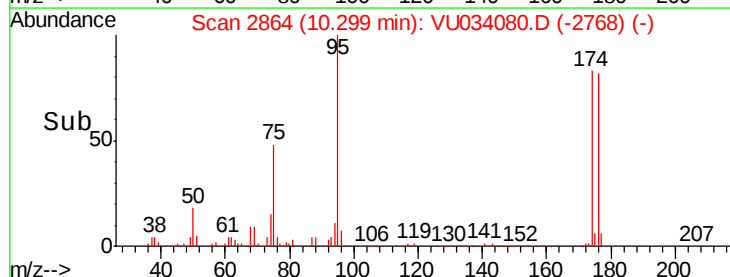
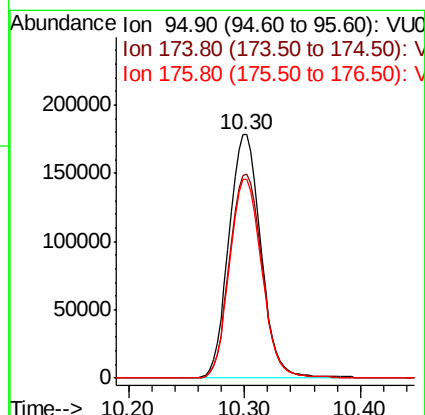
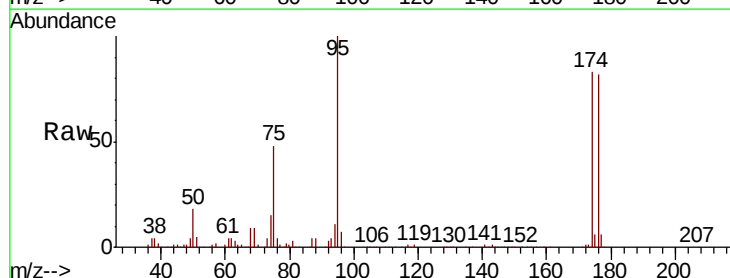
Tgt Ion: 95 Resp: 340993

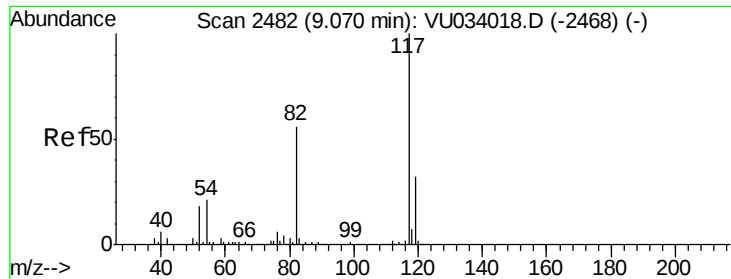
Ion Ratio Lower Upper

95 100

174 85.6 0.0 168.8

176 82.4 0.0 161.8

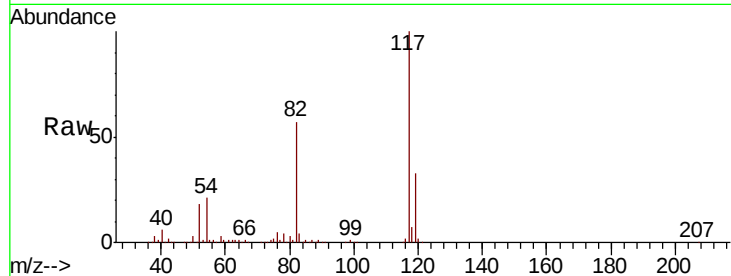




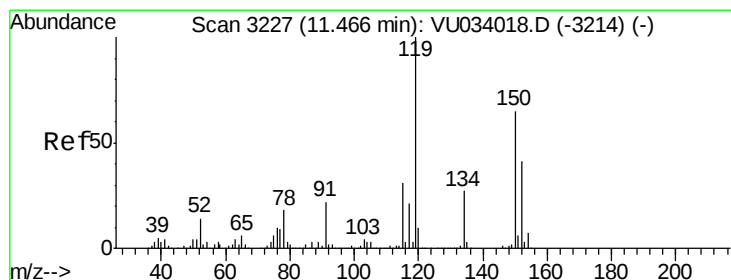
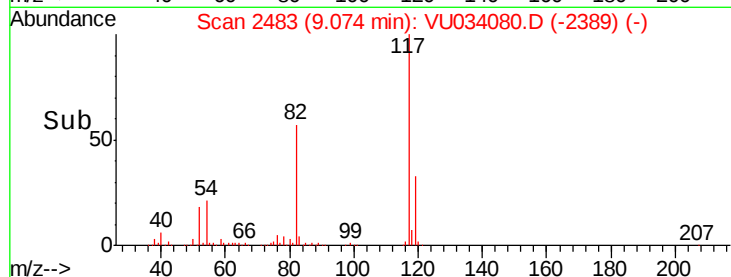
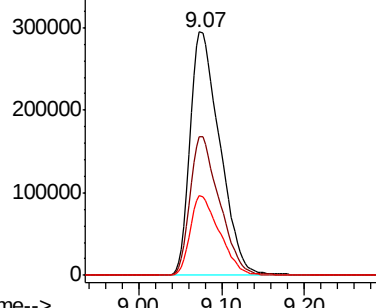
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
CARBON-DRUM

Tgt Ion:117 Resp: 733426
Ion Ratio Lower Upper
117 100
82 56.7 45.1 67.7
119 32.7 25.4 38.0

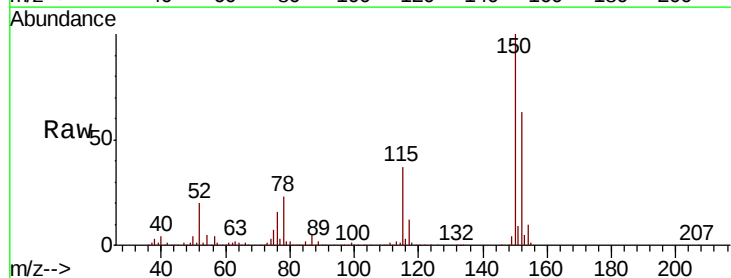


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

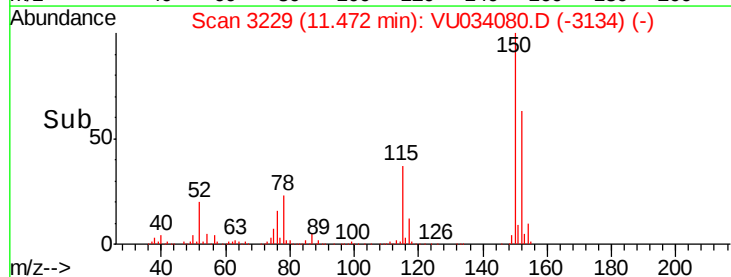
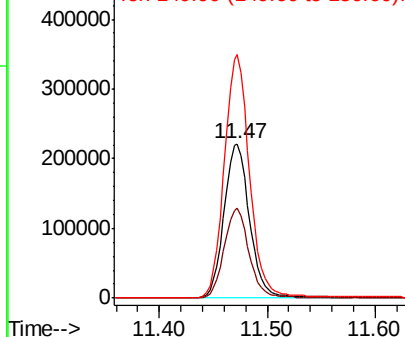


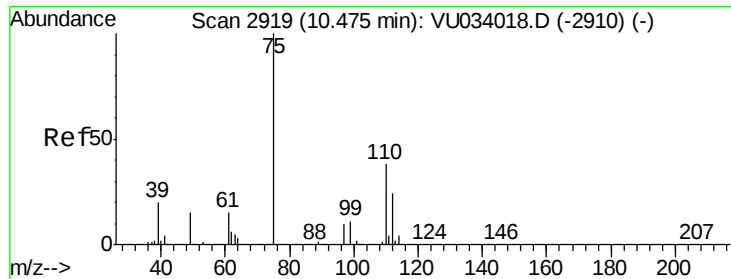
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.01 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Tgt Ion:152 Resp: 366938
Ion Ratio Lower Upper
152 100
115 56.8 41.1 123.3
150 156.8 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: 20.022 ug/l

RT: 10.30 min Scan# 2864

Delta R.T. -0.18 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

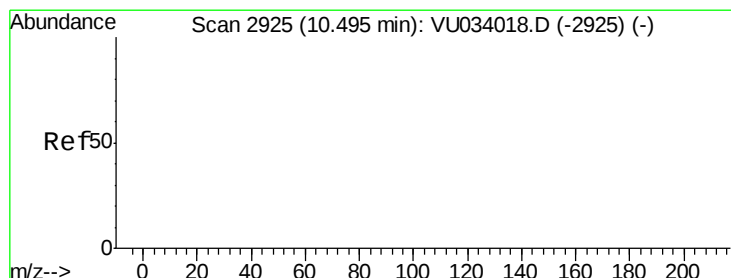
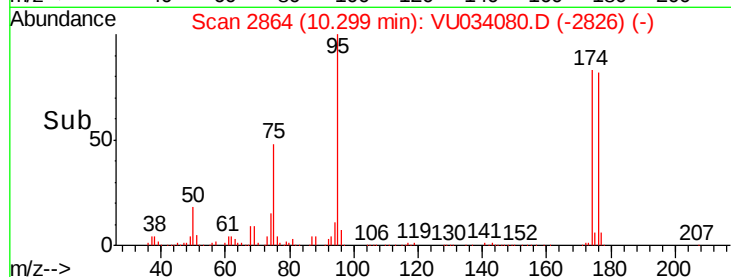
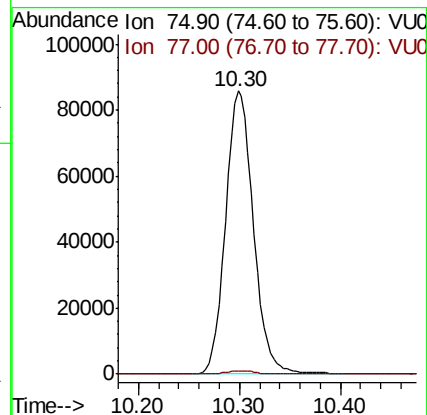
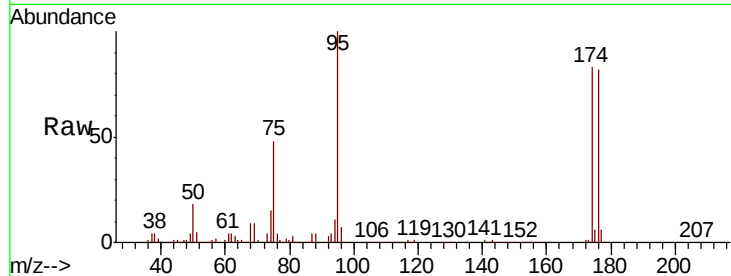
CARBON-DRUM

Tgt Ion: 75 Resp: 165584

Ion Ratio Lower Upper

75 100

77 1.3 20.1 60.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.419 ug/l

RT: 10.30 min Scan# 2864

Delta R.T. -0.20 min

Lab File: VU034080.D

Acq: 29 Aug 2019 22:15

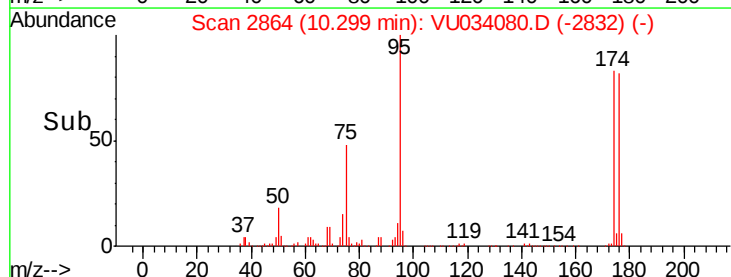
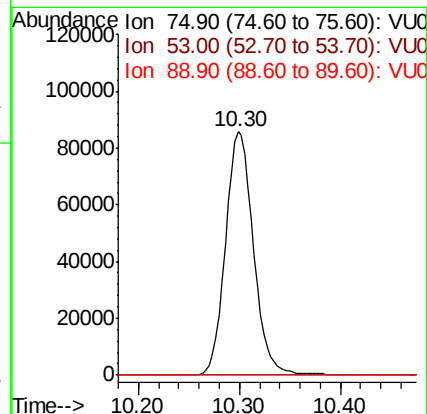
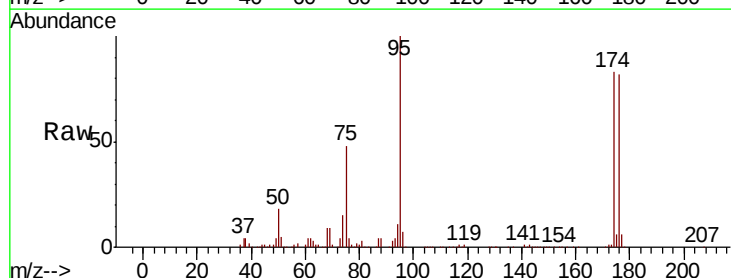
Tgt Ion: 75 Resp: 165584

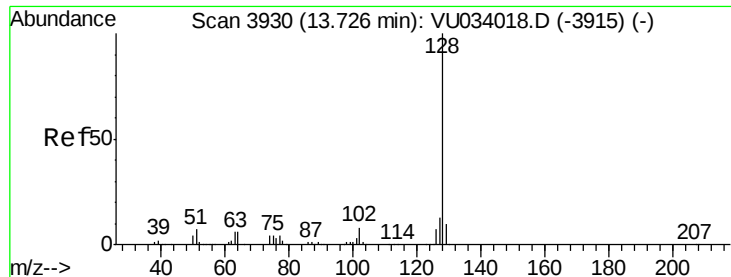
Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0

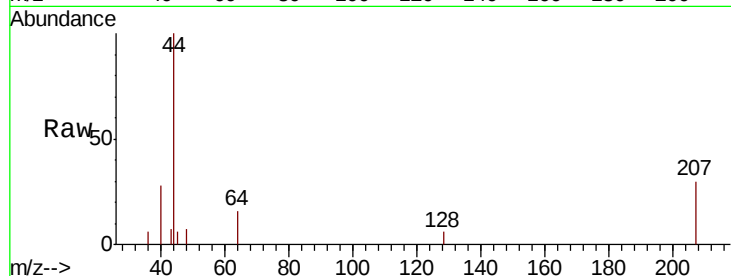




#95
Naphthalene
Concen: 1.791 ug/l
RT: 13.76 min Scan# 3941
Delta R.T. 0.04 min
Lab File: VU034080.D
Acq: 29 Aug 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
CARBON-DRUM

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



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

