

Data File : VU034232.D
Acq On : 03 Sep 2019 17:21
Operator : JC/SP
Sample : K4546-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

Quant Time: Sep 04 04:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	417413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	678831	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	680777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	332376	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	262971	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	4.86	113	220811	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	7.55	98	880882	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	10.29	95	310246	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

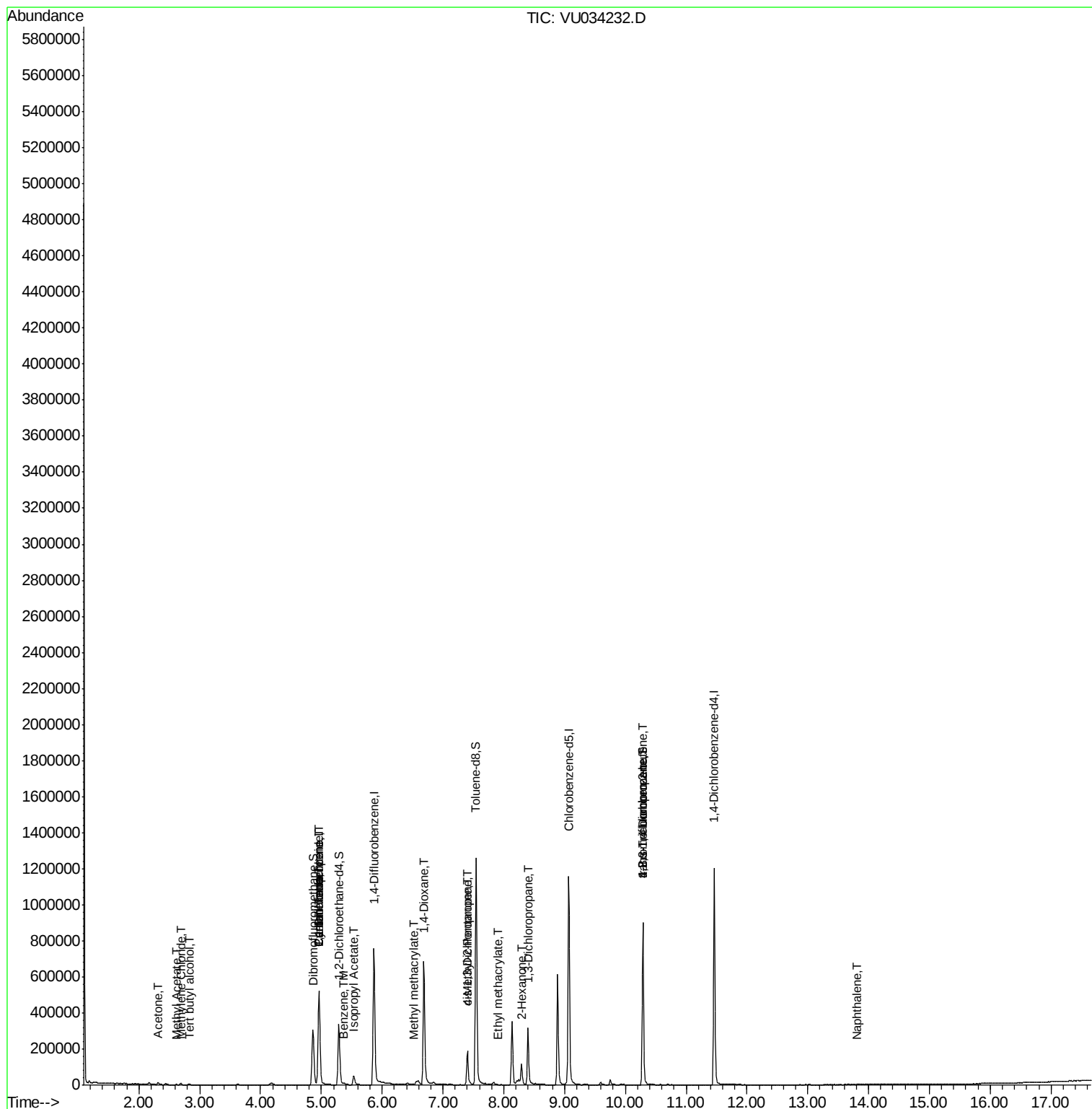
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	467	Below Cal		93
5) Bromomethane	1.60	94	67	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	3762	3.050	ug/l #	76
16) Acetone	2.31	43	13295	4.872	ug/l	93
18) Methyl Acetate	2.61	43	3294	0.467	ug/l	97
20) Methylene Chloride	2.69	84	4505	0.872	ug/l	92
31) Cyclohexane	4.96	56	7215	0.903	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30622	4.769	ug/l #	50
38) Carbon Tetrachloride	4.96	117	38101	6.147	ug/l #	16
40) Benzene	5.37	78	5232	0.269	ug/l	96
43) Isopropyl Acetate	5.53	43	61250	5.599	ug/l	99
48) Methyl methacrylate	6.52	41	4631	0.877	ug/l #	14
49) 1,4-Dioxane	6.67	88	92	0.696	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	67640	8.954	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	36891	4.515	ug/l #	60
56) Ethyl methacrylate	7.91	69	258	1.002	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	3292	0.383	ug/l #	42
59) 2-Hexanone	8.29	43	92370	16.197	ug/l #	23
76) 1,2,3-Trichloropropane	10.29	75	147284	19.661	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	147284	66.203	ug/l #	100
95) Naphthalene	13.81	128	97	1.794	ug/l #	70

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

Data File : VU034232.D
Acq On : 03 Sep 2019 17:21
Operator : JC/SP
Sample : K4546-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

Quant Time: Sep 04 04:26:05 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

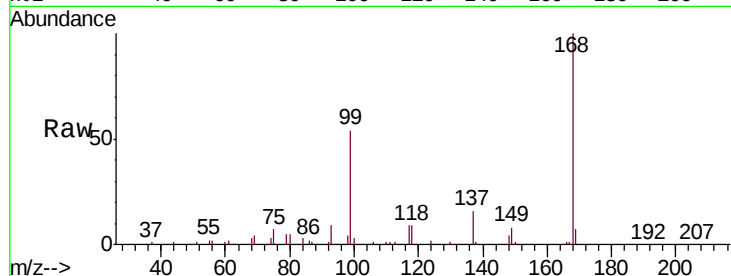




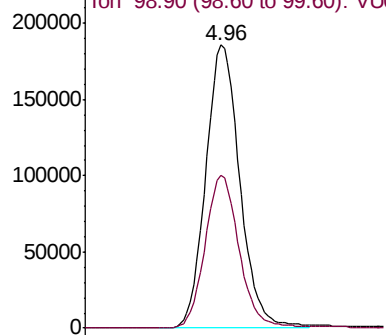
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

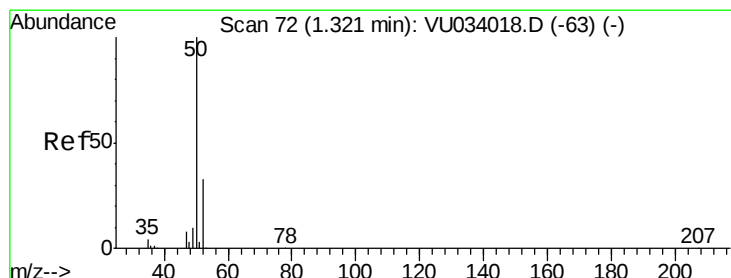
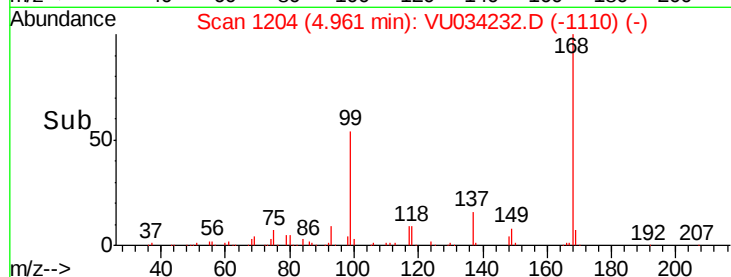
Tgt Ion:168 Resp: 417413
Ion Ratio Lower Upper
168 100
99 53.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)
Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

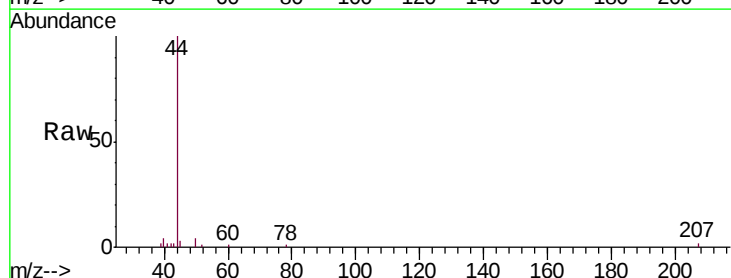


Time-->

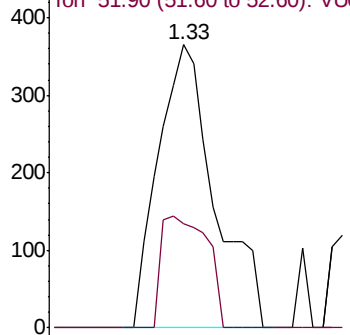


#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 74
Delta R.T. 0.01 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

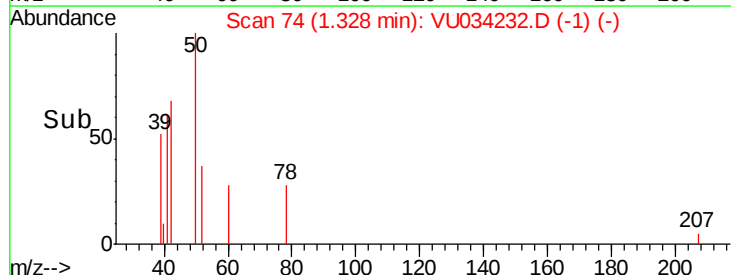
Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 37.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)
Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)



Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

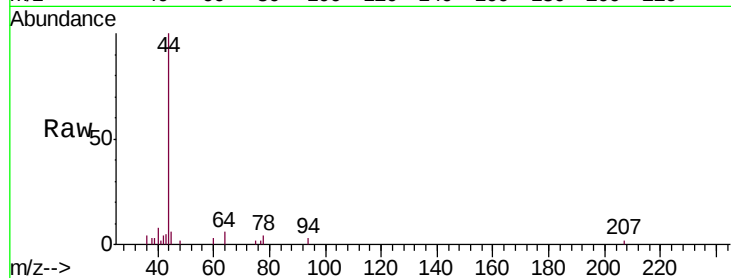
T3-S-C3-(0)

Tgt Ion: 94 Resp: 67

Ion Ratio Lower Upper

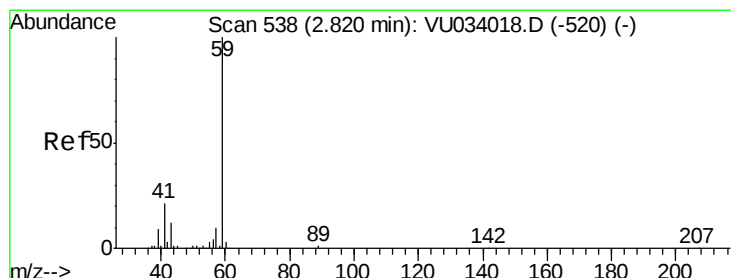
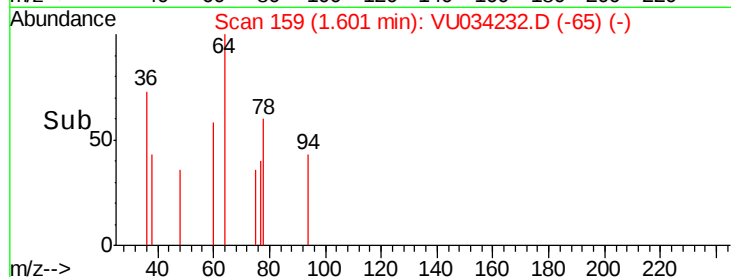
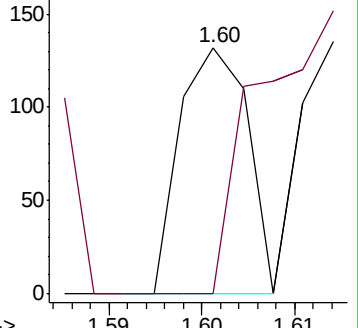
94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#11

Tert butyl alcohol

Concen: 3.050 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034232.D

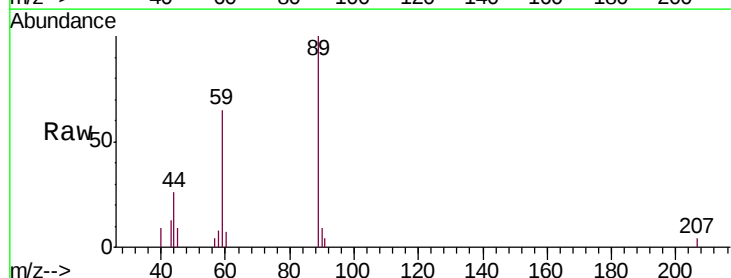
Acq: 03 Sep 2019 17:21

Tgt Ion: 59 Resp: 3762

Ion Ratio Lower Upper

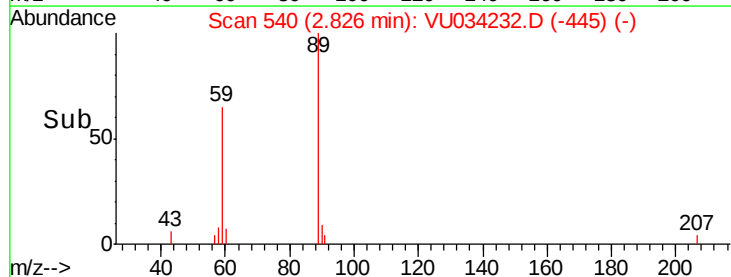
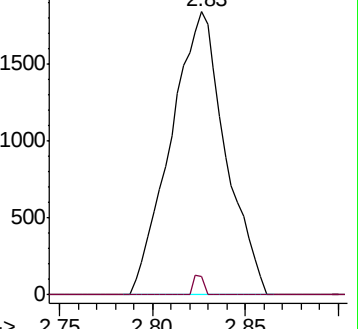
59 100

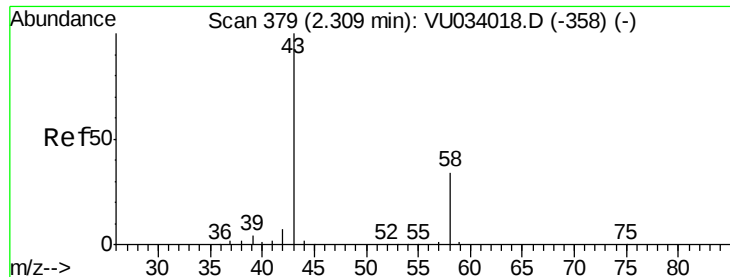
57 1.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.872 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

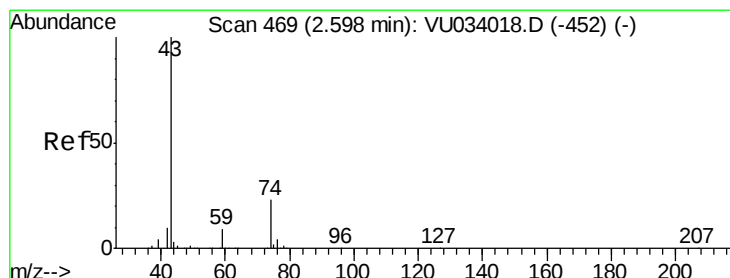
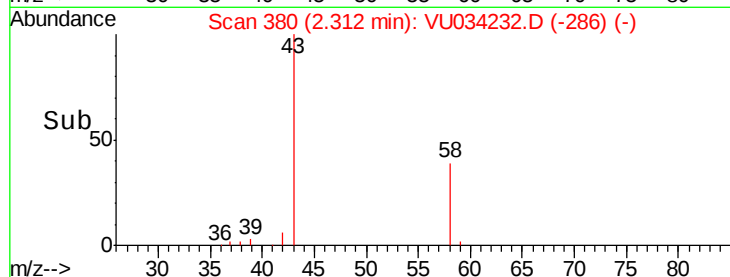
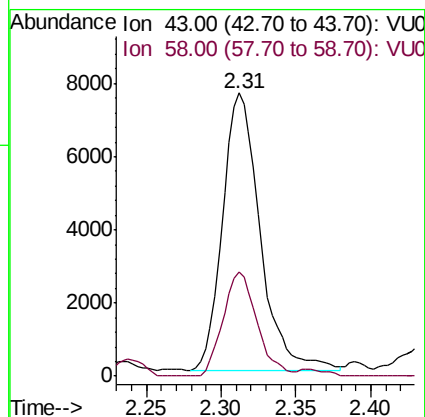
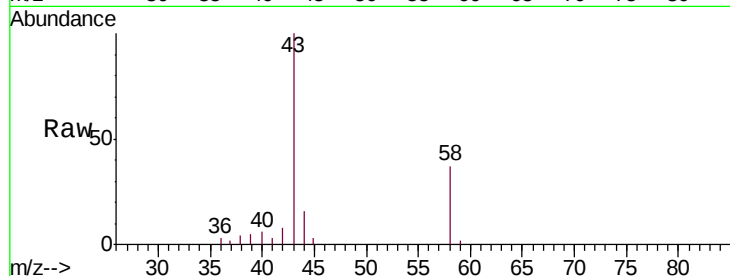
T3-S-C3-(0)

Tgt Ion: 43 Resp: 13295

Ion Ratio Lower Upper

43 100

58 37.5 26.8 40.2



#18

Methyl Acetate

Concen: 0.467 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034232.D

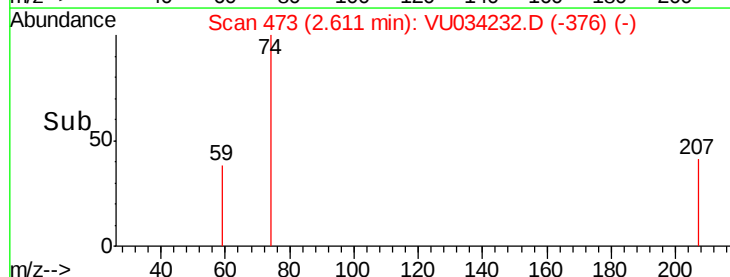
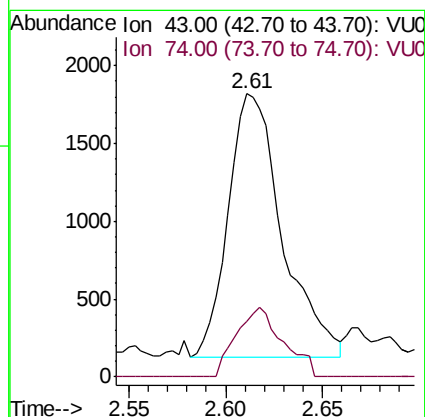
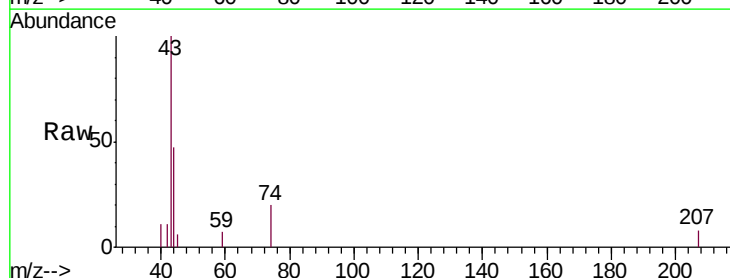
Acq: 03 Sep 2019 17:21

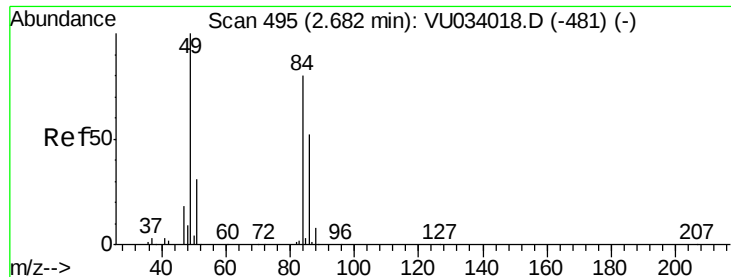
Tgt Ion: 43 Resp: 3294

Ion Ratio Lower Upper

43 100

74 22.7 19.2 28.8

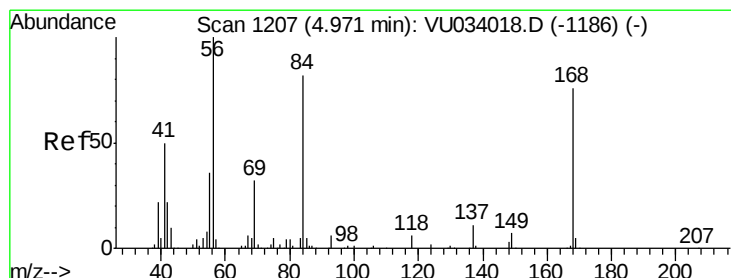
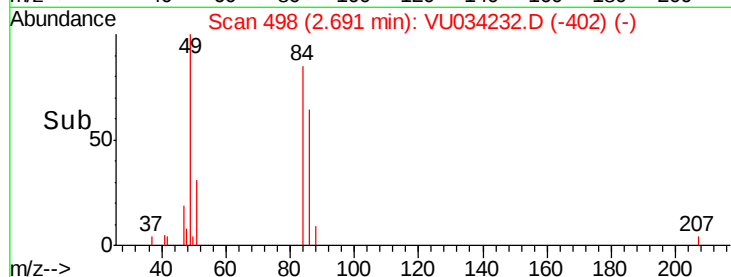
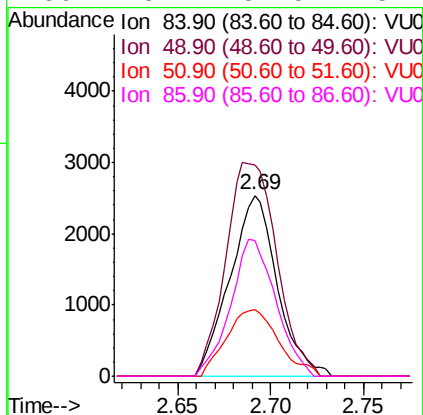
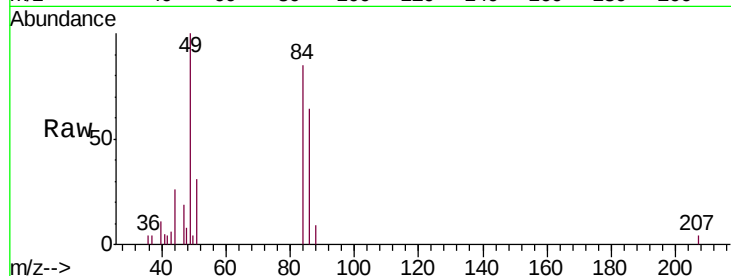




#20
Methylene Chloride
Concen: 0.872 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

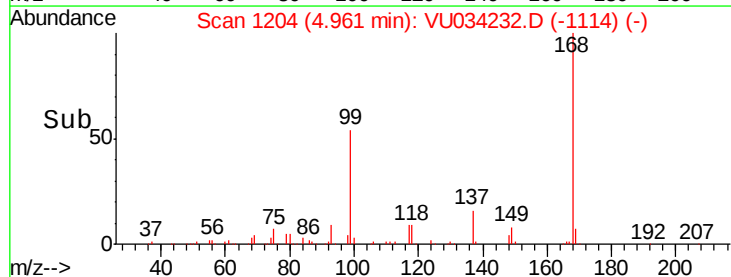
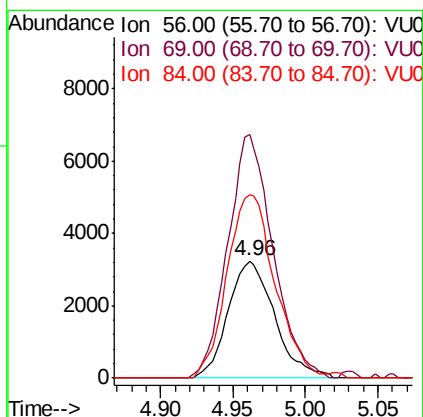
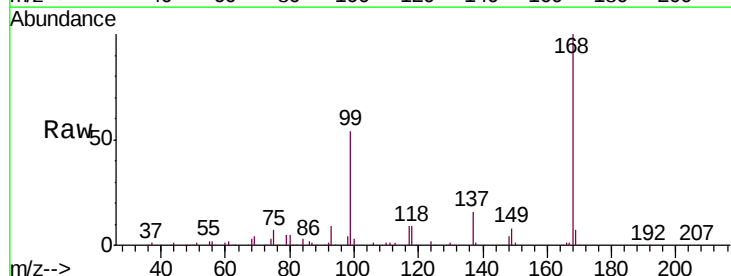
Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

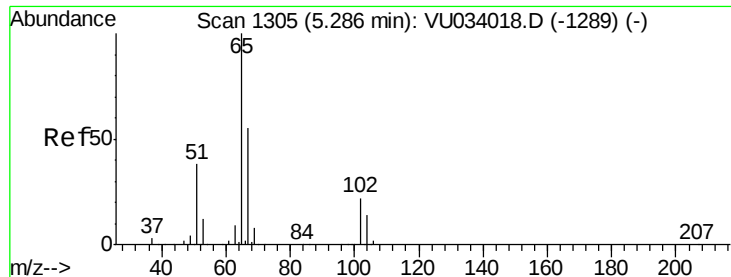
Tgt Ion:	84	Resp:	4505
Ion	Ratio	Lower	Upper
84	100		
49	117.2	100.2	150.4
51	36.5	30.8	46.2
86	75.1	52.5	78.7



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Tgt Ion:	56	Resp:	7215
Ion	Ratio	Lower	Upper
56	100		
69	207.8	25.4	38.0#
84	157.1	65.8	98.8#

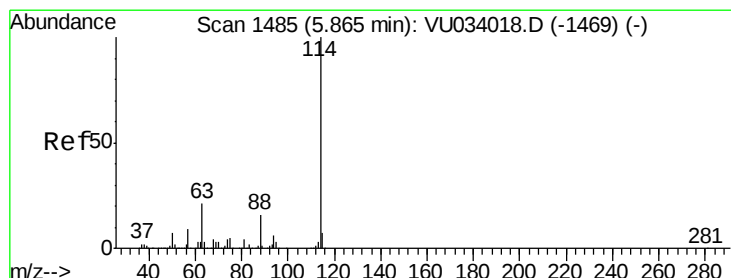
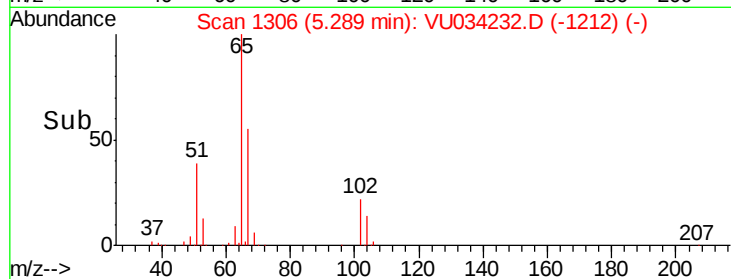
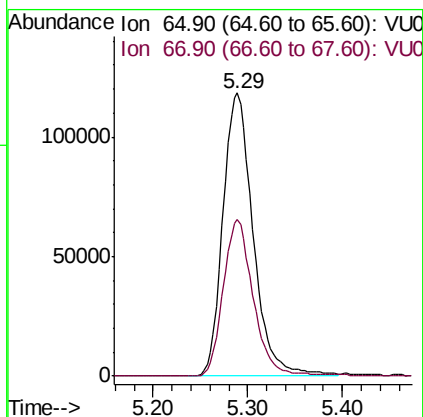
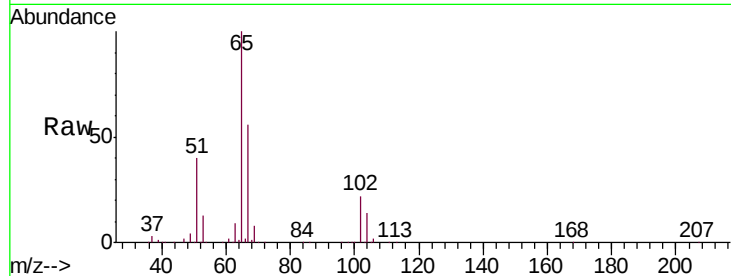




#33
 1,2-Dichloroethane-d4
 Concen: 49.167 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

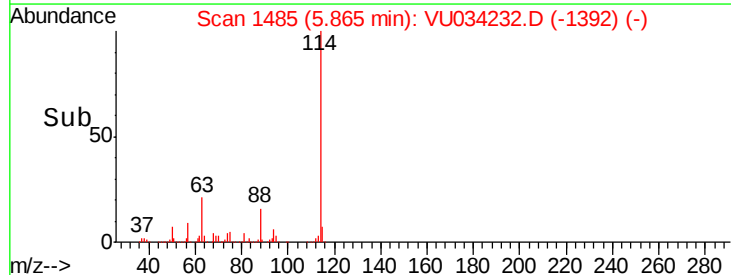
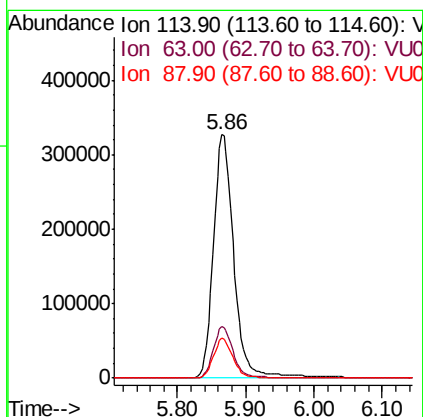
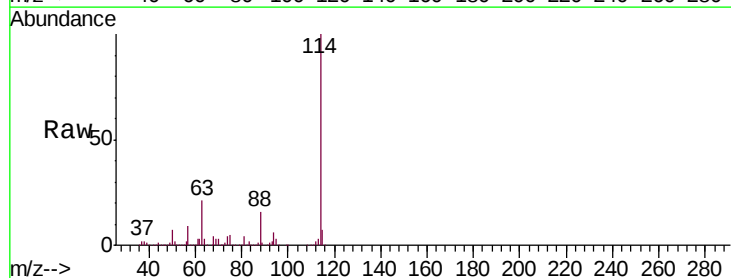
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(0)

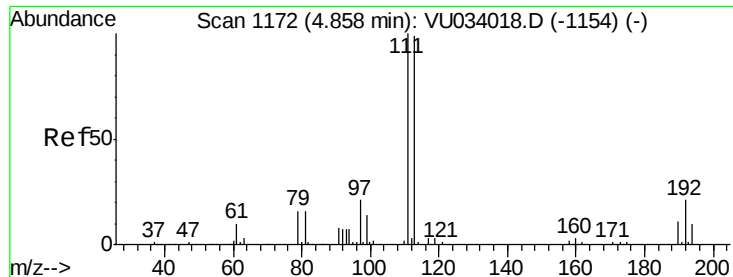
Tgt Ion: 65 Resp: 262971
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

Tgt Ion: 114 Resp: 678831
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.0
 88 16.3 0.0 32.0

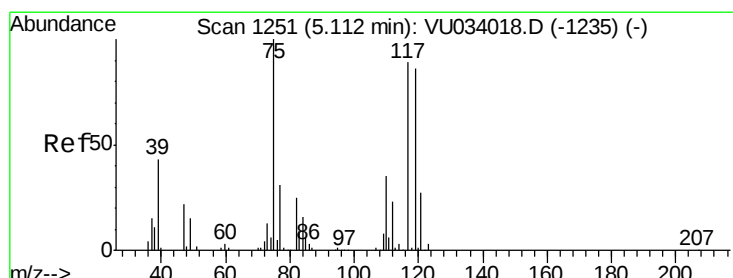
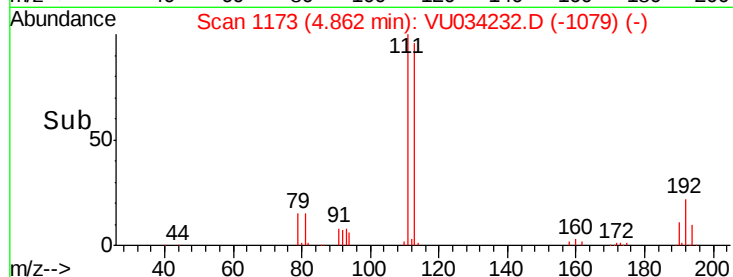
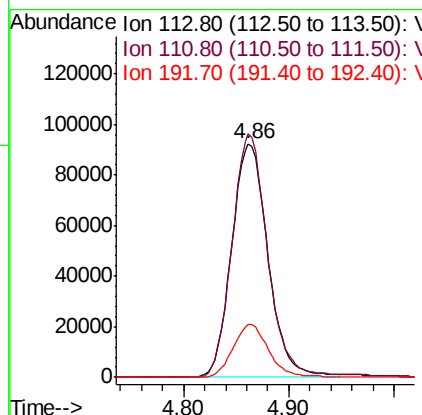
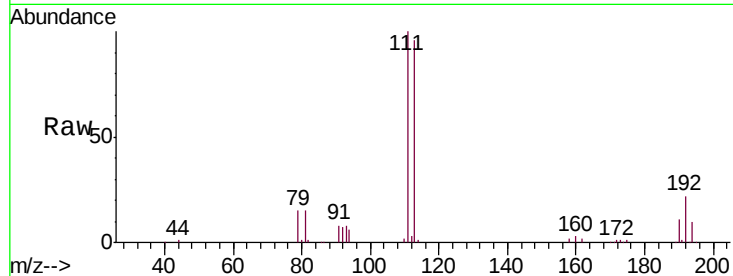




#35
 Dibromofluoromethane
 Concen: 46.898 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

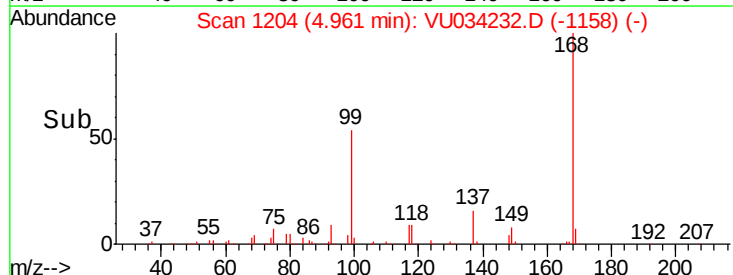
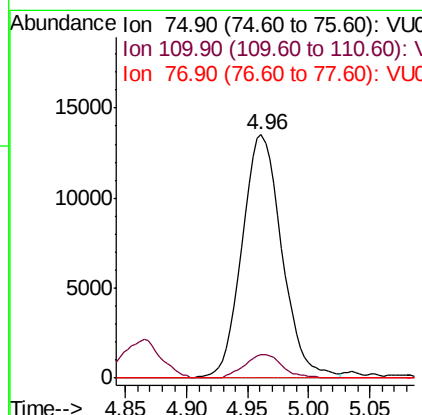
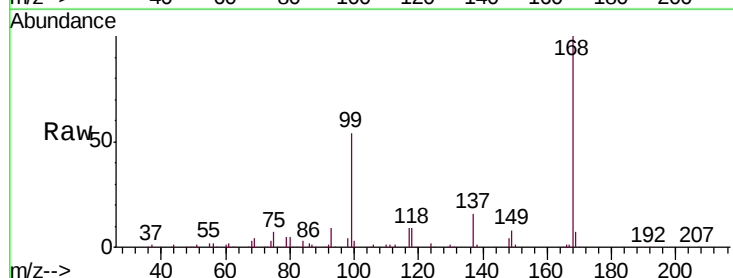
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(0)

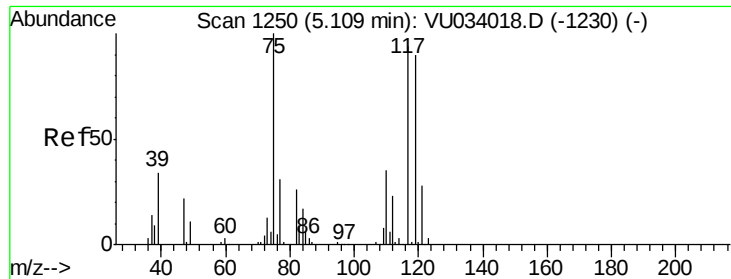
Tgt Ion:113 Resp: 220811
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.7 122.5
 192 22.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

Tgt Ion: 75 Resp: 30622
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(0)

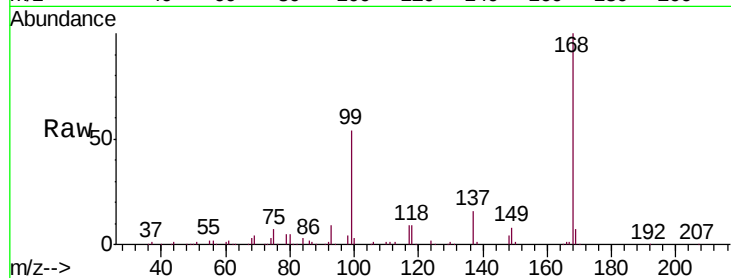
Tgt Ion:117 Resp: 38101

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

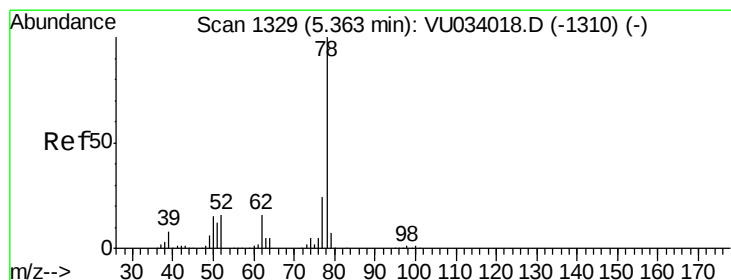
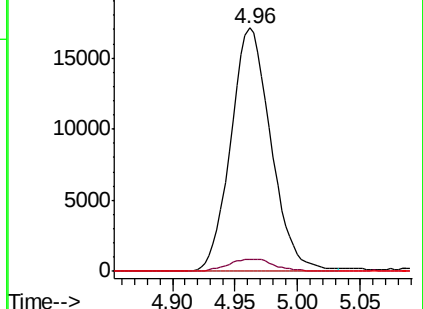
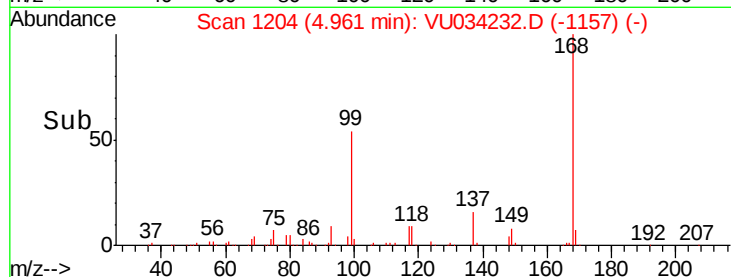
121 0.0 23.9 35.9#



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



#40

Benzene

Concen: 0.269 ug/l

RT: 5.37 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VU034232.D

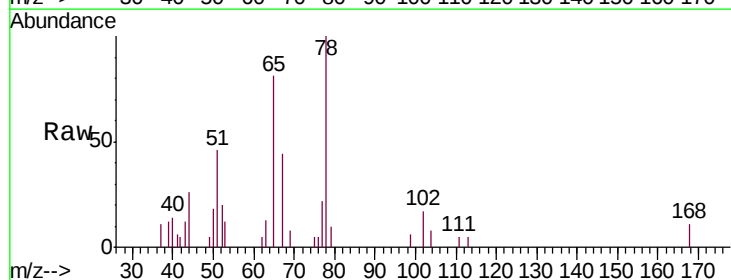
Acq: 03 Sep 2019 17:21

Tgt Ion: 78 Resp: 5232

Ion Ratio Lower Upper

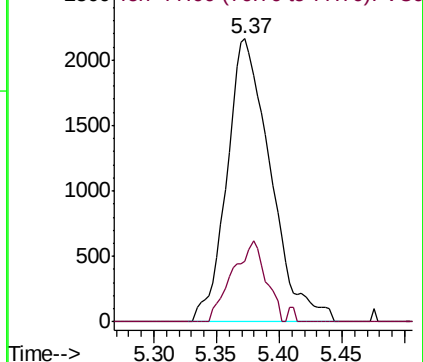
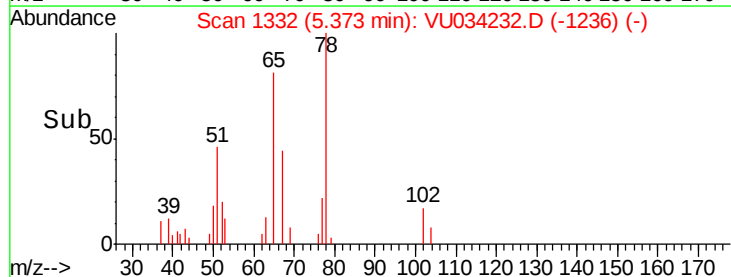
78 100

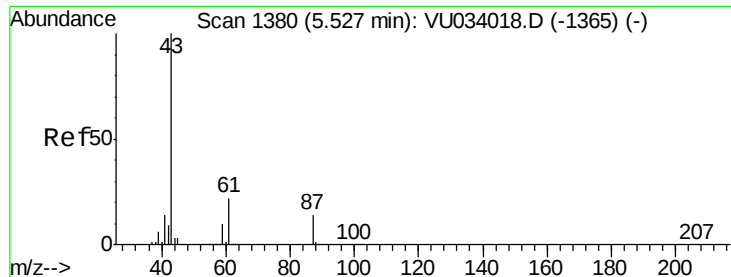
77 21.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#43

Isopropyl Acetate

Concen: 5.599 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(0)

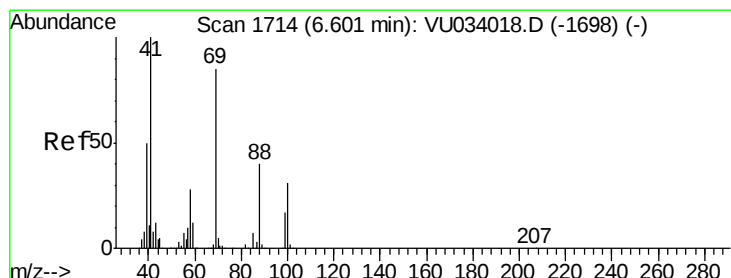
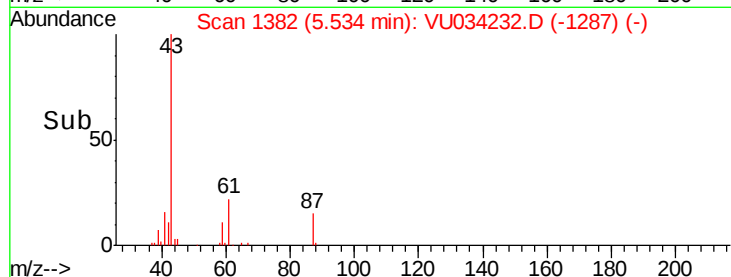
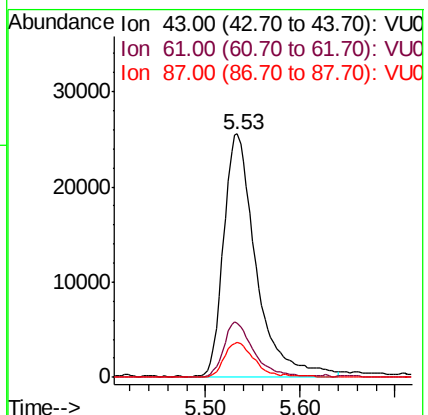
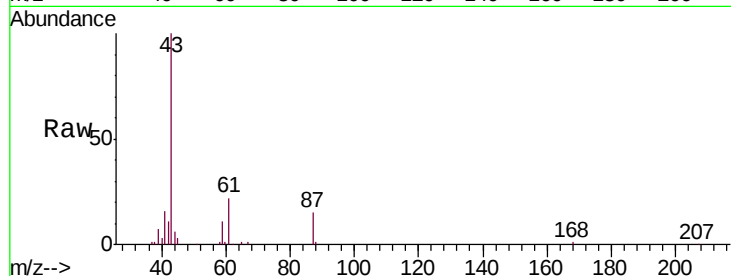
Tgt Ion: 43 Resp: 61250

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

87 13.1 10.8 16.2



#48

Methyl methacrylate

Concen: 0.877 ug/l

RT: 6.52 min Scan# 1690

Delta R.T. -0.08 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

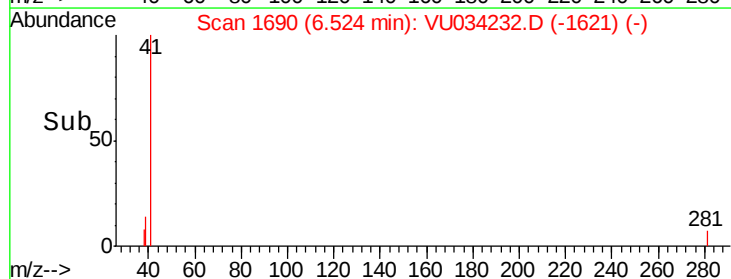
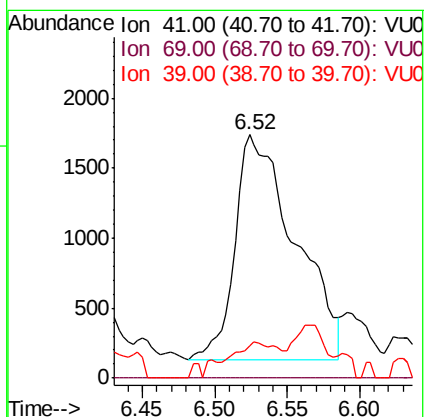
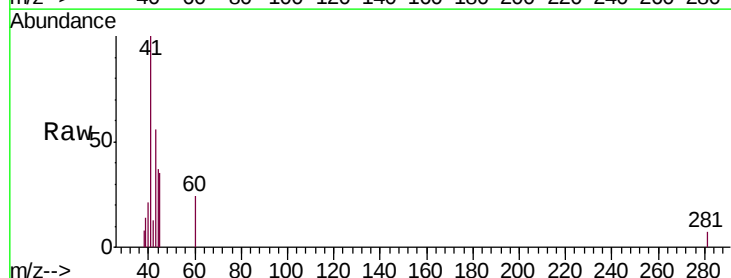
Tgt Ion: 41 Resp: 4631

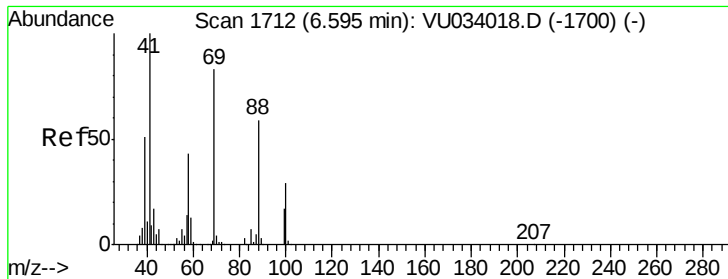
Ion Ratio Lower Upper

41 100

69 0.0 69.5 104.3#

39 0.0 40.3 60.5#

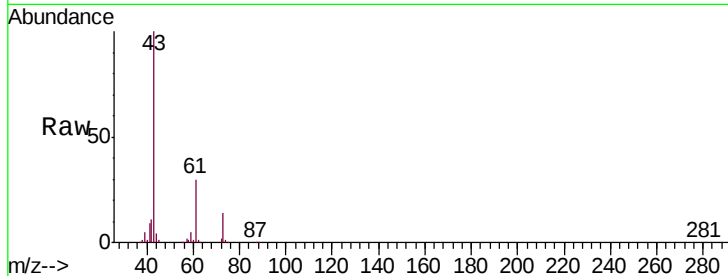




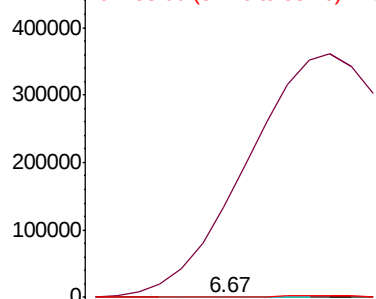
#49
1,4-Dioxane
Concen: 0.696 ug/l
RT: 6.67 min Scan# 1736
Delta R.T. 0.08 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

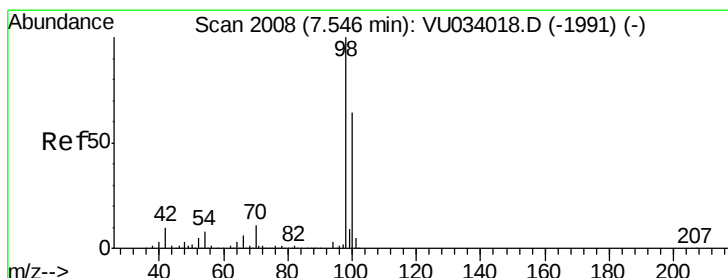
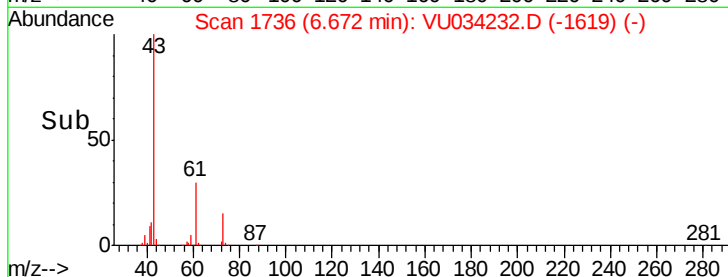
Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 742213.0 24.8 37.2#
58 4295.7 59.3 88.9#



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

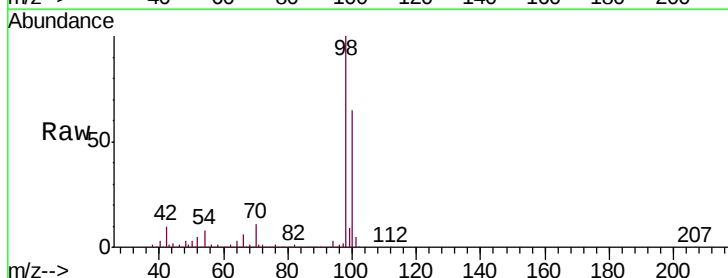


Time-->

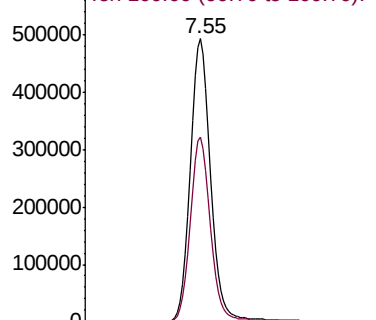


#50
Toluene-d8
Concen: 49.966 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

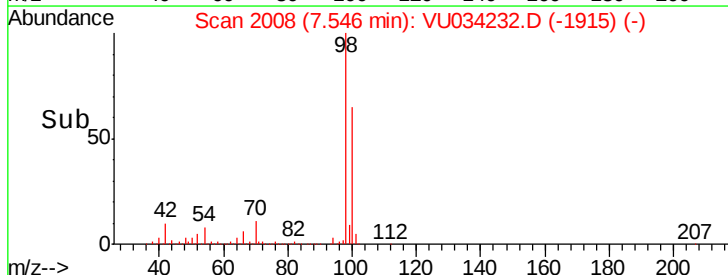
Tgt Ion: 98 Resp: 880882
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5

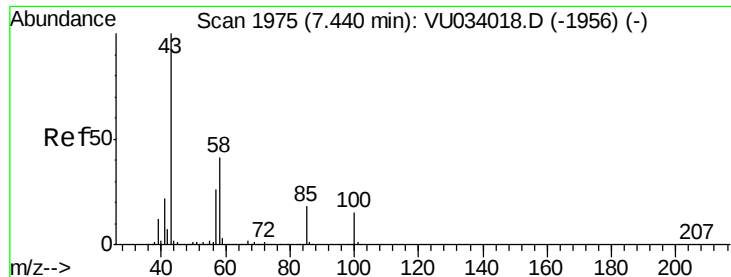


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



Time-->

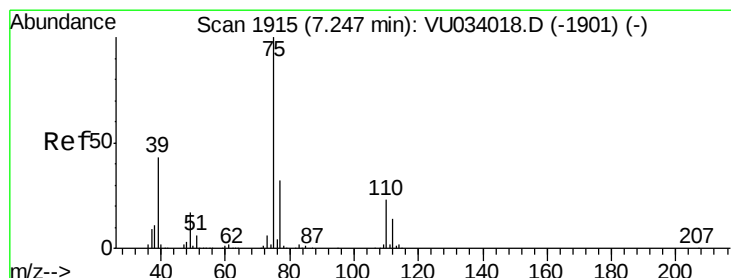
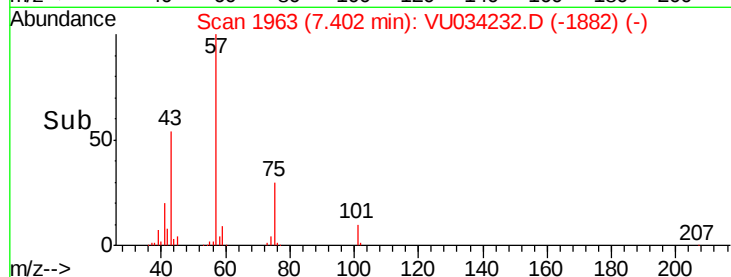
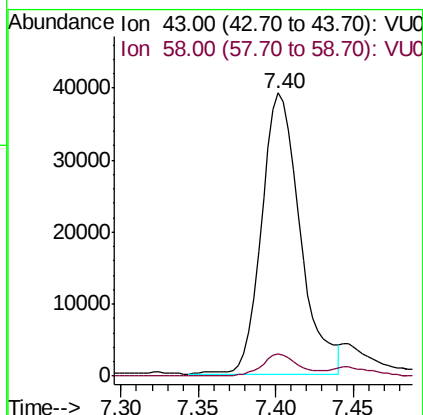
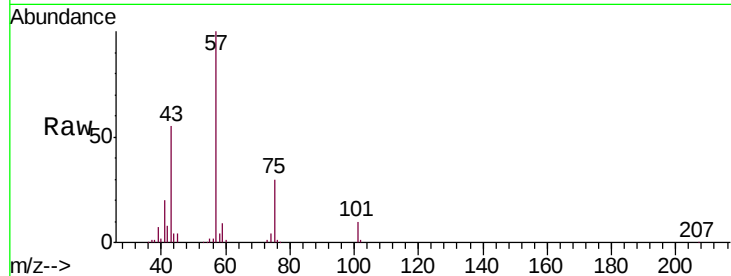




#51
 4-Methyl-2-Pentanone
 Concen: 8.954 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

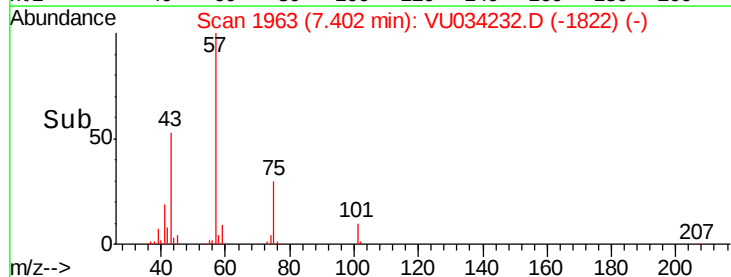
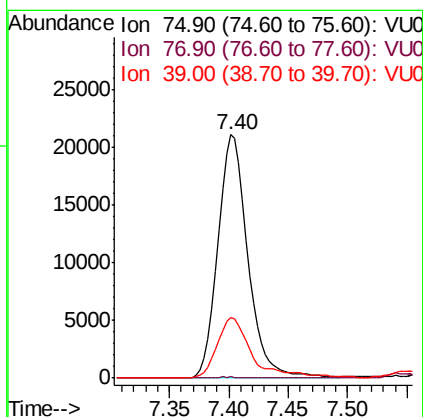
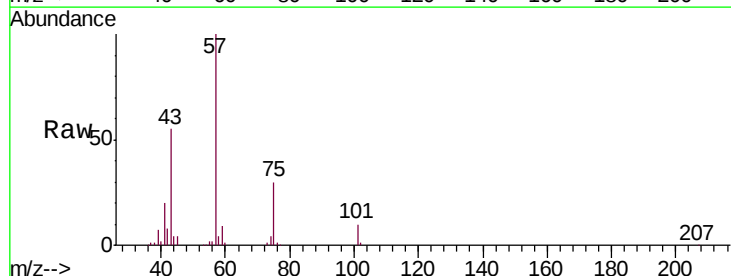
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(0)

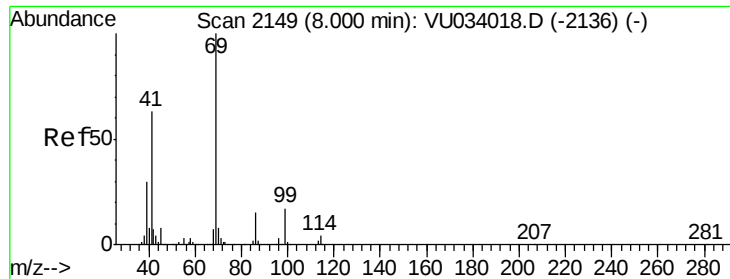
Tgt Ion: 43 Resp: 67640
 Ion Ratio Lower Upper
 43 100
 58 7.4 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

Tgt Ion: 75 Resp: 36891
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 24.8 34.6 51.8#





#56

Ethyl methacrylate

Concen: 1.002 ug/l

RT: 7.91 min Scan# 2122

Delta R.T. -0.09 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(0)

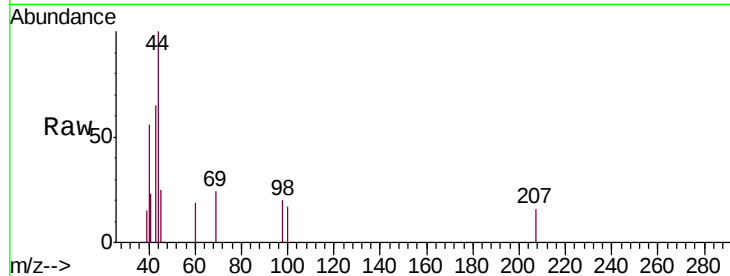
Tgt Ion: 69 Resp: 258

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 24.2 36.2#

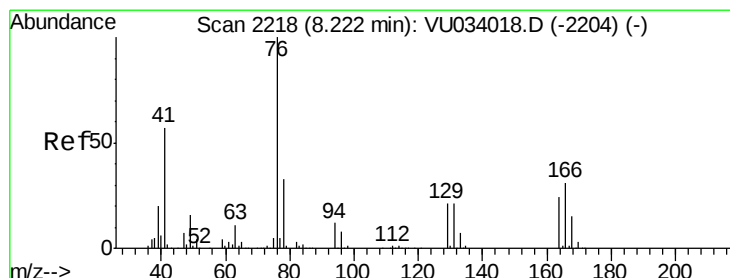
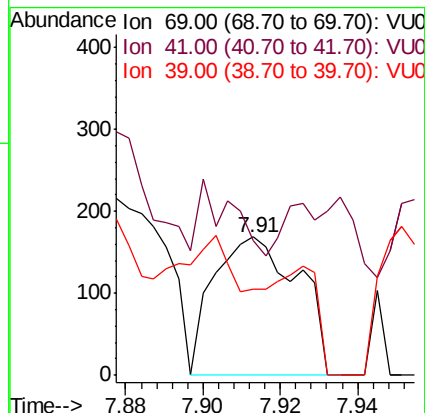
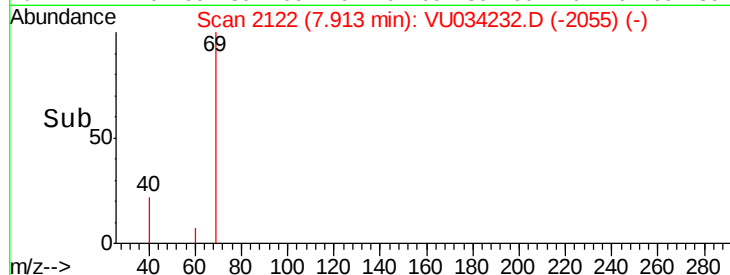


Abundance Ion 69.00 (68.70 to 69.70): VU034018.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034018.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-2136) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.383 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.18 min

Lab File: VU034232.D

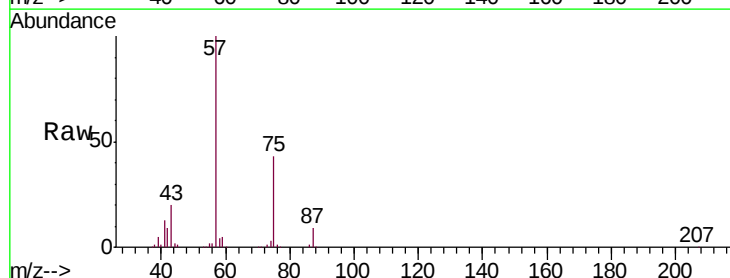
Acq: 03 Sep 2019 17:21

Tgt Ion: 76 Resp: 3292

Ion Ratio Lower Upper

76 100

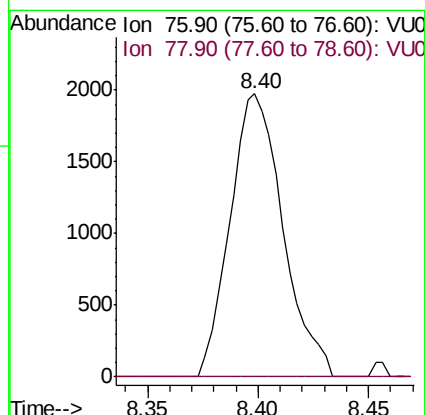
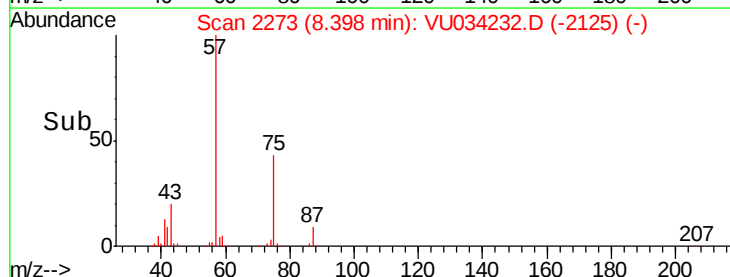
78 0.0 26.2 39.4#

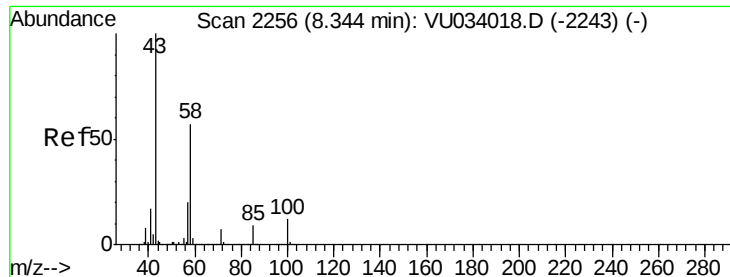


Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-2204) (-)

Time-->

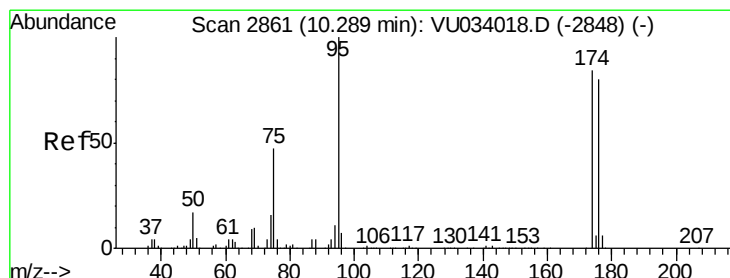
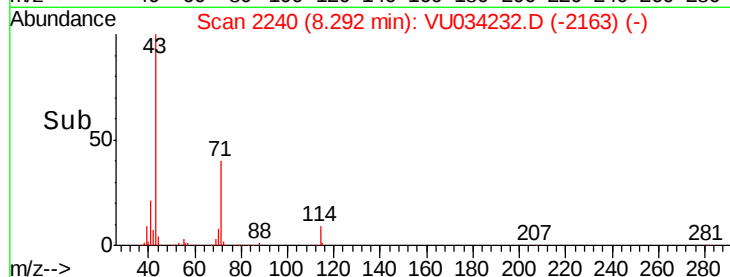
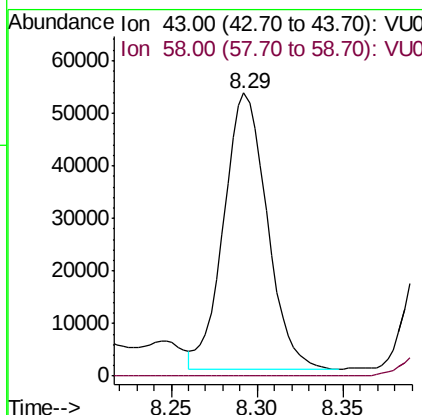
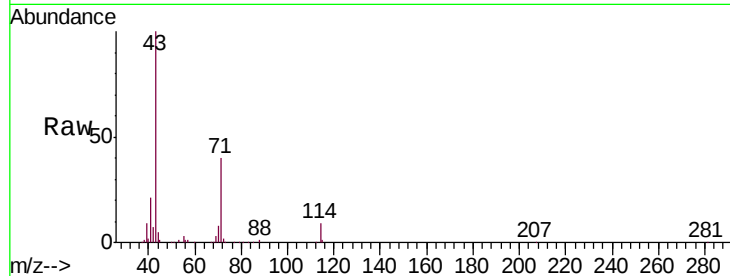




#59
 2-Hexanone
 Concen: 16.197 ug/l
 RT: 8.29 min Scan# 2240
 Delta R.T. -0.05 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

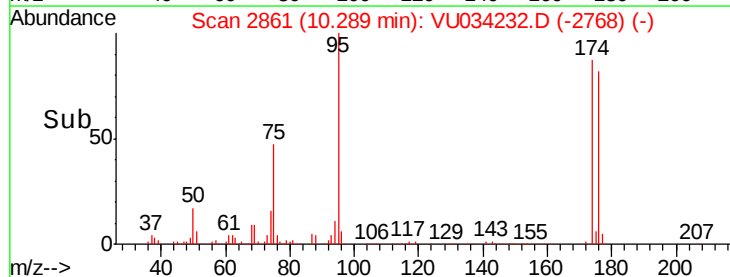
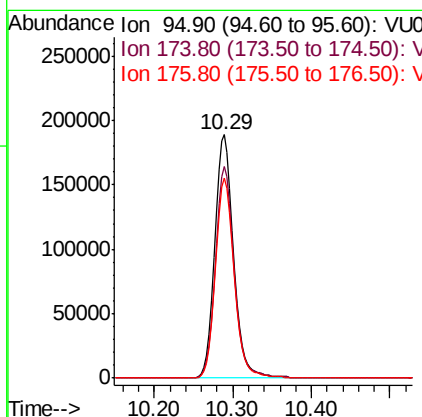
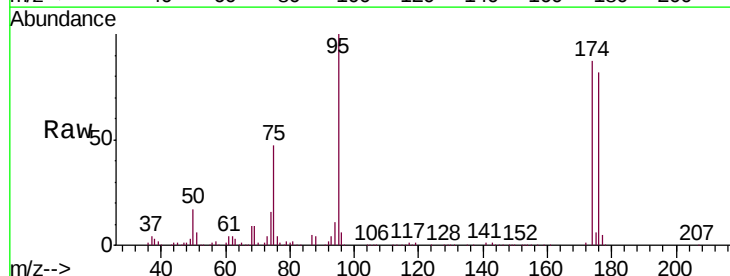
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(0)

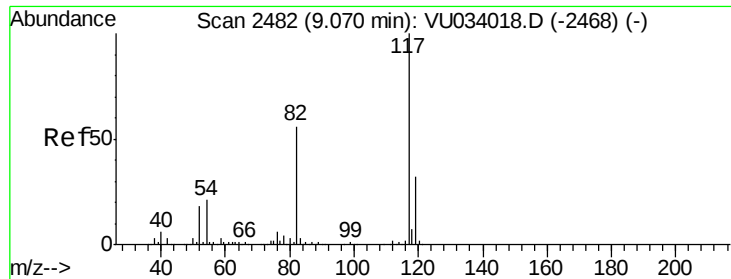
Tgt Ion: 43 Resp: 92370
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.4 85.3#



#62
 4-Bromofluorobenzene
 Concen: 45.240 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034232.D
 Acq: 03 Sep 2019 17:21

Tgt Ion: 95 Resp: 310246
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 168.8
 176 82.5 0.0 161.8

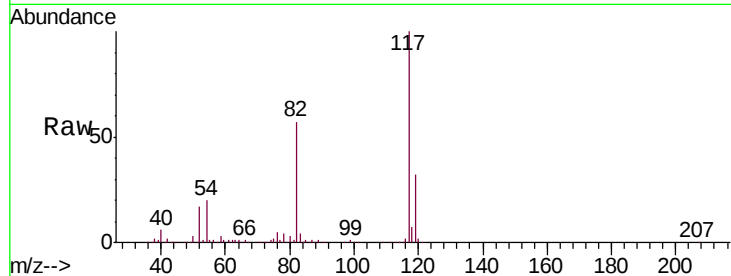




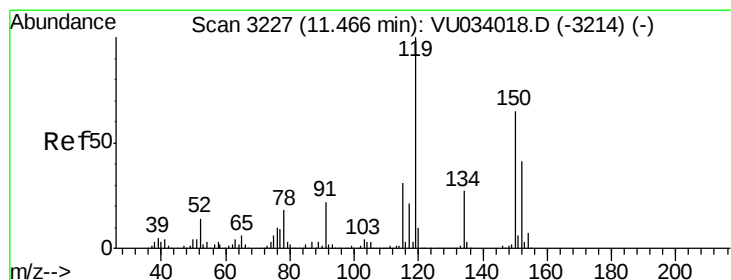
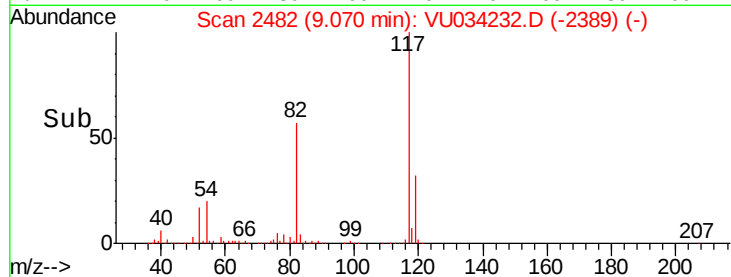
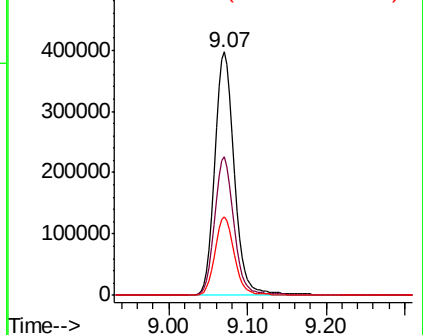
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

Tgt Ion:117 Resp: 680777
Ion Ratio Lower Upper
117 100
82 56.7 45.1 67.7
119 32.3 25.4 38.0

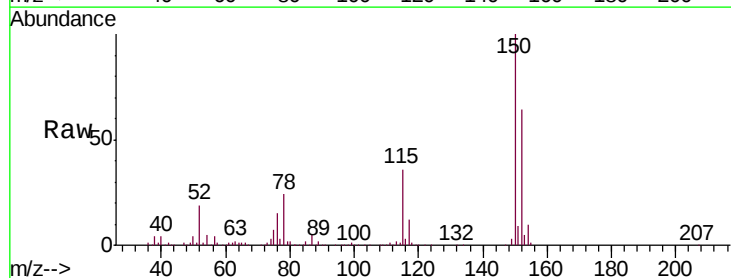


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

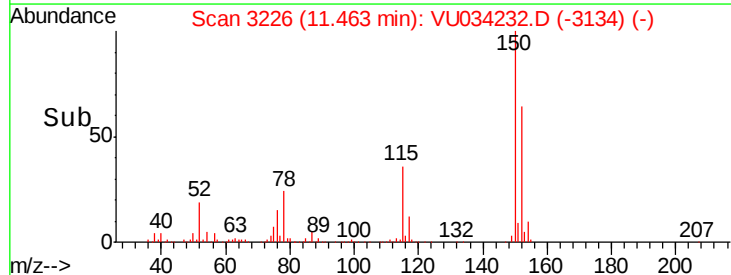
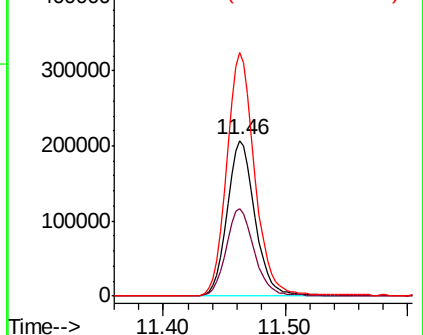


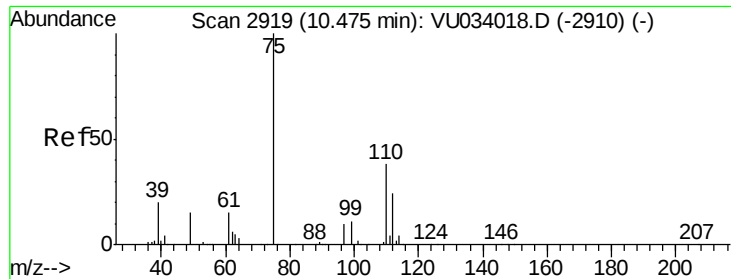
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Tgt Ion:152 Resp: 332376
Ion Ratio Lower Upper
152 100
115 57.0 41.1 123.3
150 156.7 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 19.661 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA_U

ClientSampleId :

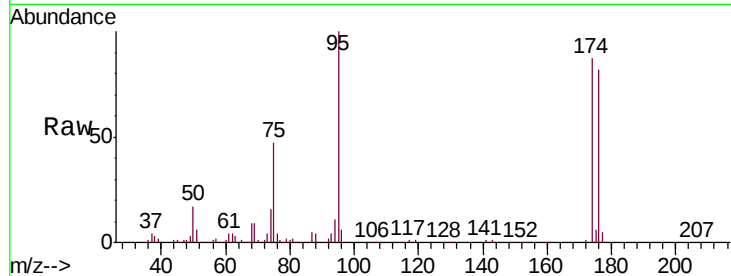
T3-S-C3-(0)

Tgt Ion: 75 Resp: 147284

Ion Ratio Lower Upper

75 100

77 1.4 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.29

80000

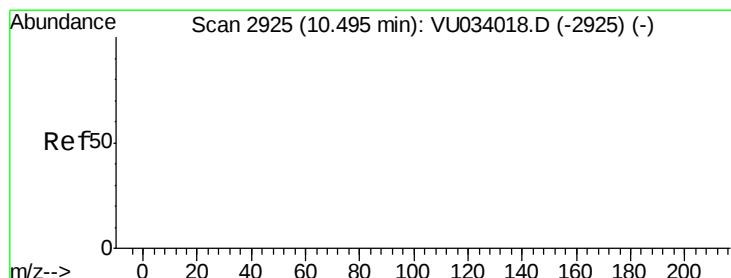
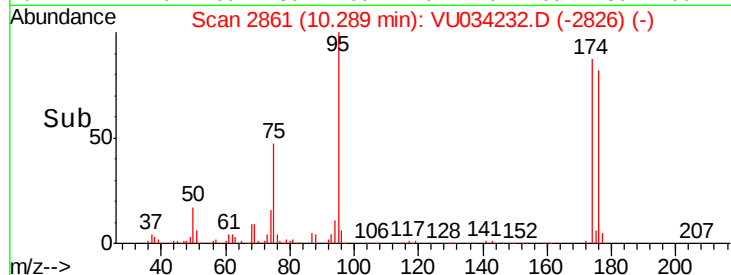
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 66.203 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

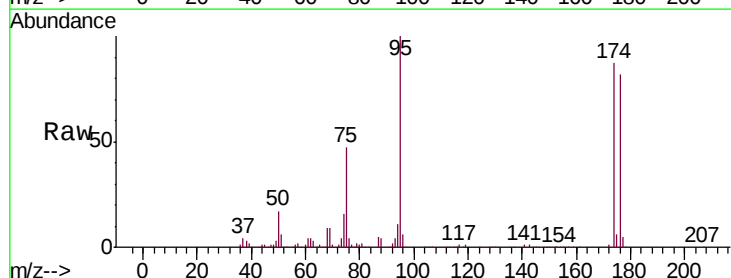
Tgt Ion: 75 Resp: 147284

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.29

120000

100000

80000

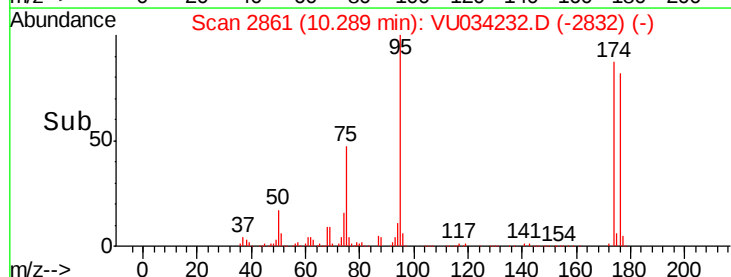
60000

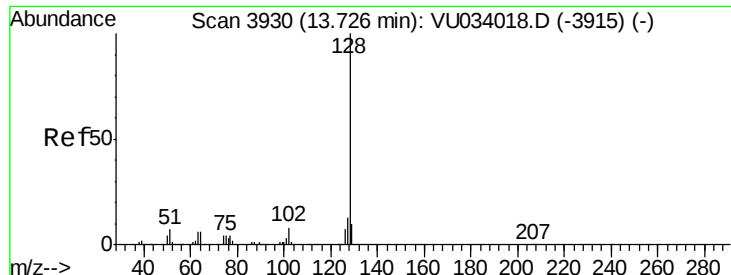
40000

20000

0

Time--> 10.20 10.30 10.40

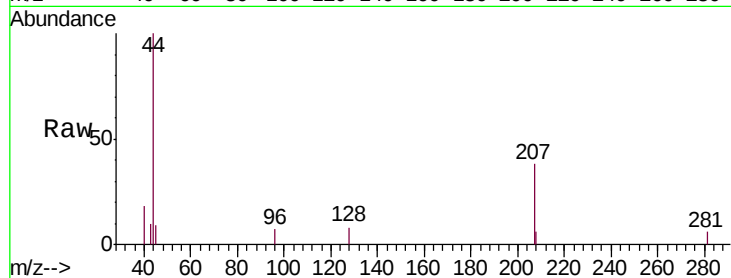




#95
Naphthalene
Concen: 1.794 ug/l
RT: 13.81 min Scan# 3956
Delta R.T. 0.08 min
Lab File: VU034232.D
Acq: 03 Sep 2019 17:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(0)

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

