

Data File : VU034006.D
Acq On : 28 Aug 2019 05:51
Operator : JC/SP
Sample : K4516-39
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

Quant Time: Aug 28 06:35:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	437752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	695766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	677880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	296264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	299249	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	4.86	113	235605	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	7.55	98	914852	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	10.29	95	299989	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds

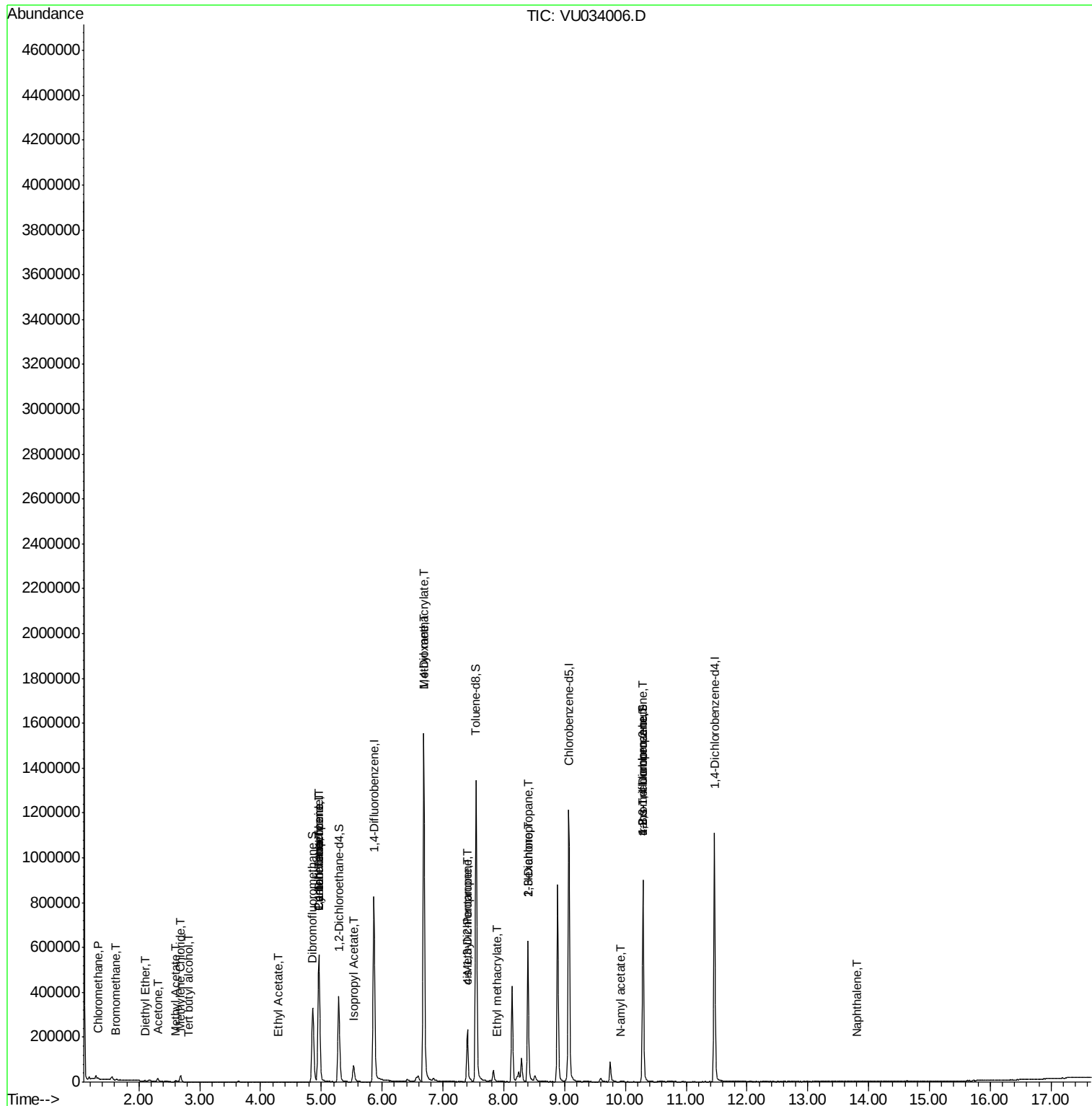
						Qvalue
3) Chloromethane	1.32	50	3623	1.658	ug/l	99
5) Bromomethane	1.62	94	716	0.268	ug/l	98
8) Diethyl Ether	2.09	74	610	0.278	ug/l	84
11) Tert butyl alcohol	2.82	59	625	0.496	ug/l #	94
16) Acetone	2.31	43	12606	5.415	ug/l	100
18) Methyl Acetate	2.60	43	7594	1.324	ug/l	90
20) Methylene Chloride	2.68	84	11566	2.342	ug/l	89
31) Cyclohexane	4.96	56	8961	1.250	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33243	5.217	ug/l #	49
37) Ethyl Acetate	4.29	43	1867	0.292	ug/l #	67
38) Carbon Tetrachloride	4.96	117	41684	6.419	ug/l #	15
43) Isopropyl Acetate	5.53	43	87573	8.936	ug/l	94
48) Methyl methacrylate	6.68	41	138182	29.655	ug/l #	36
49) 1,4-Dioxane	6.69	88	142	1.110	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	82474	12.205	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	40004	5.097	ug/l #	67
56) Ethyl methacrylate	7.90	69	251	2.545	ug/l #	29
57) 1,3-Dichloropropane	8.40	76	5900	0.717	ug/l #	43
59) 2-Hexanone	8.40	43	85557	16.473	ug/l #	51
74) N-amyl acetate	9.92	43	2184	0.305	ug/l #	40
76) 1,2,3-Trichloropropane	10.29	75	147159	24.929	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.29	75	147159	71.403	ug/l #	100
95) Naphthalene	13.80	128	39	2.085	ug/l #	70

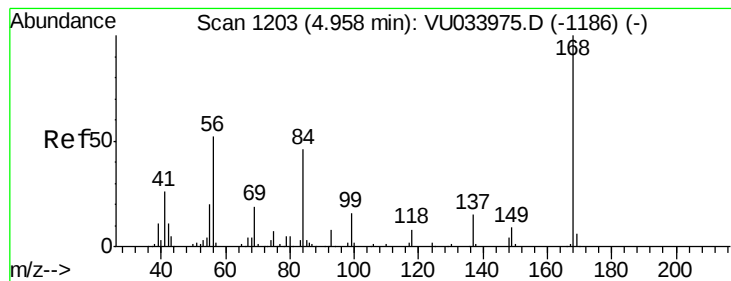
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034006.D
Acq On : 28 Aug 2019 05:51
Operator : JC/SP
Sample : K4516-39
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

Quant Time: Aug 28 06:35:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 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: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

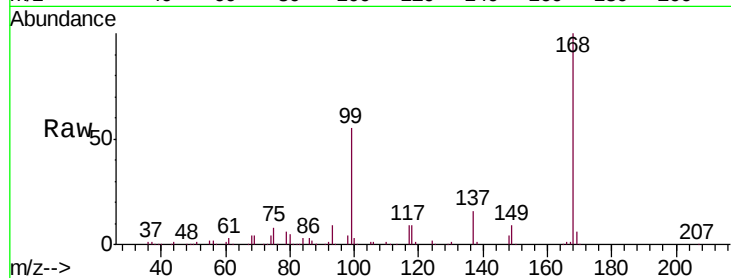
T2-S-D-(2.5)

Tgt Ion:168 Resp: 437752

Ion Ratio Lower Upper

168 100

99 55.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

200000

150000

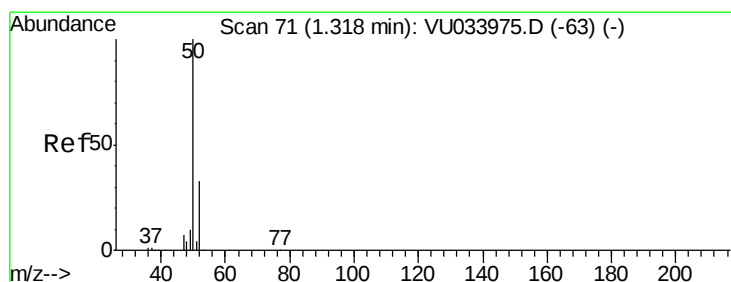
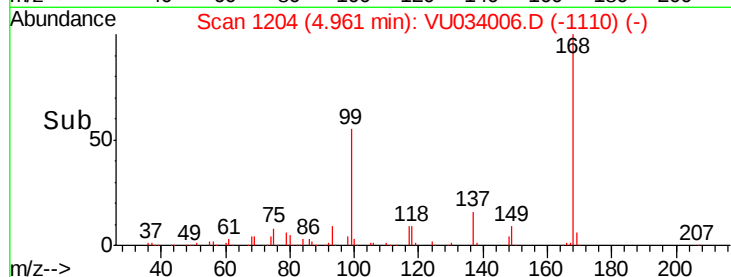
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 1.658 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU034006.D

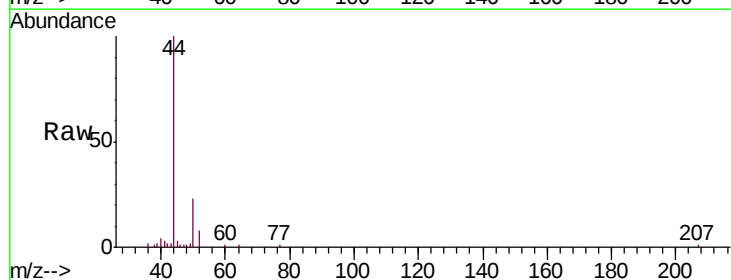
Acq: 28 Aug 2019 05:51

Tgt Ion: 50 Resp: 3623

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033975.D (-63) (-)

1.32

3000

2500

2000

1500

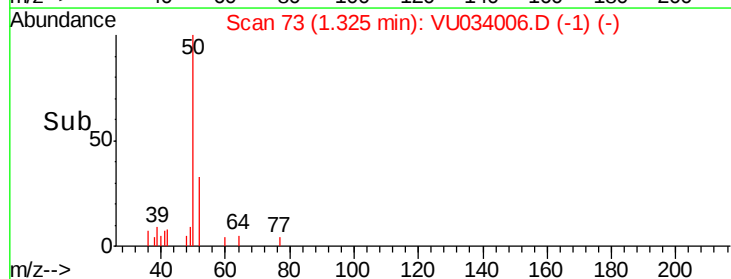
1000

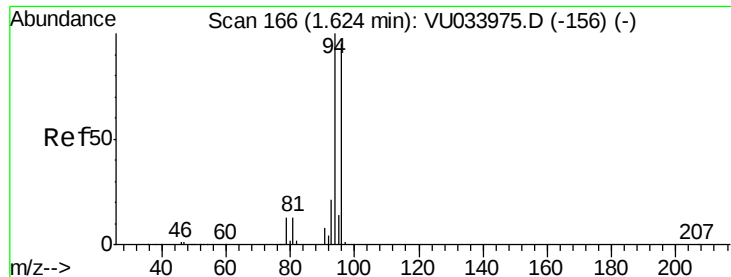
500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

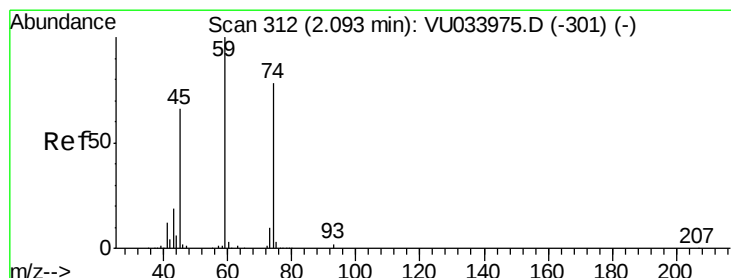
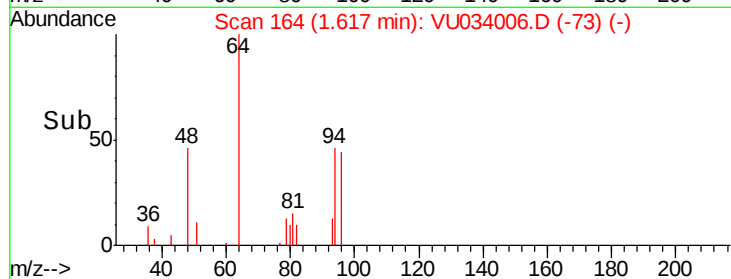
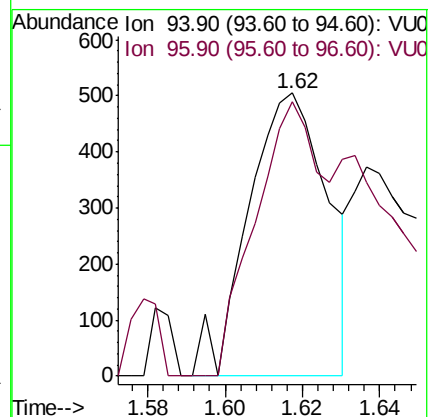
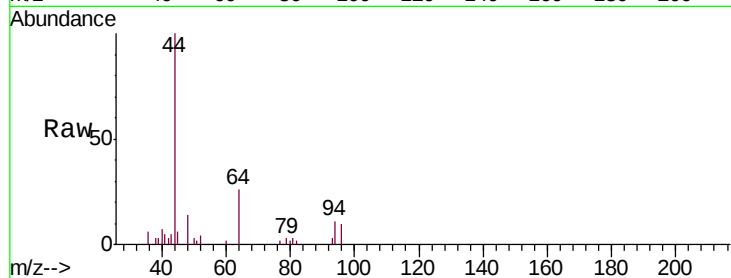
T2-S-D-(2.5)

Tgt Ion: 94 Resp: 716

Ion Ratio Lower Upper

94 100

96 97.0 76.3 114.5



#8

Diethyl Ether

Concen: 0.278 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034006.D

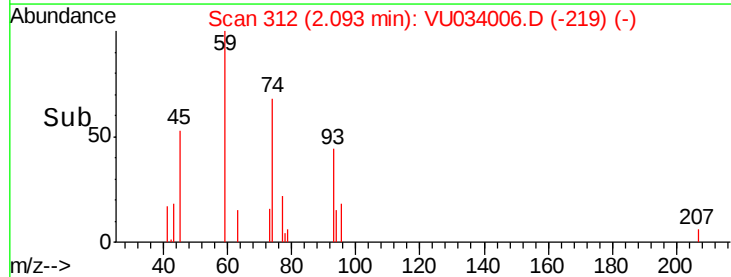
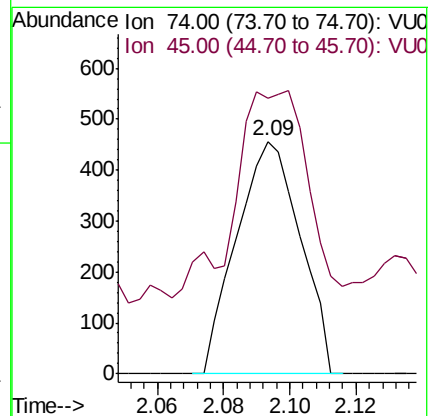
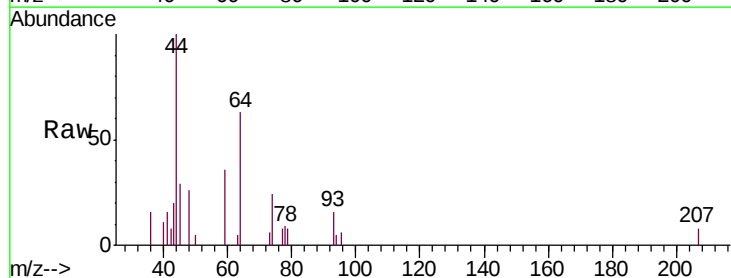
Acq: 28 Aug 2019 05:51

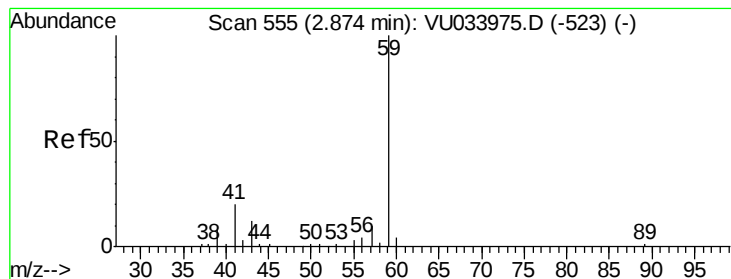
Tgt Ion: 74 Resp: 610

Ion Ratio Lower Upper

74 100

45 99.8 42.8 128.4



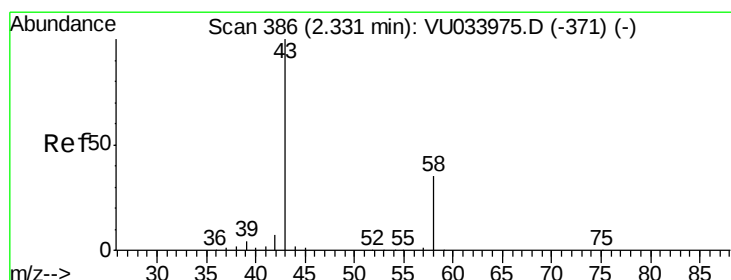
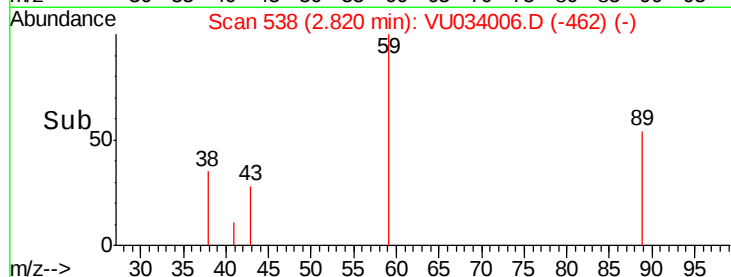
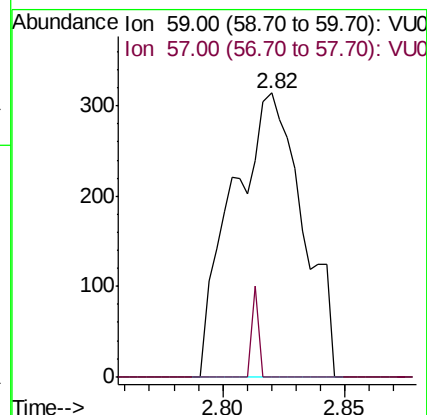
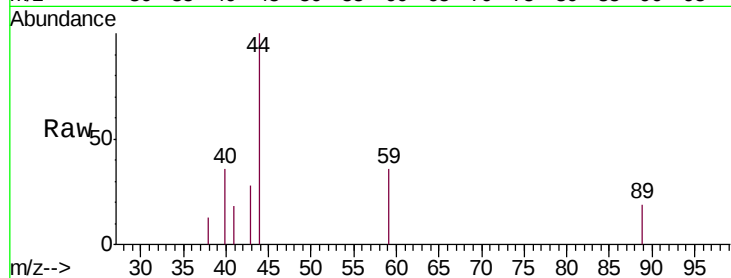


#11

Tert butyl alcohol
 Concen: 0.496 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. -0.05 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 T2-S-D-(2.5)

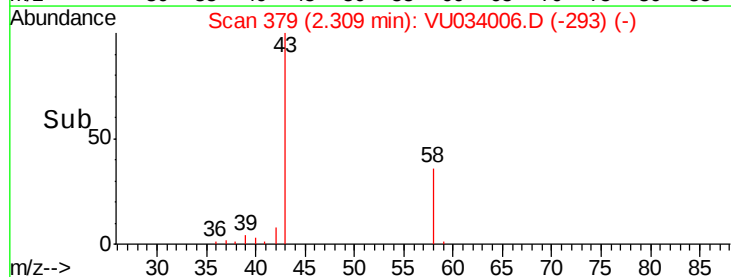
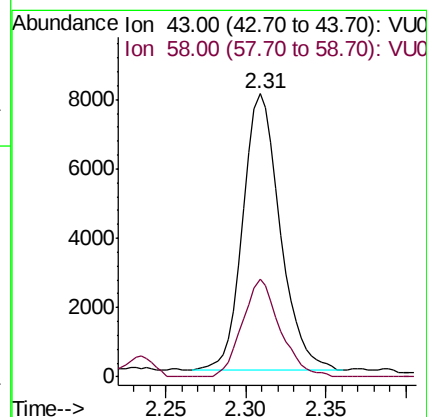
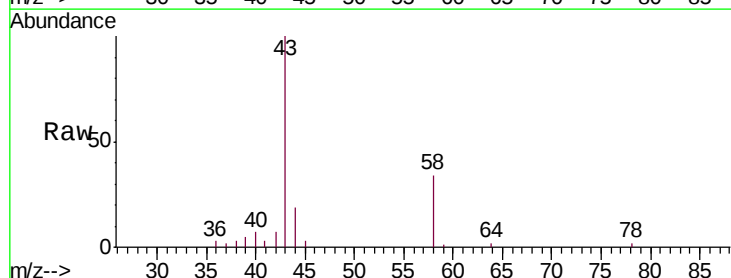
Tgt Ion: 59 Resp: 625
 Ion Ratio Lower Upper
 59 100
 57 3.0 3.9 5.9#

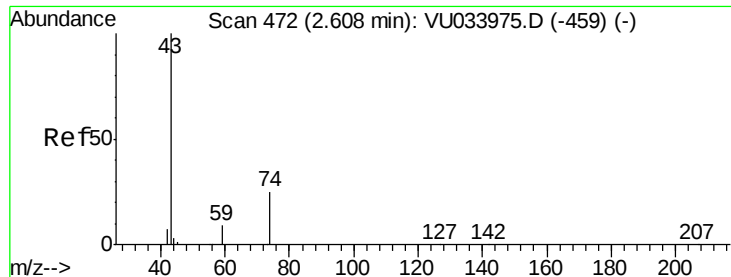


#16

Acetone
 Concen: 5.415 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 12606
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0

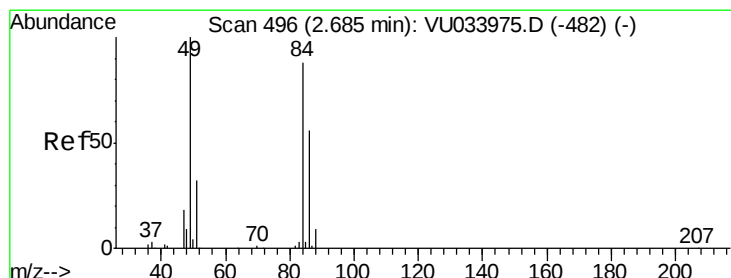
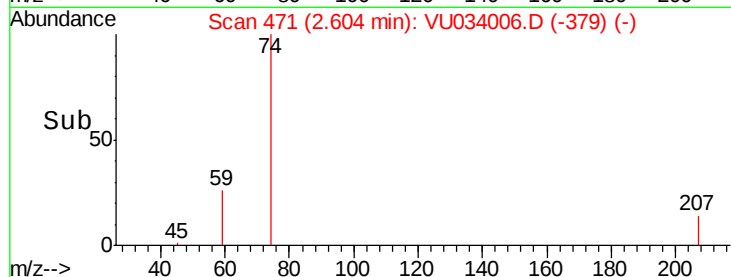
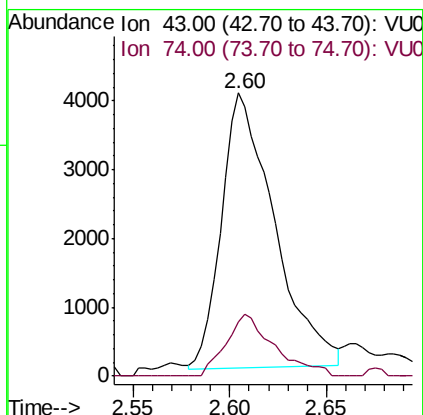
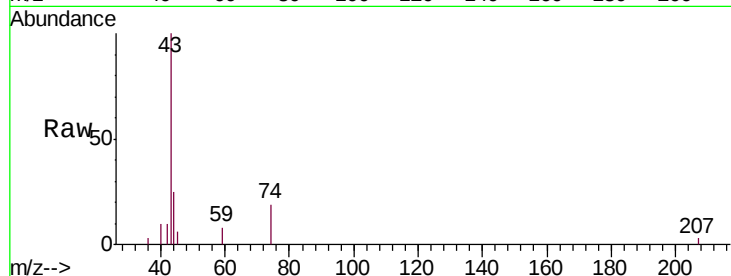




#18
Methyl Acetate
Concen: 1.324 ug/l
RT: 2.60 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

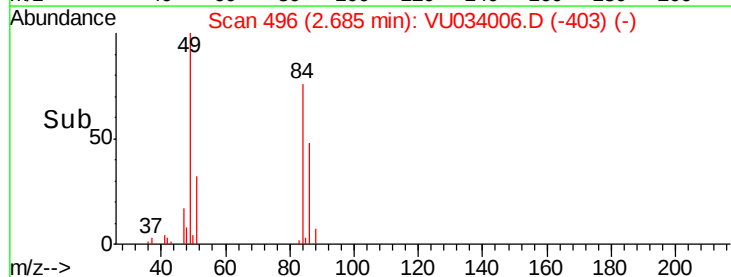
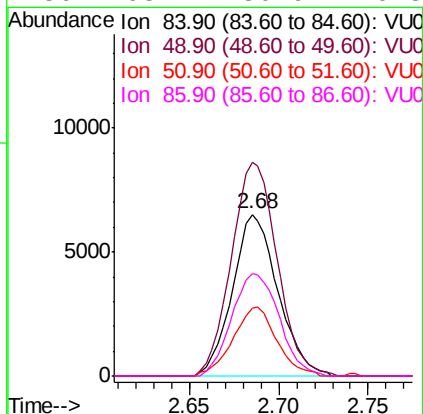
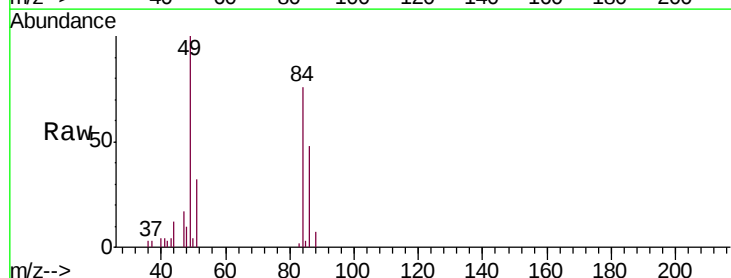
Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

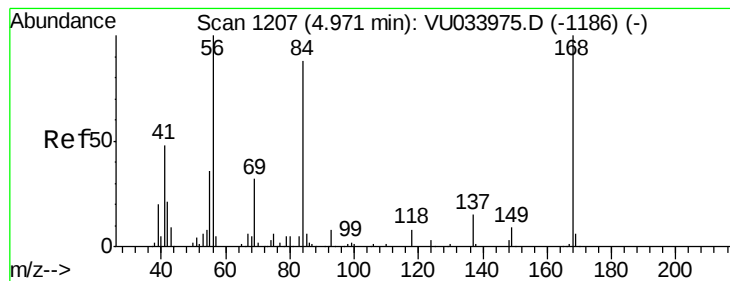
Tgt Ion: 43 Resp: 7594
Ion Ratio Lower Upper
43 100
74 20.6 20.5 30.7



#20
Methylene Chloride
Concen: 2.342 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 84 Resp: 11566
Ion Ratio Lower Upper
84 100
49 132.2 91.3 136.9
51 42.0 28.9 43.3
86 63.2 50.9 76.3





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

T2-S-D-(2.5)

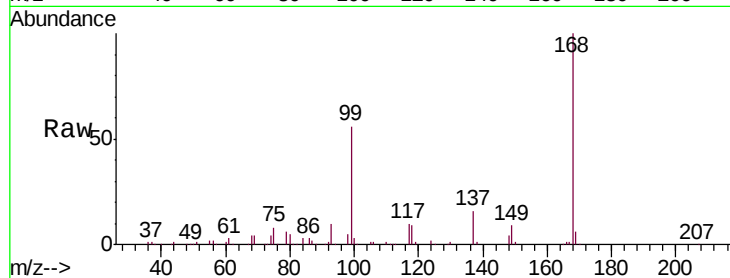
Tgt Ion: 56 Resp: 8961

Ion Ratio Lower Upper

56 100

69 166.6 25.9 38.9#

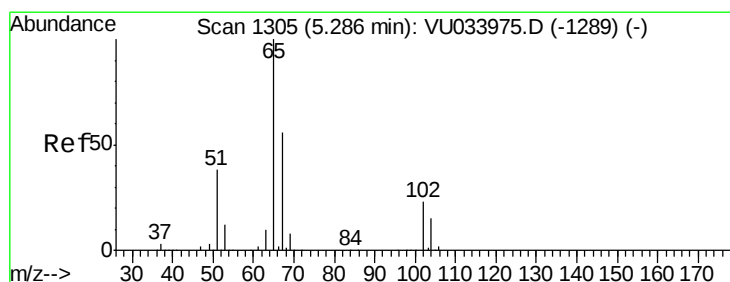
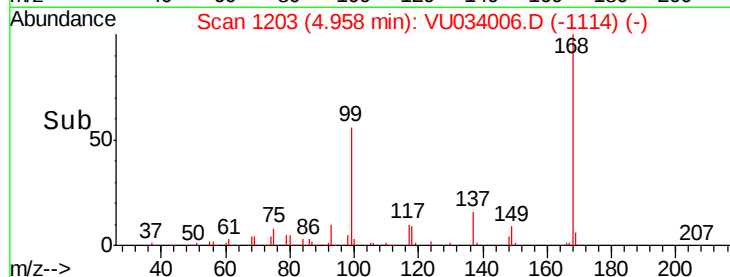
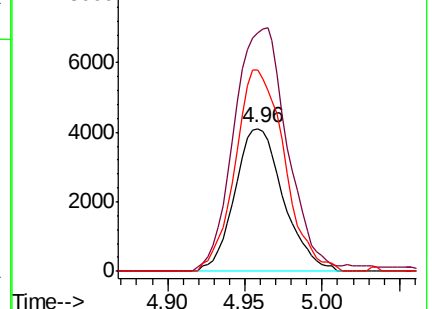
84 141.1 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU033975.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU033975.D (-1186) (-)



#33

1,2-Dichloroethane-d4

Concen: 61.533 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034006.D

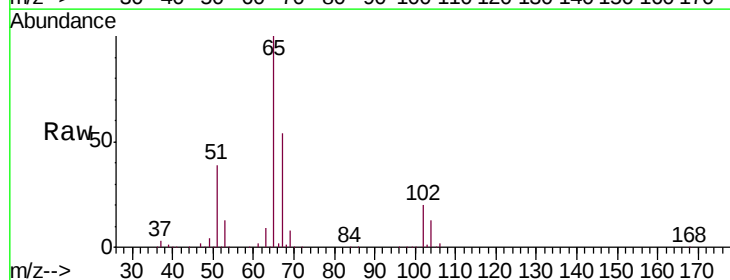
Acq: 28 Aug 2019 05:51

Tgt Ion: 65 Resp: 299249

Ion Ratio Lower Upper

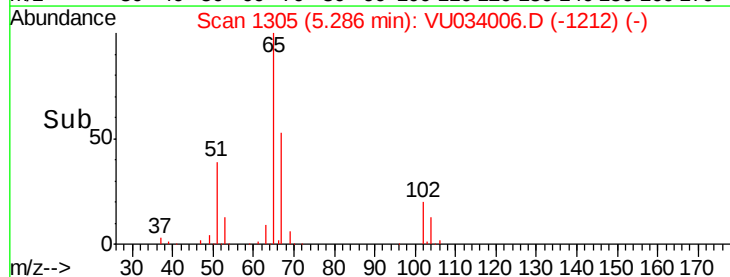
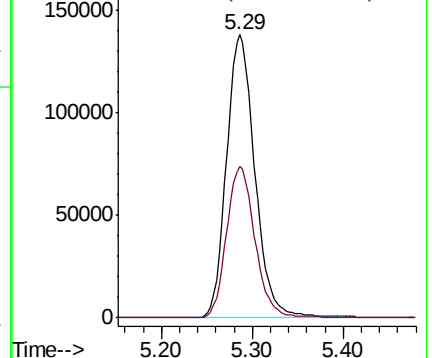
65 100

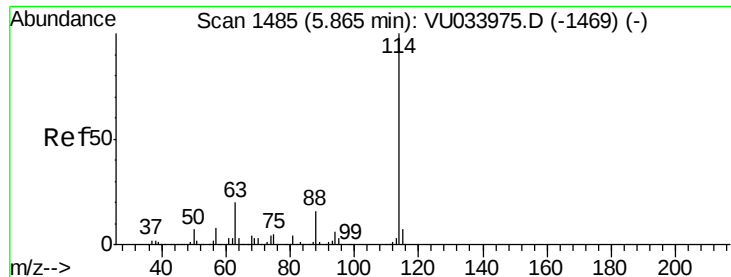
67 53.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU033975.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU033975.D (-1289) (-)

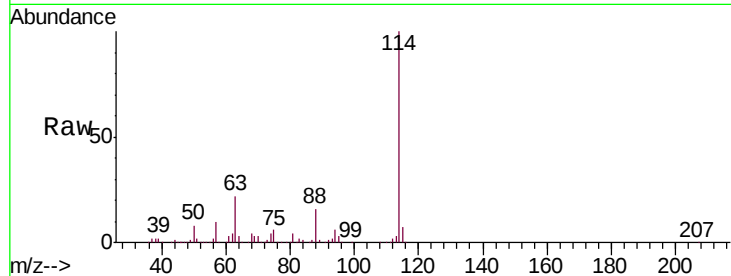




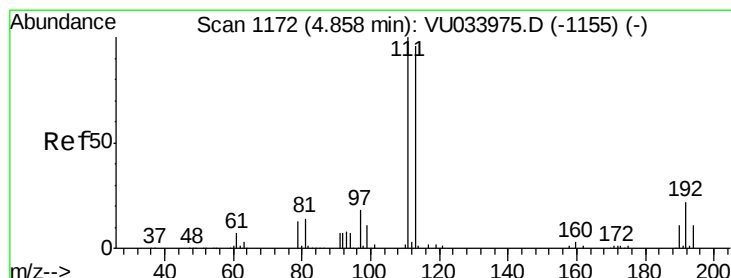
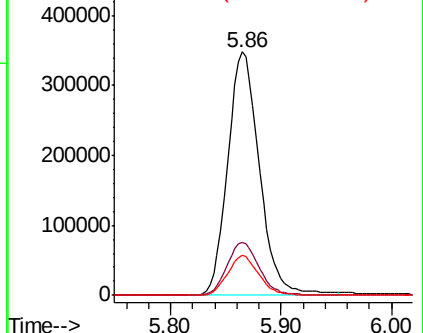
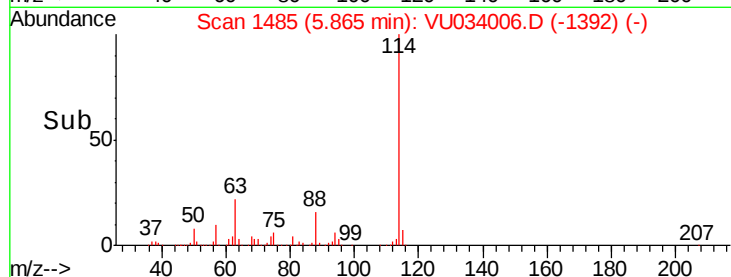
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 T2-S-D-(2.5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	39.0
88	16.2	0.0	31.2

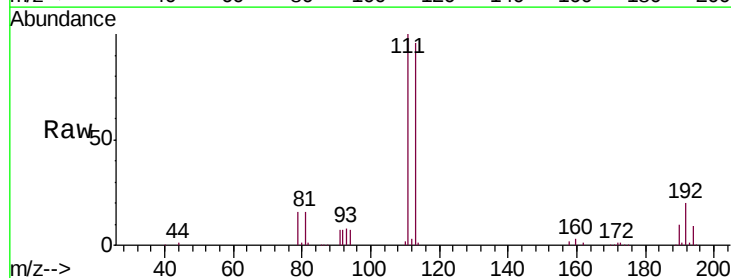


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

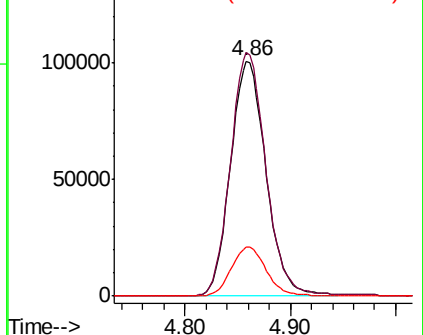
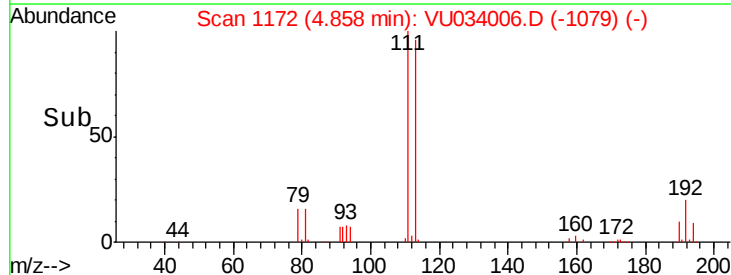


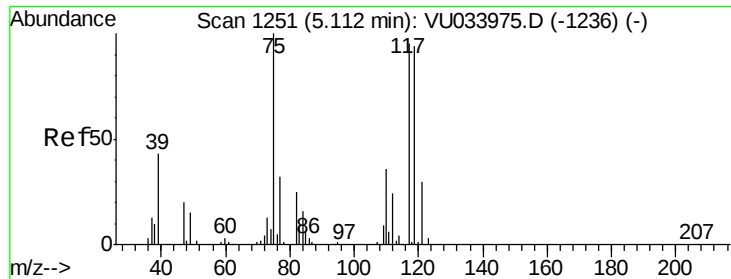
#35
 Dibromofluoromethane
 Concen: 50.376 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	20.5	18.6	27.8



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

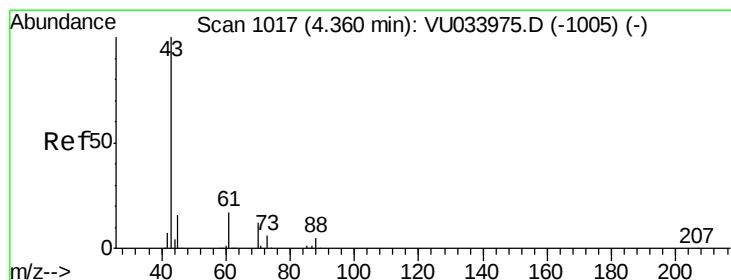
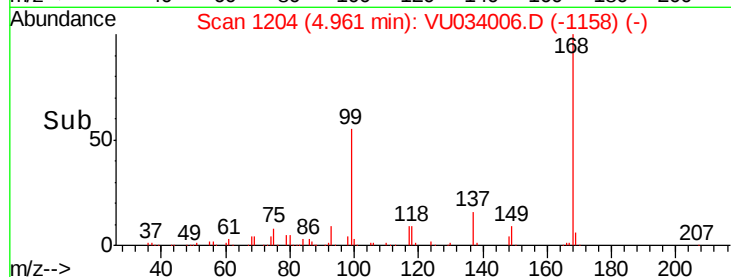
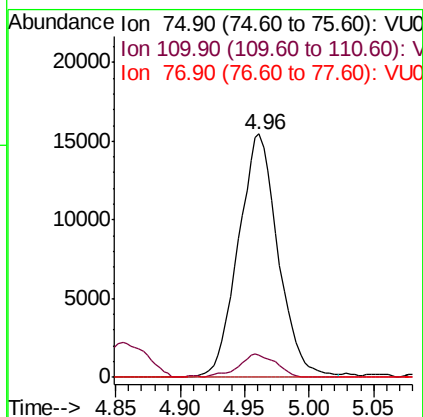
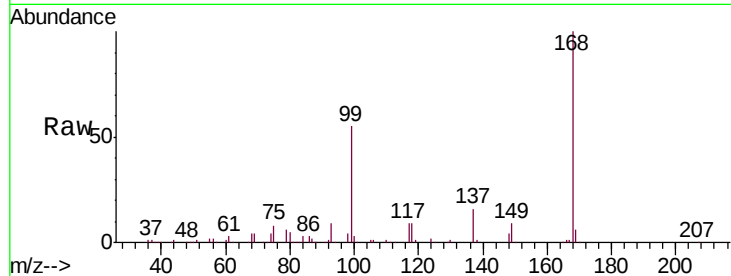




#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

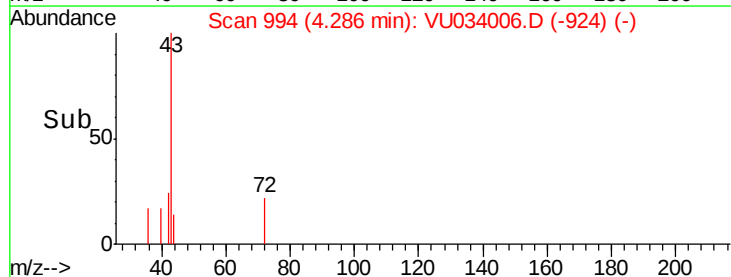
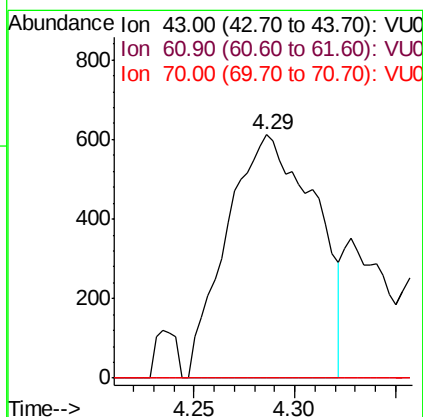
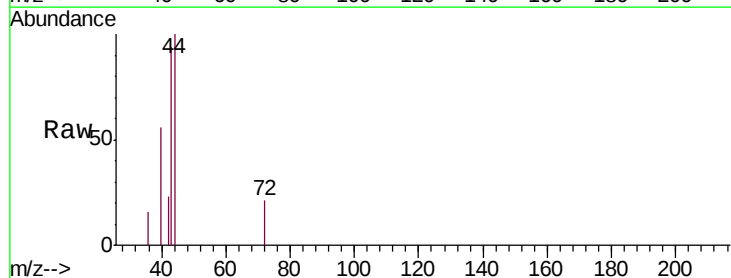
Instrument :
 MSVOA_U
 ClientSampleId :
 T2-S-D-(2.5)

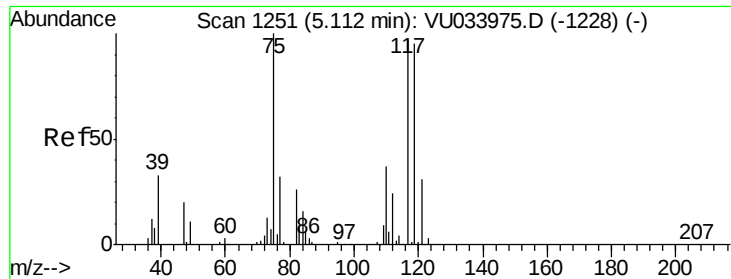
Tgt Ion: 75 Resp: 33243
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 0.292 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. -0.07 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 1867
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.419 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.15 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

T2-S-D-(2.5)

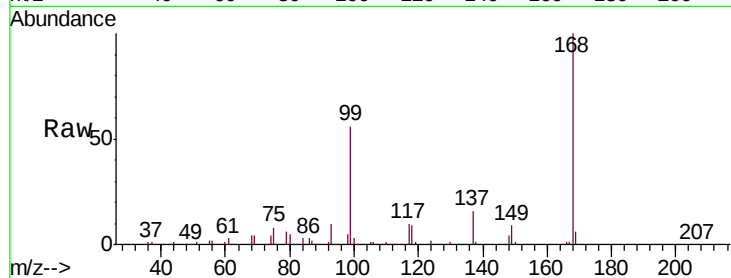
Tgt Ion:117 Resp: 41684

Ion Ratio Lower Upper

117 100

119 5.4 78.4 117.6#

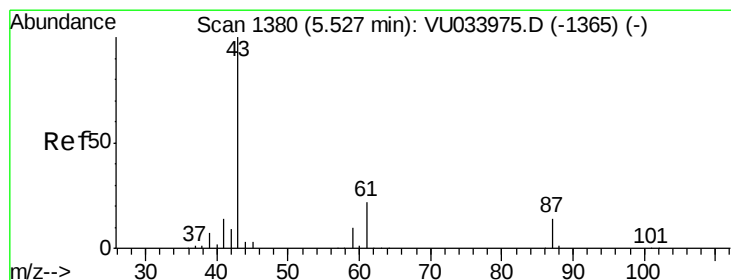
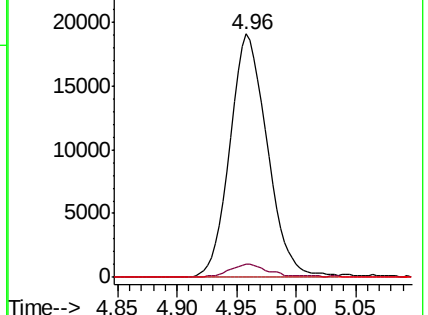
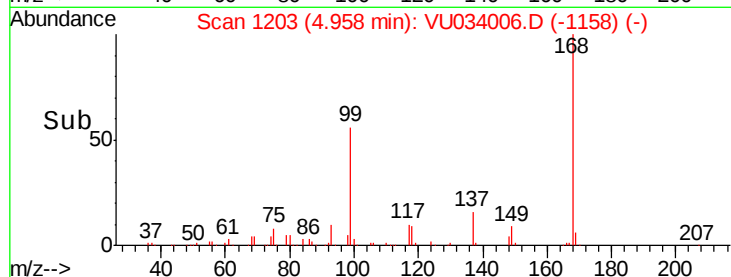
121 0.0 25.4 38.2#



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



#43

Isopropyl Acetate

Concen: 8.936 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

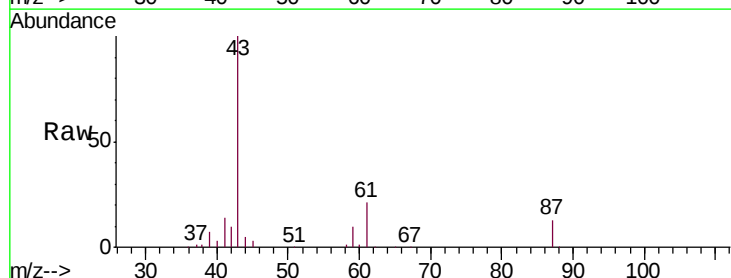
Tgt Ion: 43 Resp: 87573

Ion Ratio Lower Upper

43 100

61 19.4 17.8 26.8

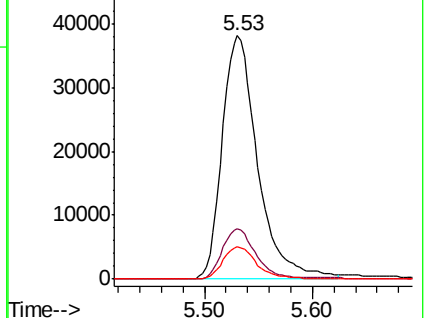
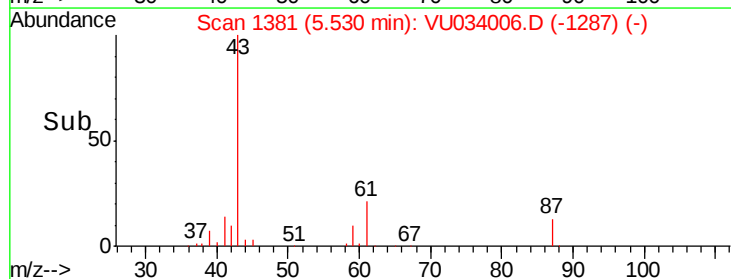
87 12.5 11.9 17.9

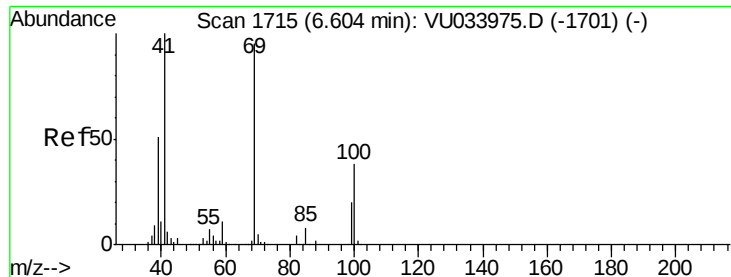


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

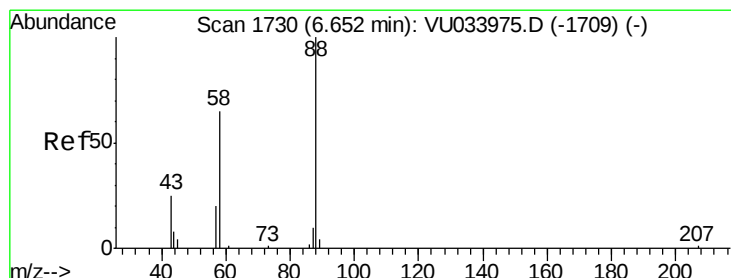
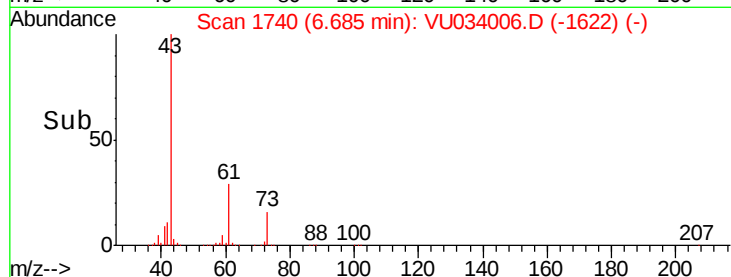
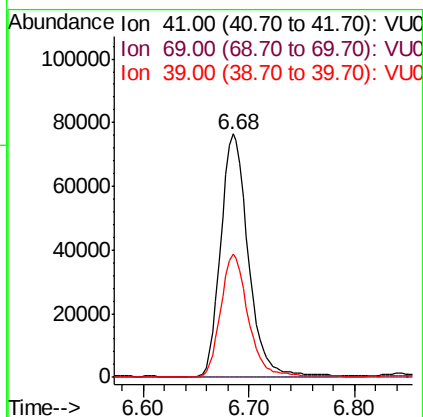
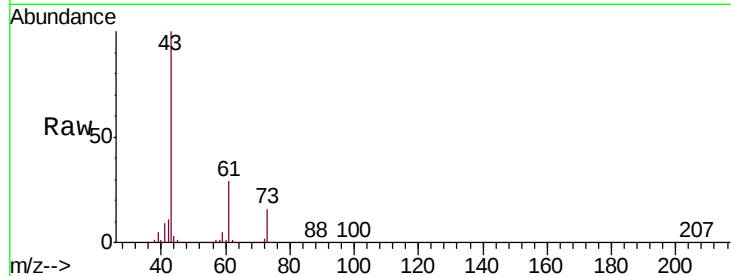




#48
Methyl methacrylate
Concen: 29.655 ug/l
RT: 6.68 min Scan# 1740
Delta R.T. 0.08 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

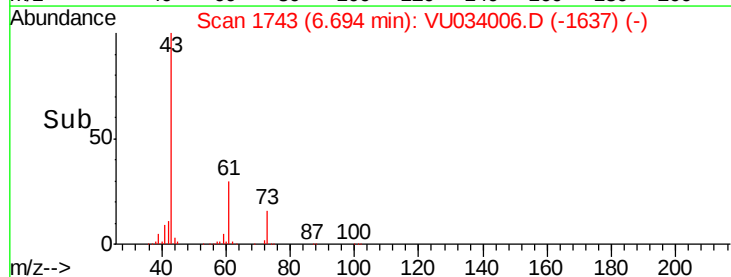
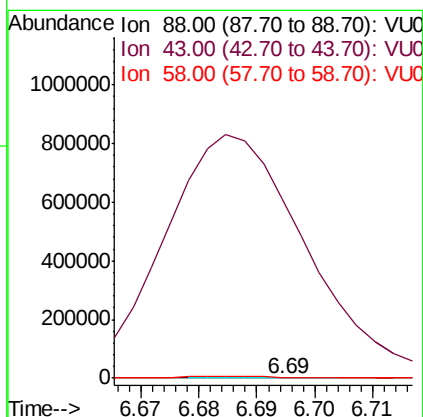
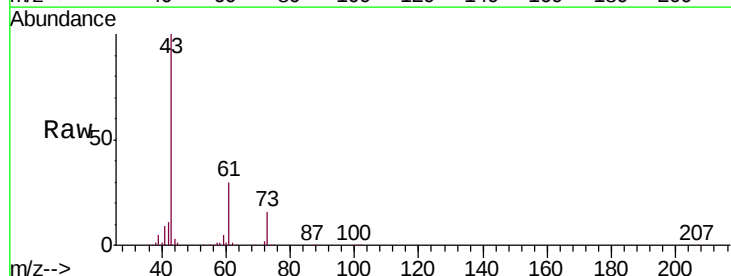
Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

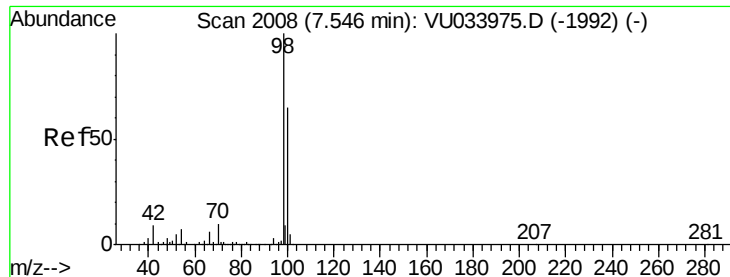
Tgt Ion: 41 Resp: 138182
Ion Ratio Lower Upper
41 100
69 0.2 76.3 114.5#
39 50.8 41.1 61.7



#49
1,4-Dioxane
Concen: 1.110 ug/l
RT: 6.69 min Scan# 1743
Delta R.T. 0.04 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 1044958.5 0.0 0.0#
58 5977.5 56.6 85.0#

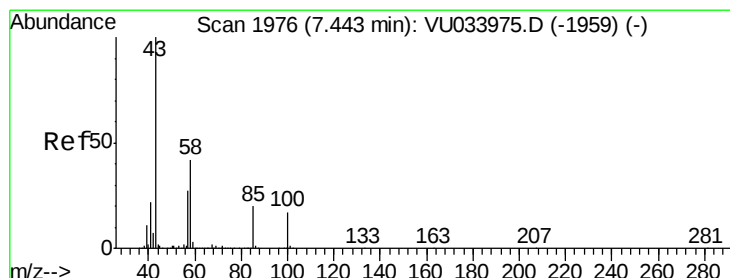
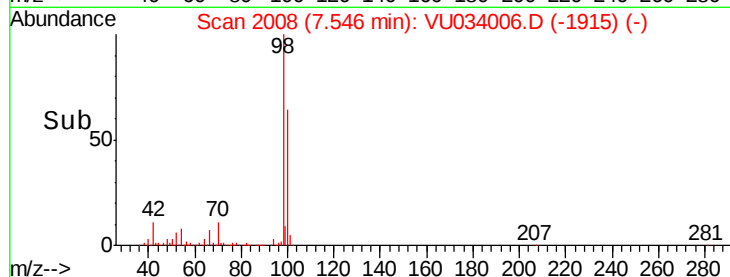
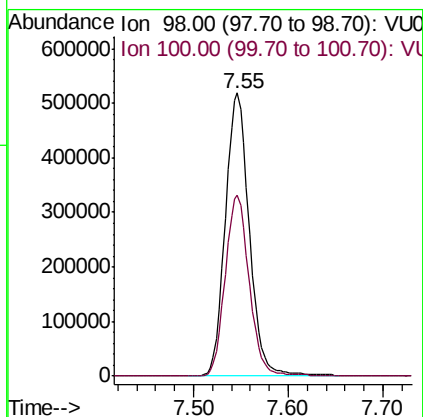
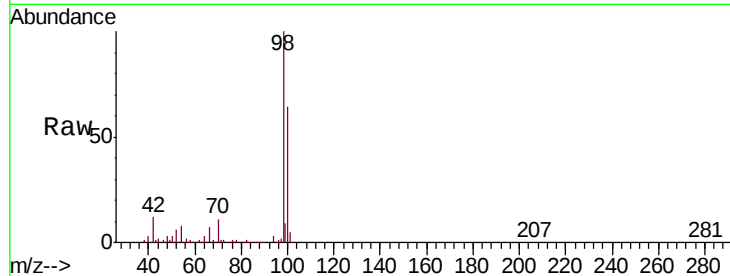




#50
Toluene-d8
Concen: 53.033 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

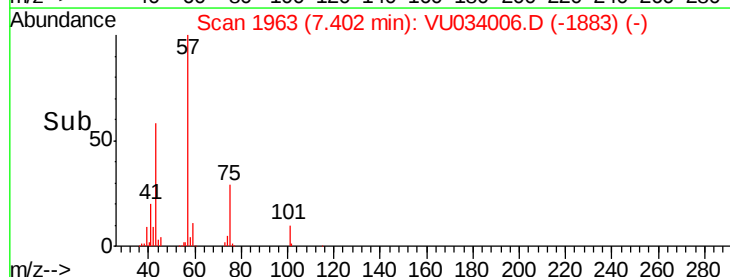
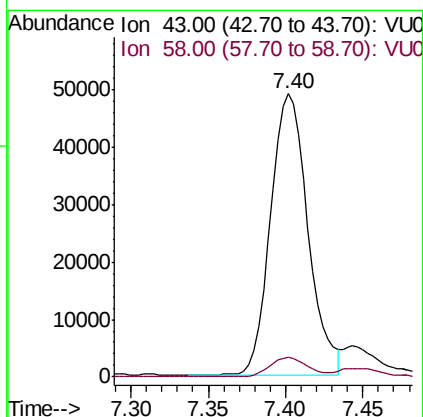
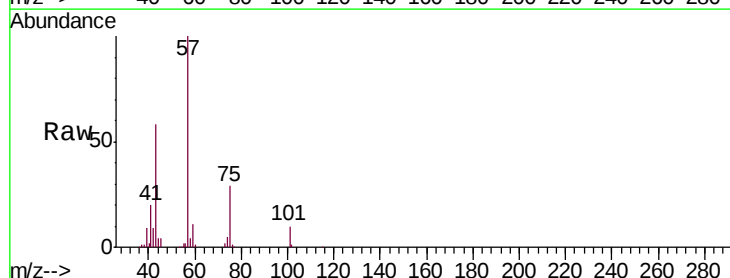
Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

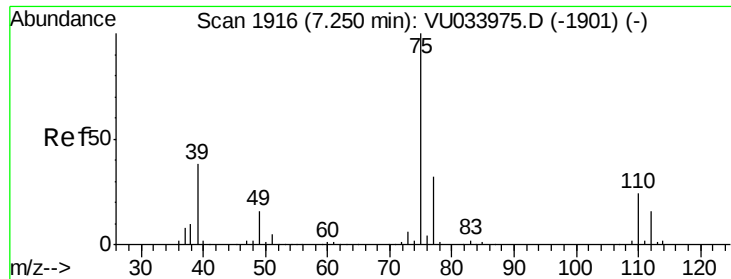
Tgt Ion: 98 Resp: 914852
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 12.205 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 82474
Ion Ratio Lower Upper
43 100
58 7.1 33.6 50.4#

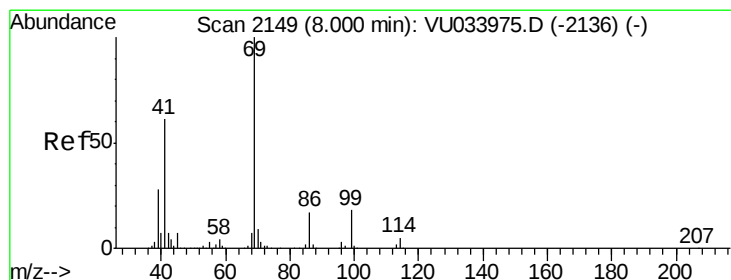
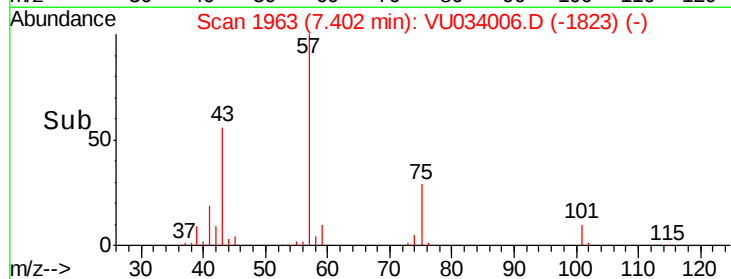
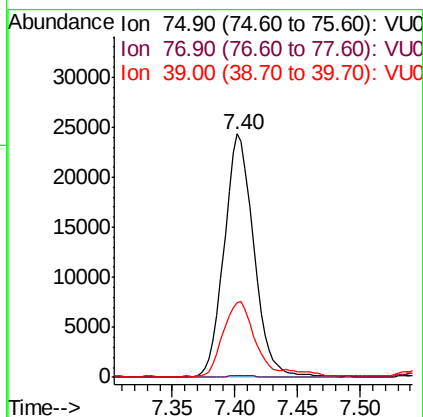
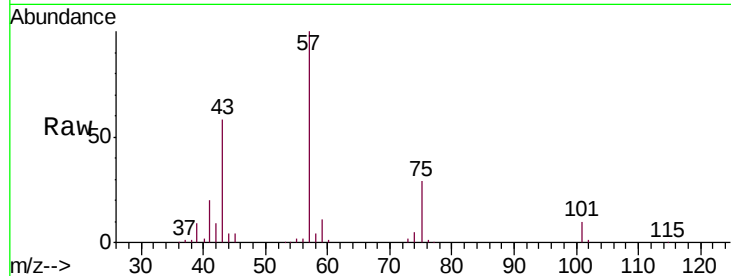




#54
 cis-1,3-Dichloropropene
 Concen: 5.097 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

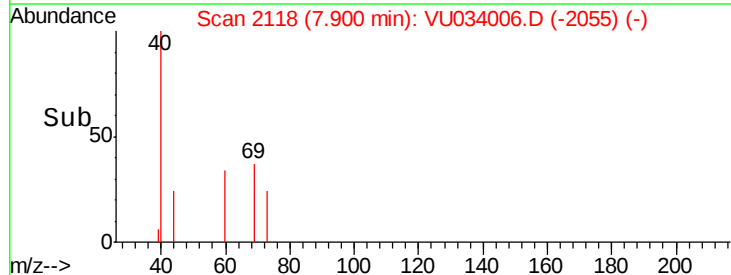
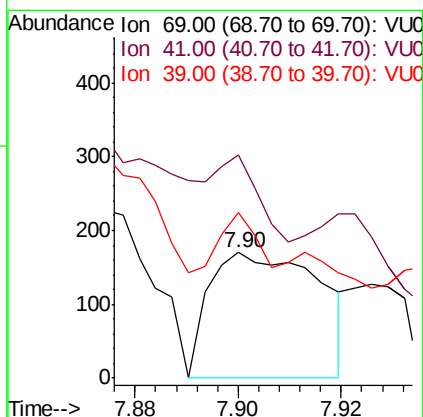
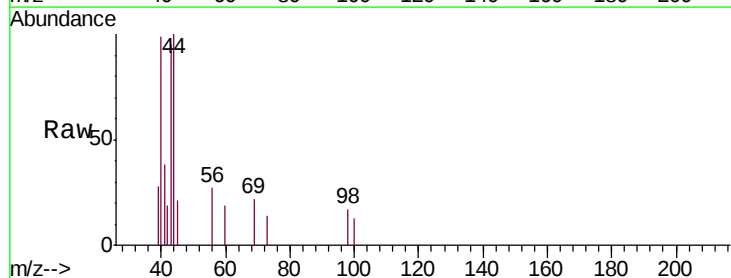
Instrument :
 MSVOA_U
 ClientSampleId :
 T2-S-D-(2.5)

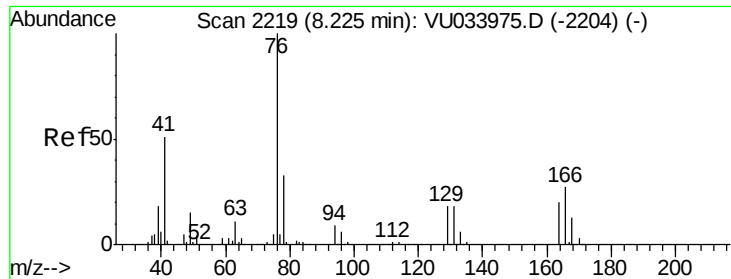
Tgt Ion: 75 Resp: 40004
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 30.2 30.7 46.1#



#56
 Ethyl methacrylate
 Concen: 2.545 ug/l
 RT: 7.90 min Scan# 2118
 Delta R.T. -0.10 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Tgt Ion: 69 Resp: 251
 Ion Ratio Lower Upper
 69 100
 41 0.0 48.6 72.8#
 39 0.0 22.4 33.6#

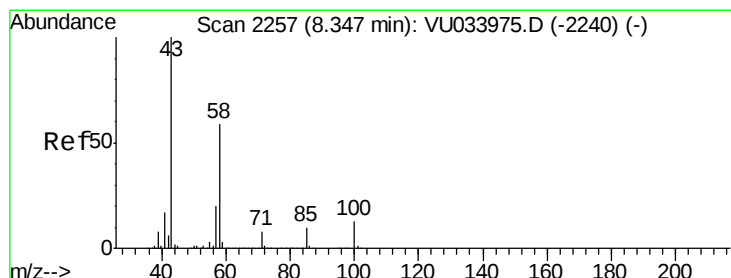
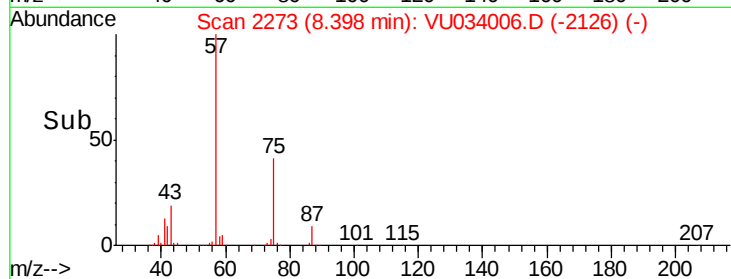
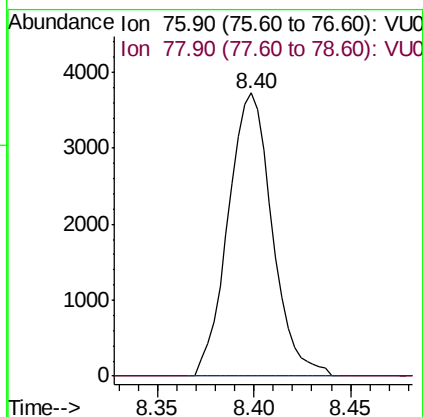
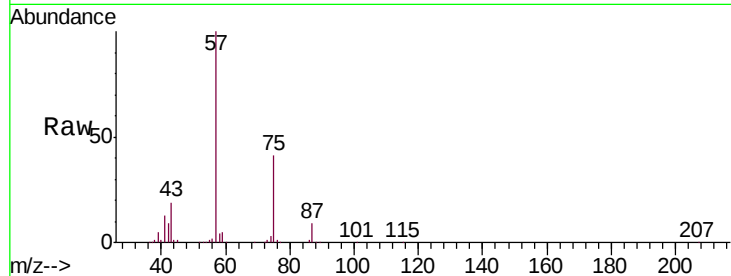




#57
 1,3-Dichloropropane
 Concen: 0.717 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.17 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

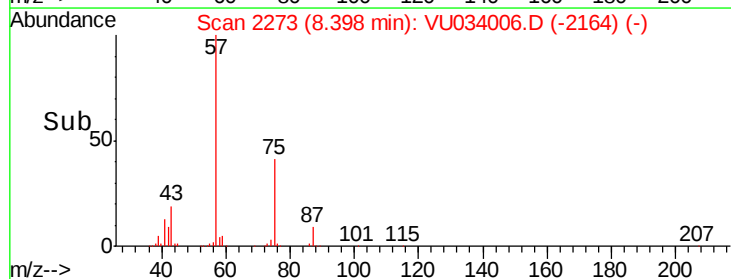
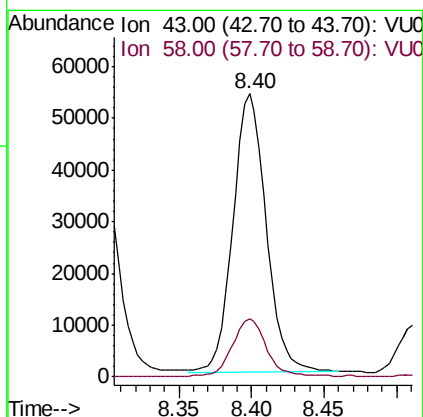
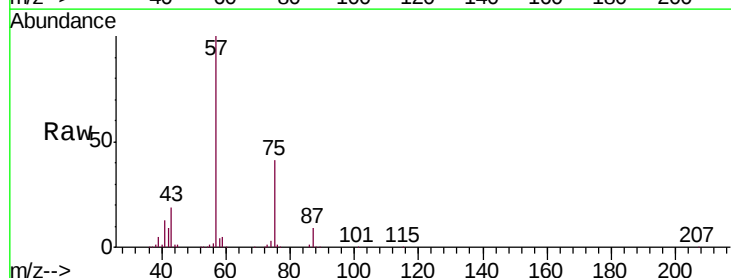
Instrument :
 MSVOA_U
 ClientSampleId :
 T2-S-D-(2.5)

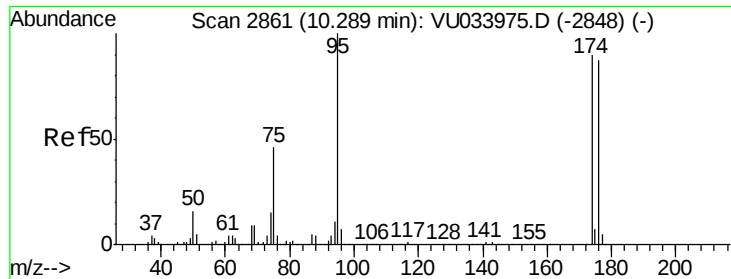
Tgt Ion: 76 Resp: 5900
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 16.473 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034006.D
 Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 85557
 Ion Ratio Lower Upper
 43 100
 58 22.0 29.5 88.6#

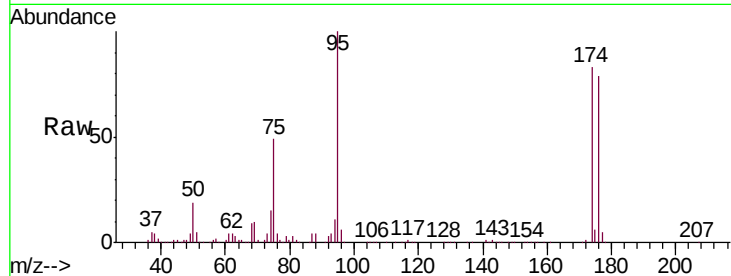




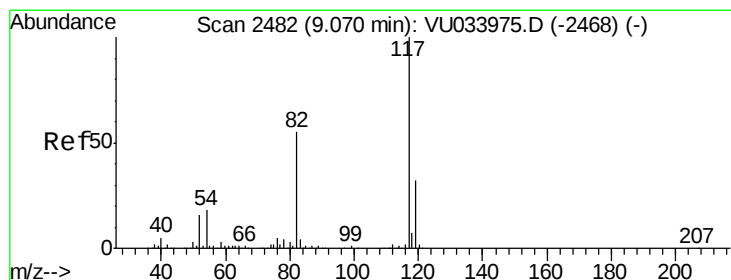
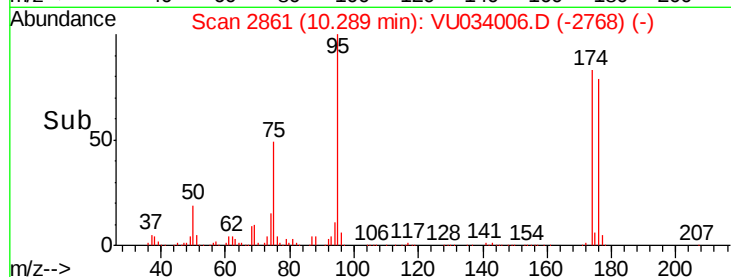
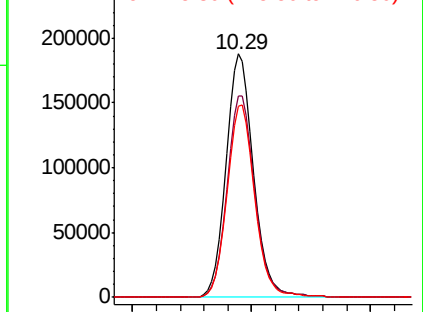
#62
4-Bromofluorobenzene
Concen: 45.334 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

Instrument :
MSVOA_U
ClientSampleId :
T2-S-D-(2.5)

Tgt Ion: 95 Resp: 299989
Ion Ratio Lower Upper
95 100
174 84.0 0.0 183.8
176 79.7 0.0 176.4

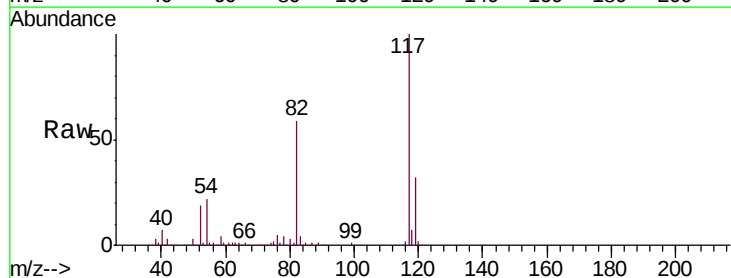


Abundance Ion 94.90 (94.60 to 95.60): VU033975.D (-2848) (-)
Ion 173.80 (173.50 to 174.50): VU033975.D (-2848) (-)
Ion 175.80 (175.50 to 176.50): VU033975.D (-2848) (-)

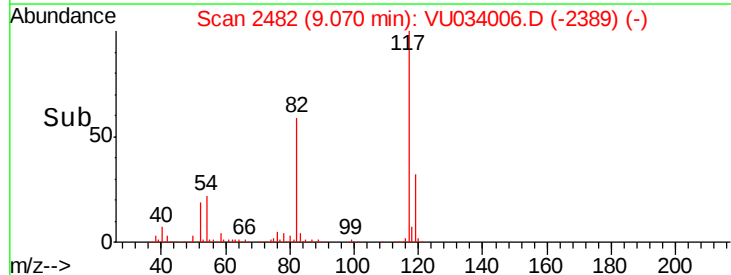
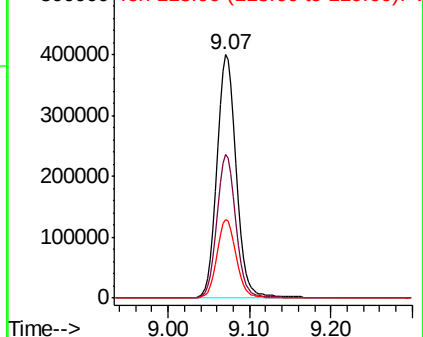


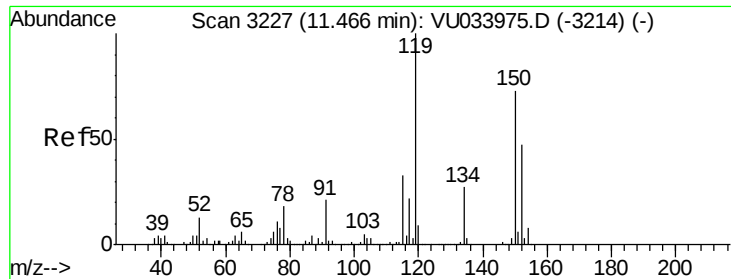
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034006.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 117 Resp: 677880
Ion Ratio Lower Upper
117 100
82 59.0 43.8 65.8
119 32.5 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU033975.D (-2468) (-)
Ion 82.00 (81.70 to 82.70): VU033975.D (-2468) (-)
Ion 118.90 (118.60 to 119.60): VU033975.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

T2-S-D(2.5)

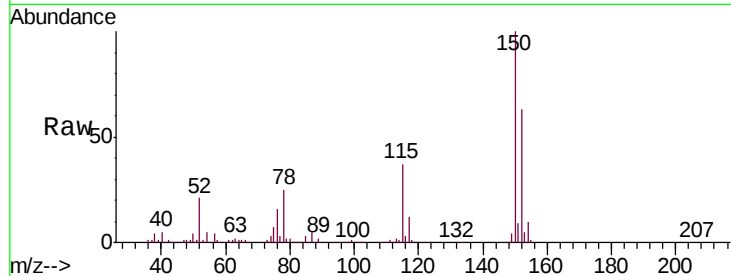
Tgt Ion:152 Resp: 296264

Ion Ratio Lower Upper

152 100

115 58.5 38.6 115.7

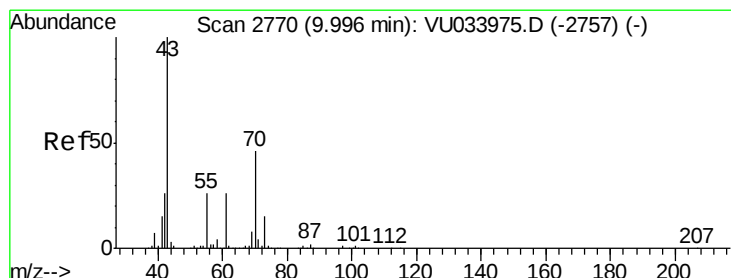
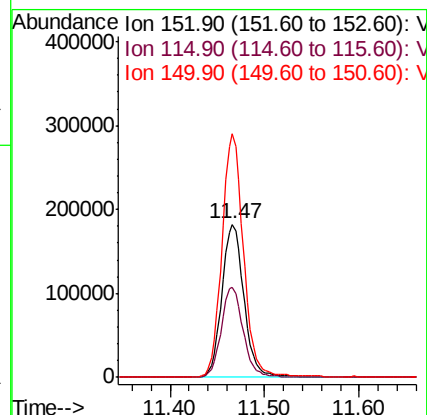
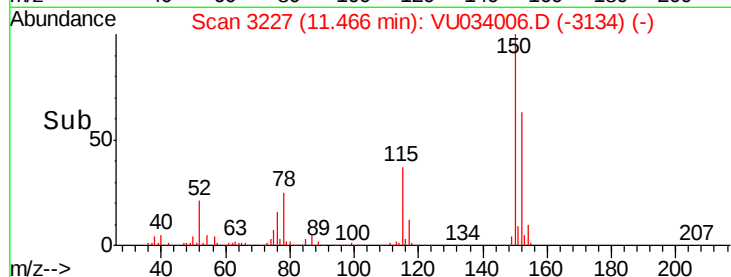
150 155.6 0.0 343.8



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



#74

N-ethyl acetate

Concen: 0.305 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.08 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 2184

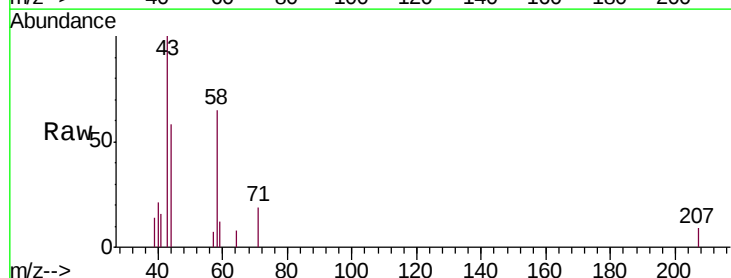
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.0 31.4#

61 0.0 20.9 31.3#

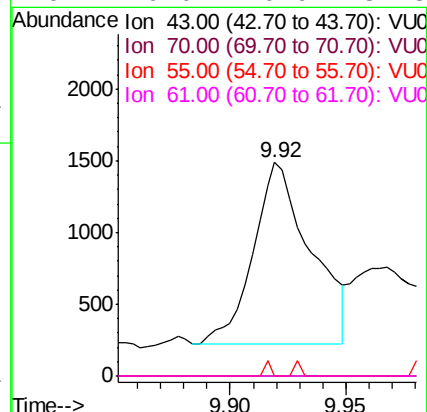
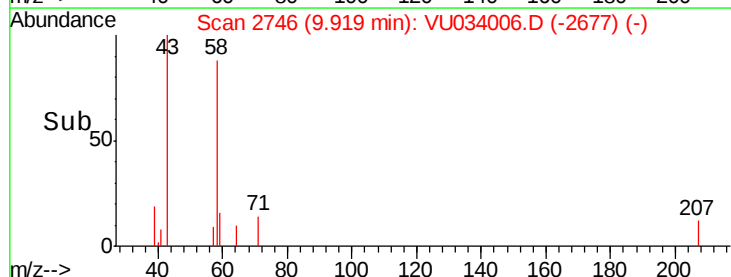


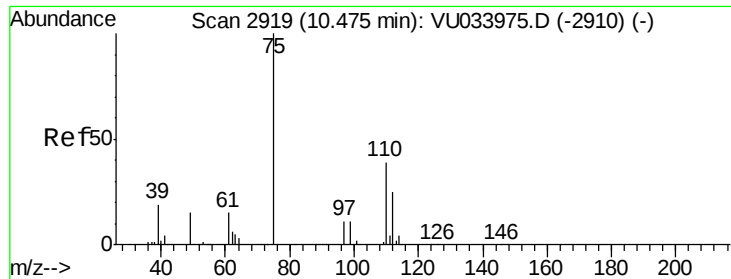
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 24.929 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

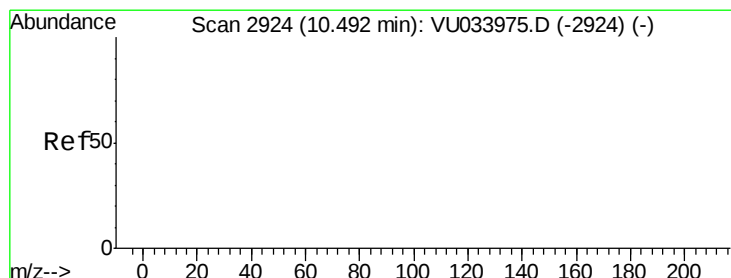
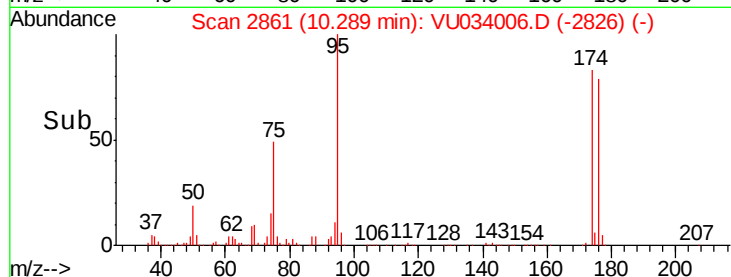
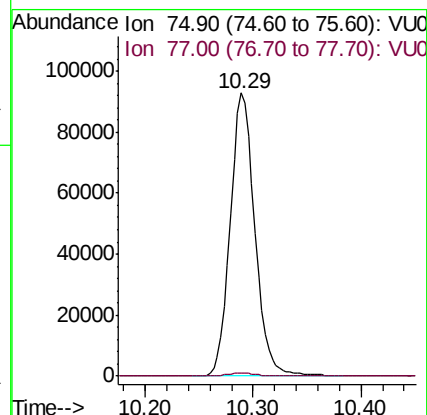
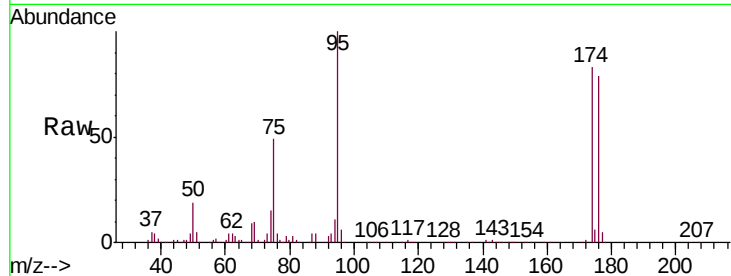
T2-S-D-(2.5)

Tgt Ion: 75 Resp: 147159

Ion Ratio Lower Upper

75 100

77 1.2 21.0 63.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.403 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034006.D

Acq: 28 Aug 2019 05:51

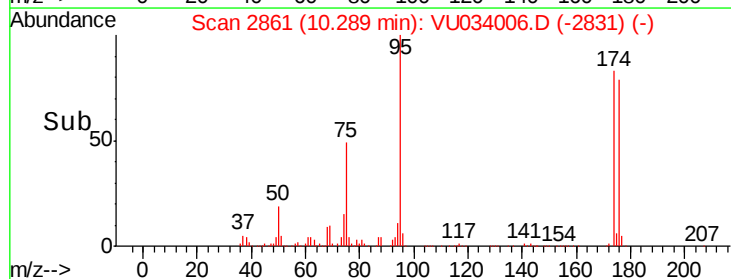
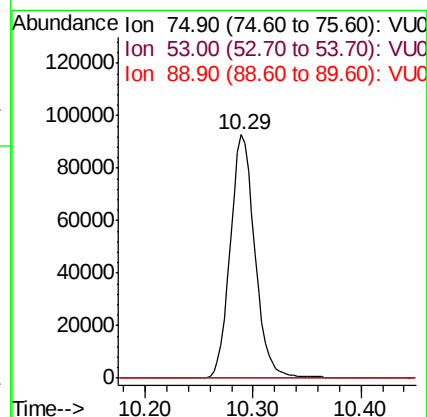
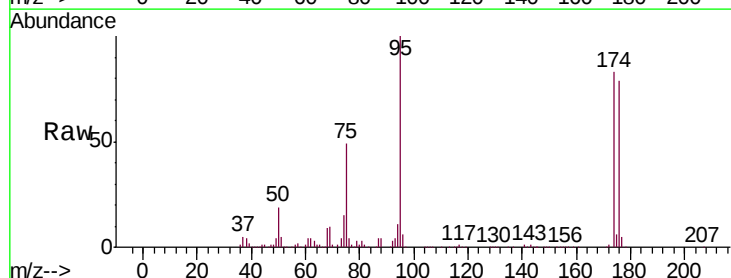
Tgt Ion: 75 Resp: 147159

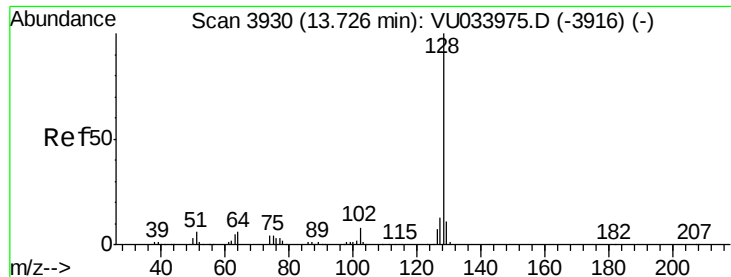
Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 2.085 ug/l

RT: 13.80 min Scan# 3953

Delta R.T. 0.07 min

Lab File: VU034006.D

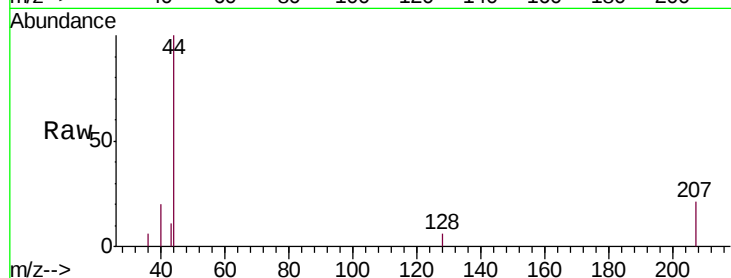
Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

T2-S-D-(2.5)



Tgt Ion:	128	Resp:	39
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.5	12.7#

