

Data File : VU033992.D
Acq On : 27 Aug 2019 23:05
Operator : JC/SP
Sample : K4516-29
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T1-S-E-(2.5)

Quant Time: Aug 28 04:09:09 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	438111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	704661	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	667089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	287347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	292798	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
35) Dibromofluoromethane	4.86	113	238022	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	7.55	98	904744	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	10.29	95	305135	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

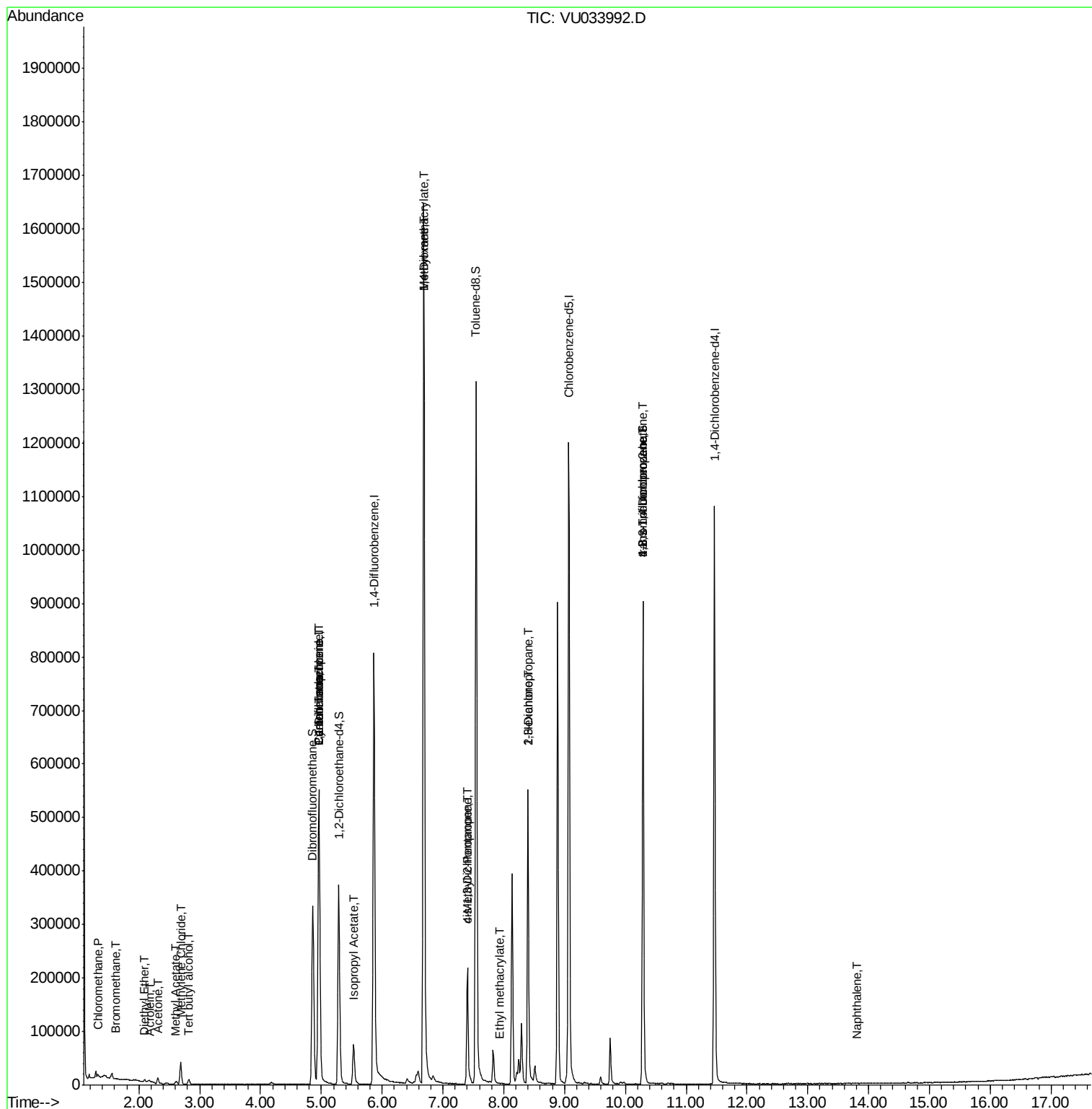
						Qvalue
3) Chloromethane	1.32	50	3471	1.626	ug/l	93
5) Bromomethane	1.62	94	822	0.307	ug/l	85
8) Diethyl Ether	2.09	74	699	0.318	ug/l	66
11) Tert butyl alcohol	2.82	59	5129	4.068	ug/l #	85
13) Acrolein	2.19	56	100	0.250	ug/l #	1
16) Acetone	2.31	43	11281	4.842	ug/l	98
18) Methyl Acetate	2.60	43	8637	1.505	ug/l	90
20) Methylene Chloride	2.69	84	17656	3.572	ug/l	91
31) Cyclohexane	4.96	56	8554	1.192	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33601	5.206	ug/l #	49
38) Carbon Tetrachloride	4.96	117	41071	6.244	ug/l #	16
43) Isopropyl Acetate	5.53	43	87689	8.835	ug/l	96
48) Methyl methacrylate	6.68	41	146015	30.941	ug/l #	35
49) 1,4-Dioxane	6.69	88	190	1.467	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	77779	11.365	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	38530	4.847	ug/l #	65
56) Ethyl methacrylate	7.94	69	184	2.536	ug/l #	29
57) 1,3-Dichloropropane	8.40	76	5584	0.670	ug/l #	43
59) 2-Hexanone	8.40	43	73580	13.988	ug/l #	51
76) 1,2,3-Trichloropropane	10.29	75	151981	26.545	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	151981	76.031	ug/l #	100
95) Naphthalene	13.81	128	46	2.085	ug/l #	70

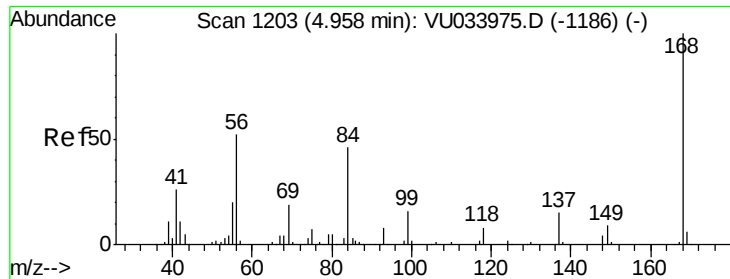
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 28 02:42:03 2019
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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: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

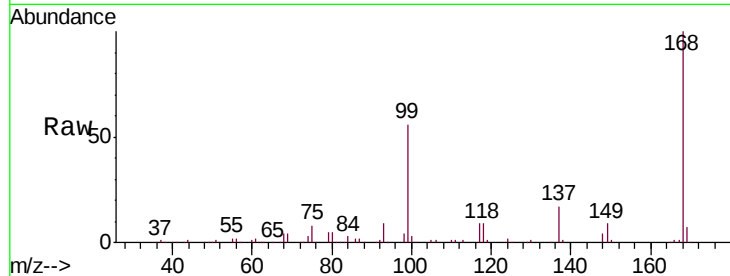
T1-S-E-(2.5)

Tgt Ion:168 Resp: 438111

Ion Ratio Lower Upper

168 100

99 55.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033992.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU033992.D (-1110) (-)

4.96

200000

150000

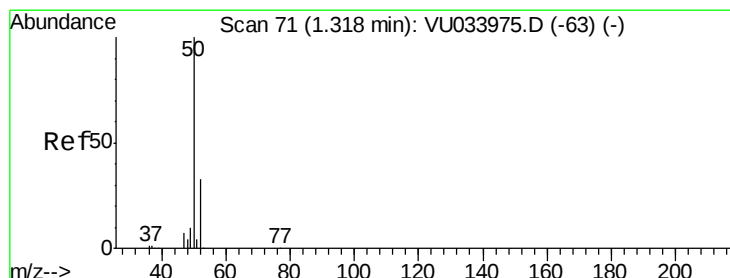
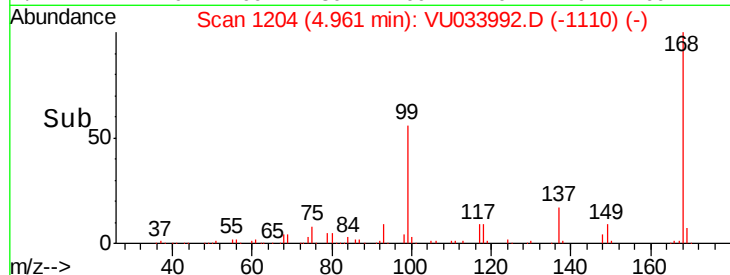
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 1.626 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033992.D

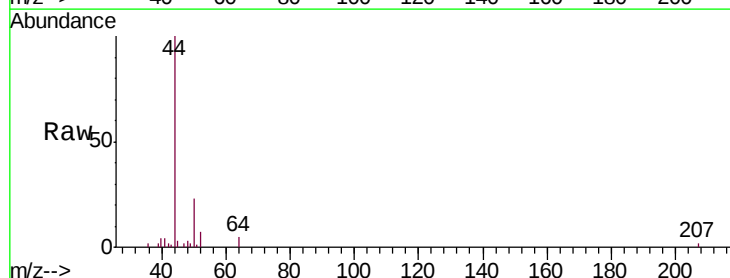
Acq: 27 Aug 2019 23:05

Tgt Ion: 50 Resp: 3471

Ion Ratio Lower Upper

50 100

52 29.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033992.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033992.D (-1) (-)

1.32

3000

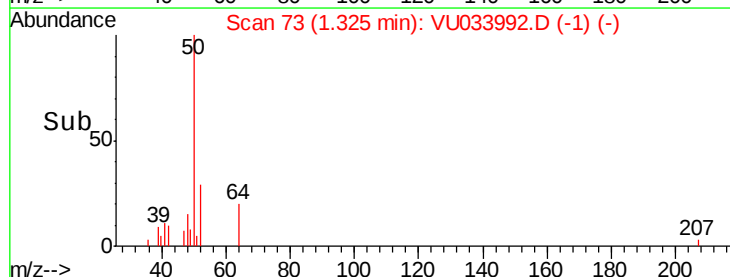
2000

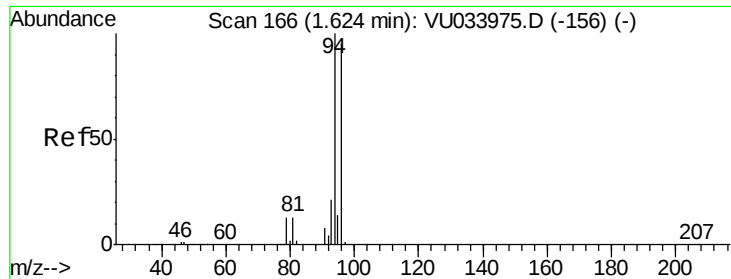
1000

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampled :

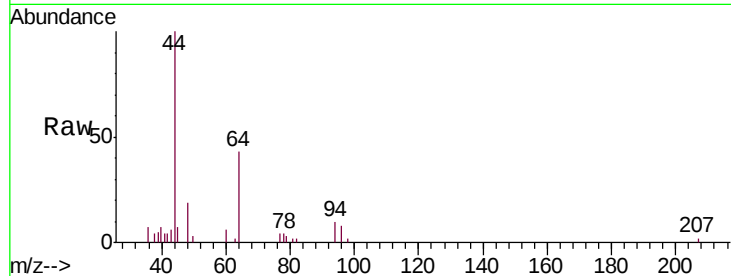
T1-S-E-(2.5)

Tgt Ion: 94 Resp: 822

Ion Ratio Lower Upper

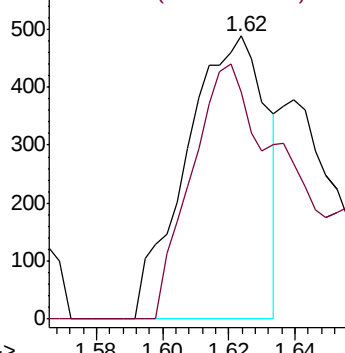
94 100

96 80.3 76.3 114.5

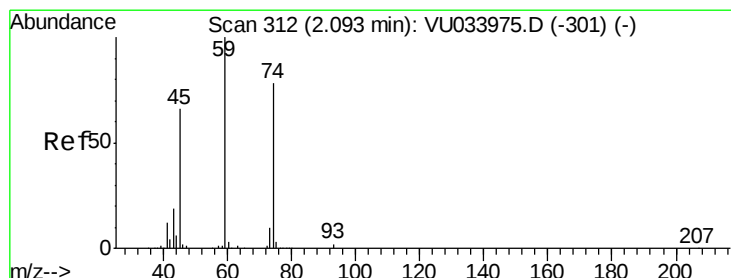
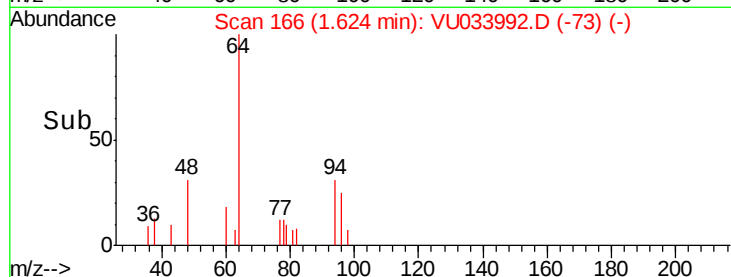


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#8

Diethyl Ether

Concen: 0.318 ug/l

RT: 2.09 min Scan# 312

Delta R.T. -0.00 min

Lab File: VU033992.D

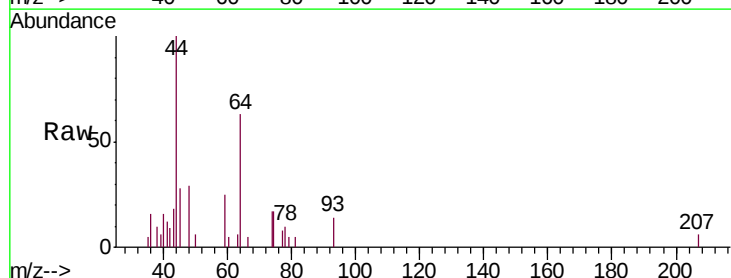
Acq: 27 Aug 2019 23:05

Tgt Ion: 74 Resp: 699

Ion Ratio Lower Upper

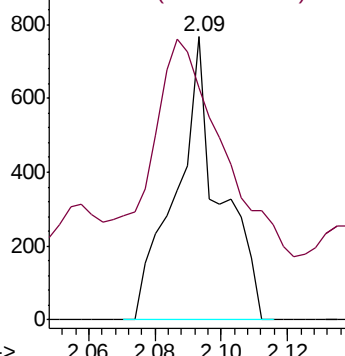
74 100

45 116.5 42.8 128.4

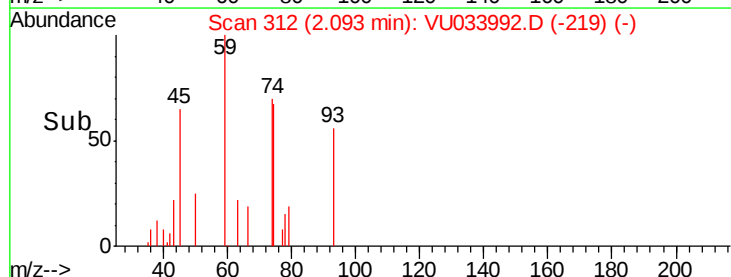


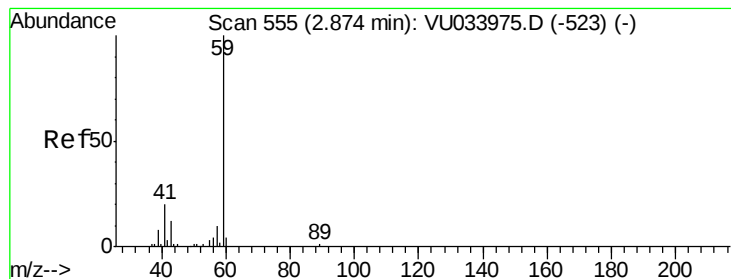
Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



Time-->



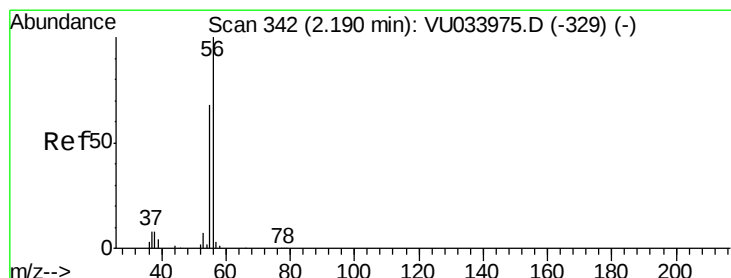
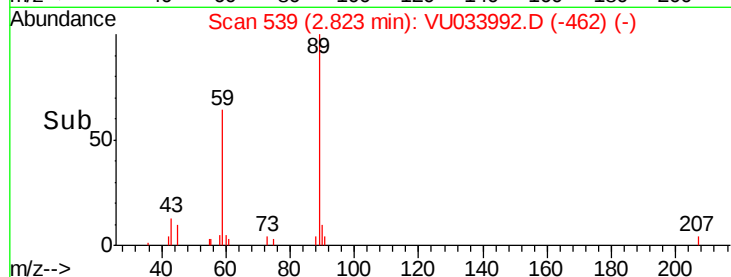
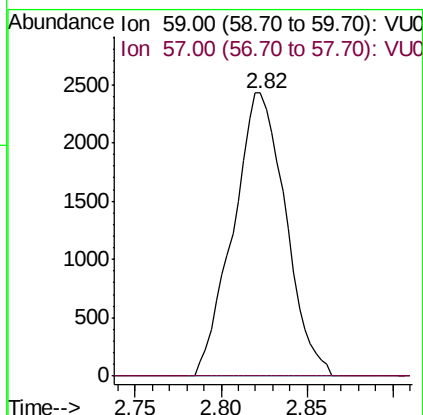
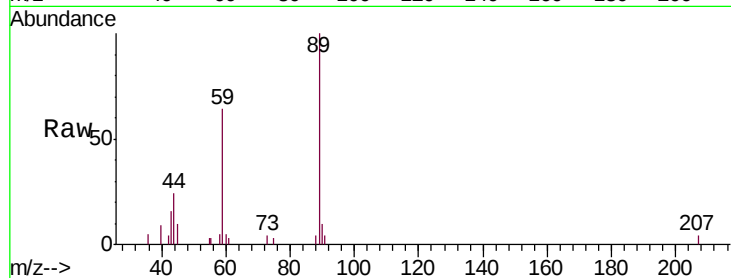


#11

Tert butyl alcohol
 Concen: 4.068 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. -0.05 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-E-(2.5)

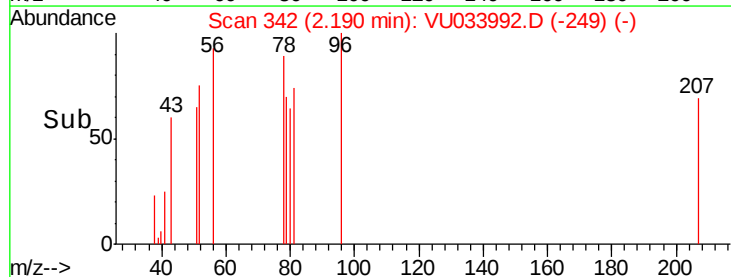
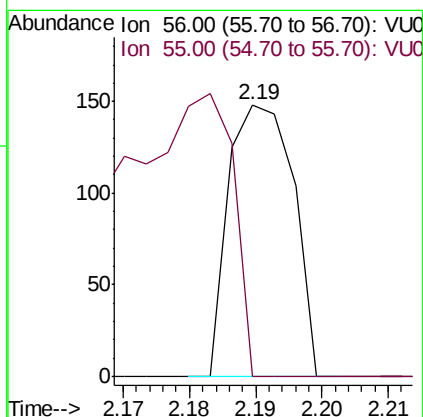
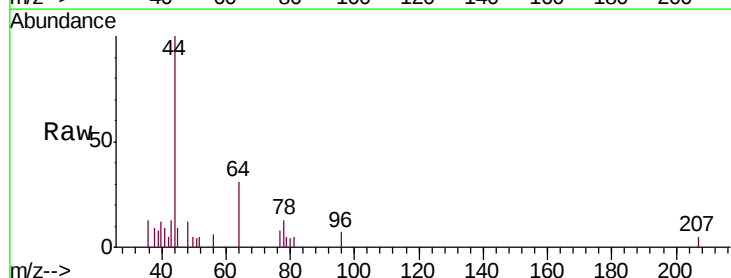
Tgt Ion: 59 Resp: 5129
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.9 5.9#

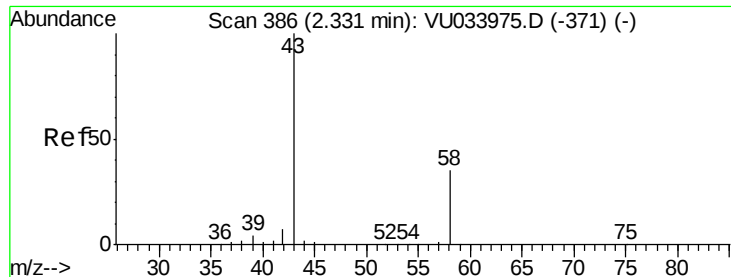


#13

Acrolein
 Concen: 0.250 ug/l
 RT: 2.19 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Tgt Ion: 56 Resp: 100
 Ion Ratio Lower Upper
 56 100
 55 172.0 58.0 87.0#





#16

Acetone

Concen: 4.842 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

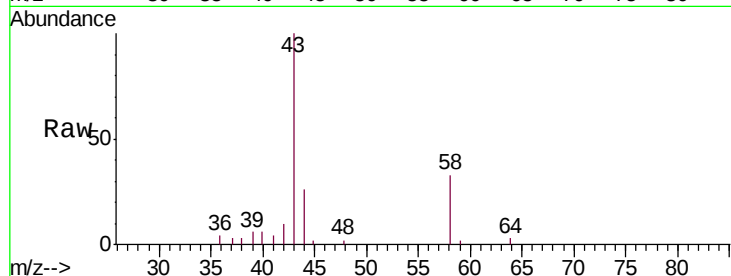
T1-S-E-(2.5)

Tgt Ion: 43 Resp: 11281

Ion Ratio Lower Upper

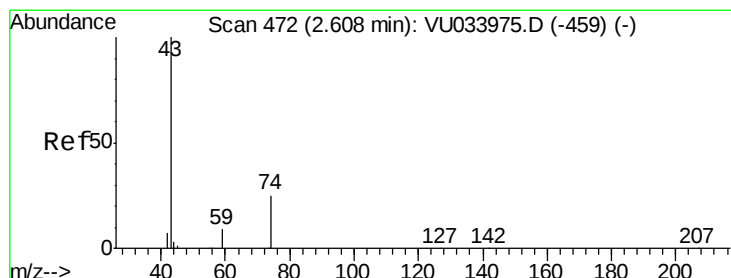
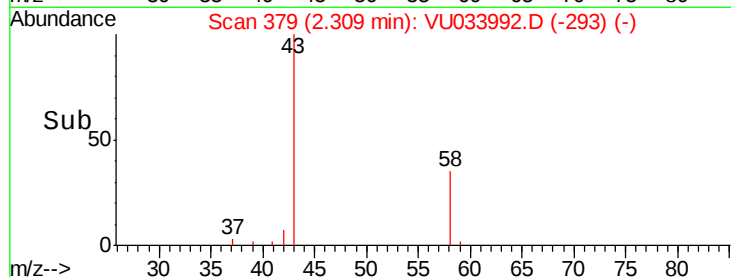
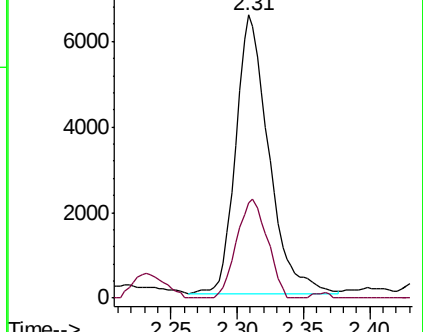
43 100

58 34.0 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VU033992.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU033992.D (-379) (-)



#18

Methyl Acetate

Concen: 1.505 ug/l

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU033992.D

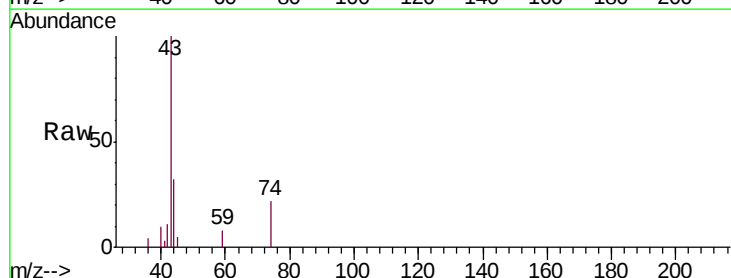
Acq: 27 Aug 2019 23:05

Tgt Ion: 43 Resp: 8637

Ion Ratio Lower Upper

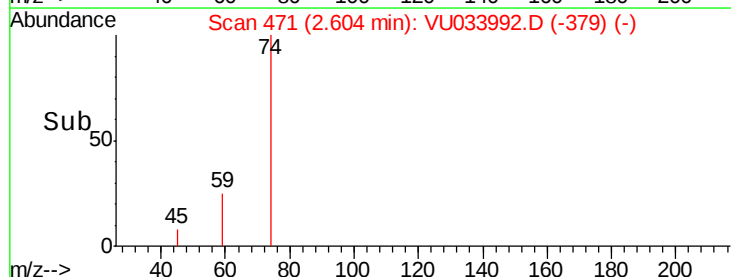
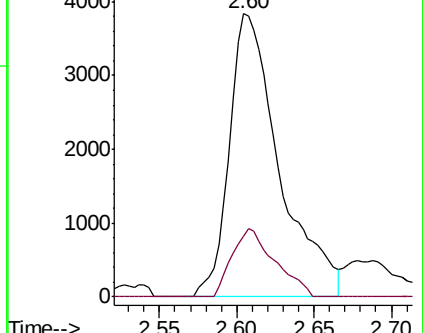
43 100

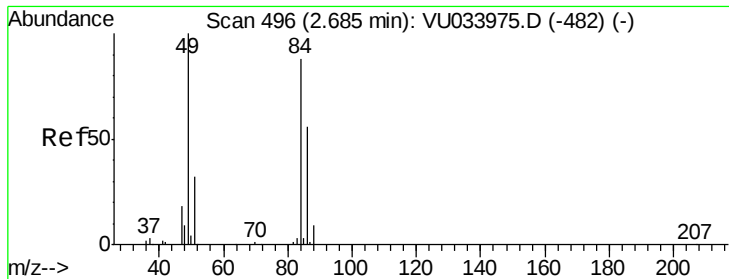
74 20.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033992.D (-379) (-)

Ion 74.00 (73.70 to 74.70): VU033992.D (-379) (-)





#20

Methylene Chloride

Concen: 3.572 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

T1-S-E-(2.5)

Tgt Ion: 84 Resp: 17656

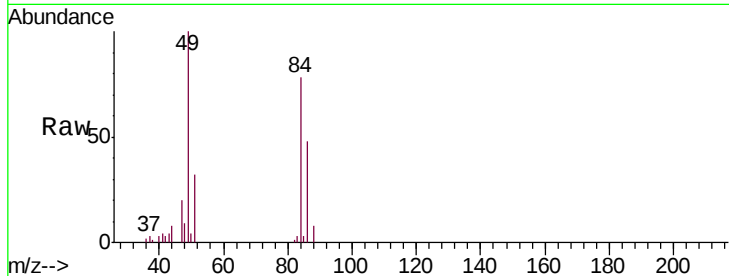
Ion Ratio Lower Upper

84 100

49 128.7 91.3 136.9

51 41.5 28.9 43.3

86 61.9 50.9 76.3

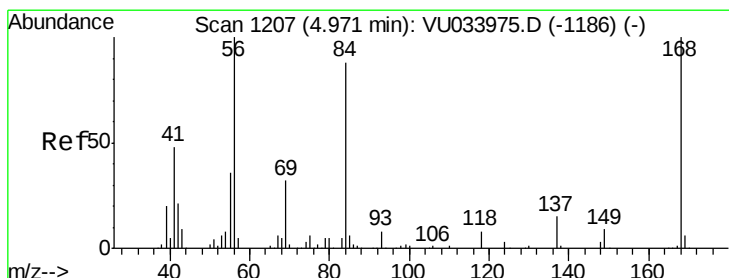
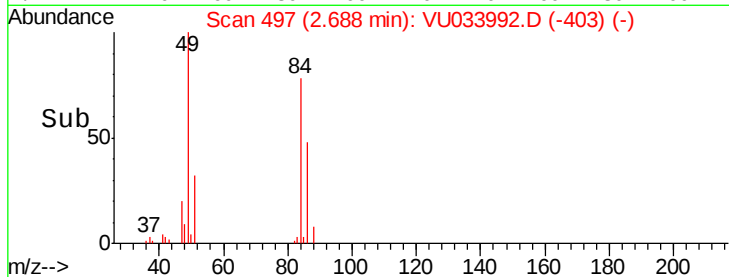
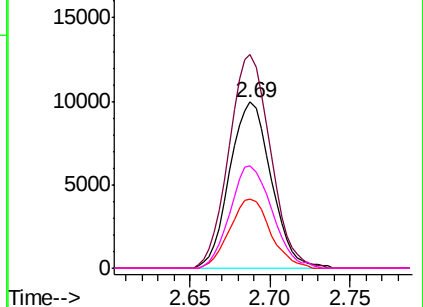


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

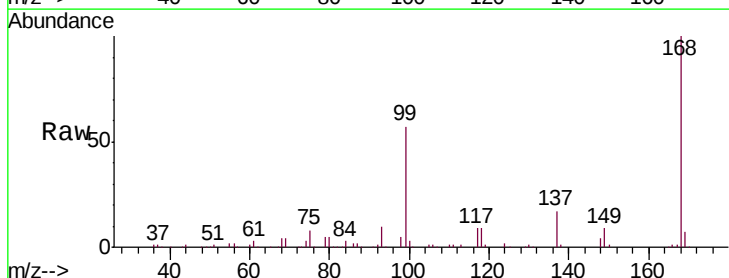
Tgt Ion: 56 Resp: 8554

Ion Ratio Lower Upper

56 100

69 211.0 25.9 38.9#

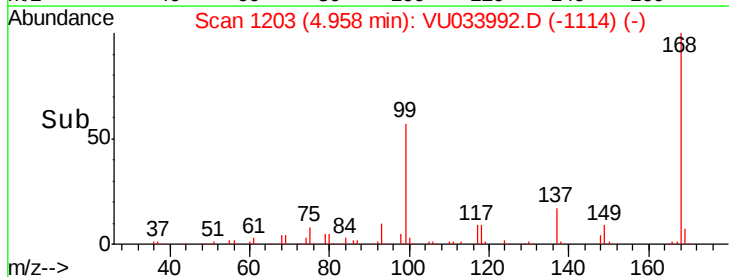
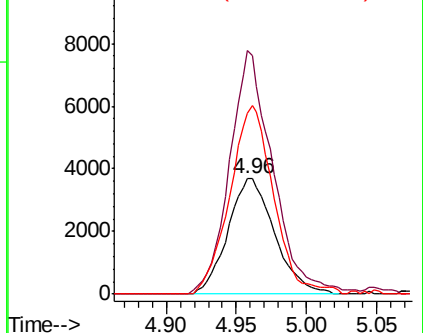
84 156.9 70.4 105.6#

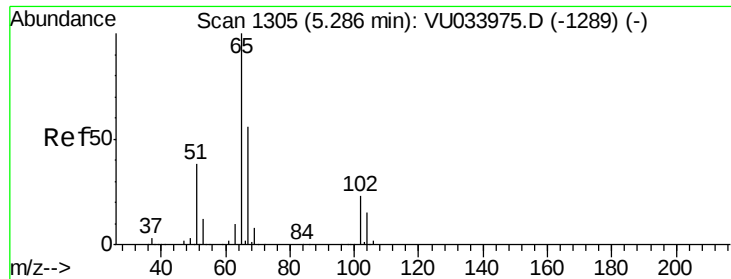


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

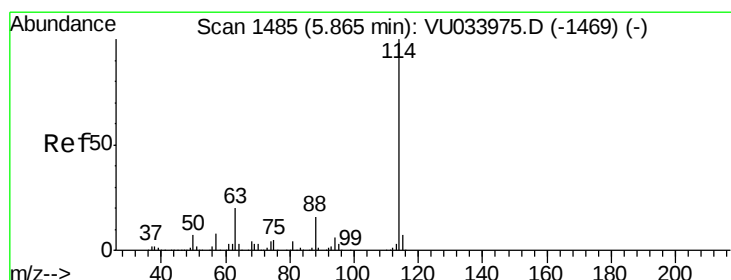
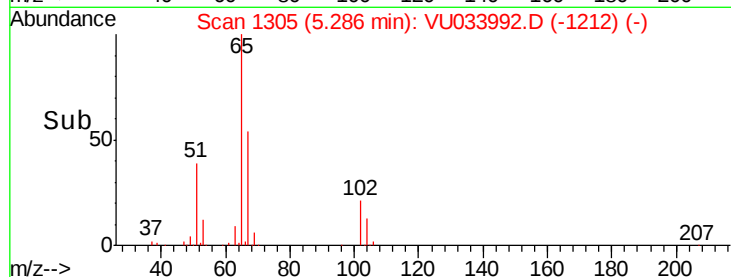
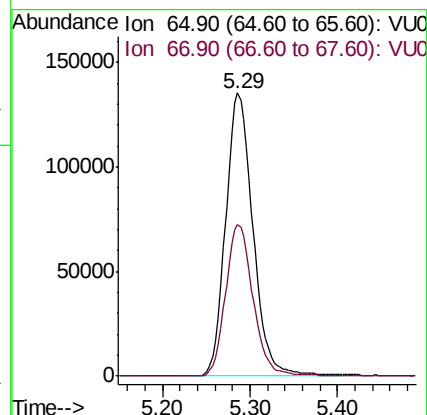
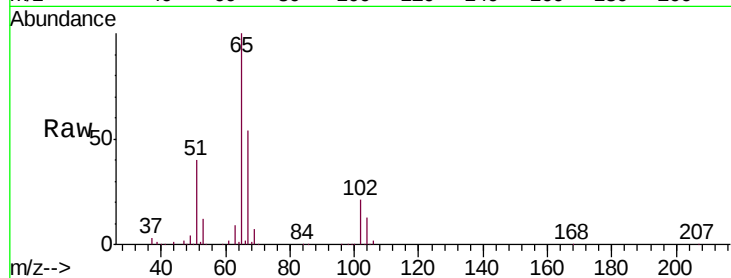




#33
 1,2-Dichloroethane-d4
 Concen: 60.157 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

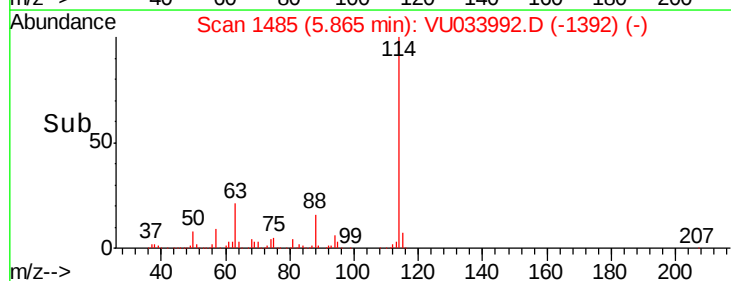
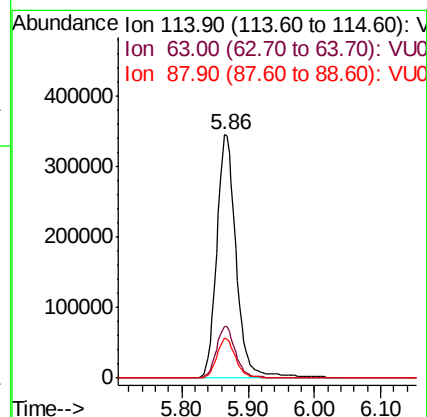
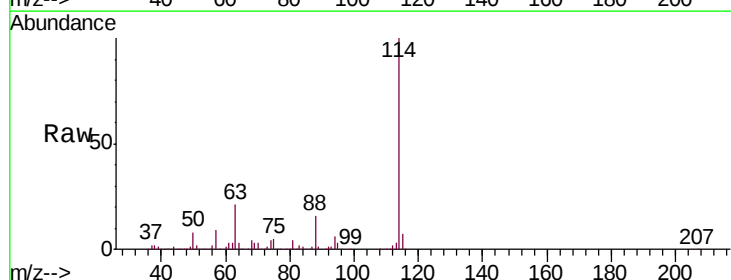
Instrument :
 MSVOA_U
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 T1-S-E-(2.5)

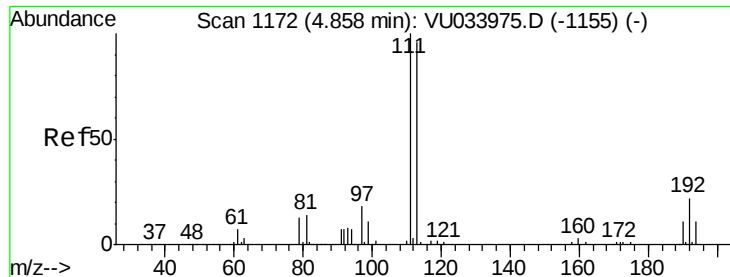
Tgt Ion: 65 Resp: 292798
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Tgt Ion: 114 Resp: 704661
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.0
 88 16.2 0.0 31.2

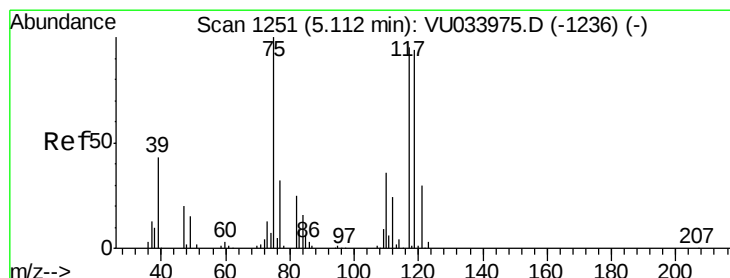
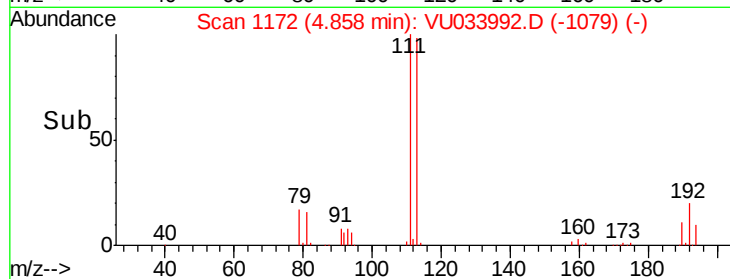
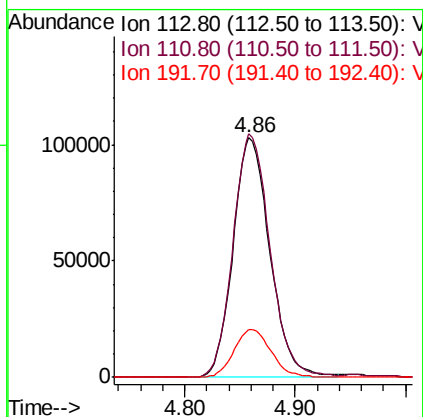
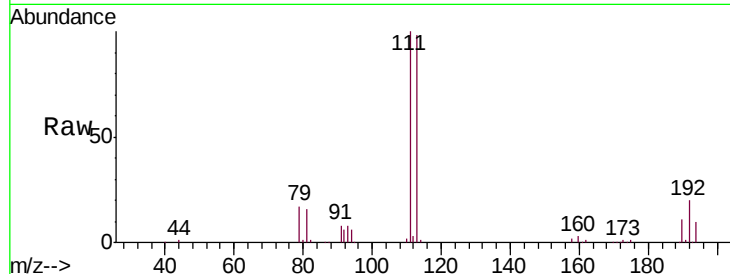




#35
Dibromofluoromethane
Concen: 50.251 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

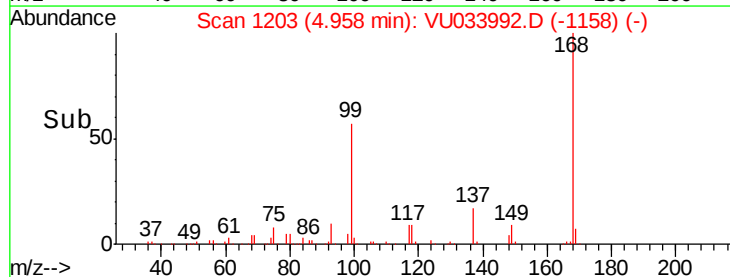
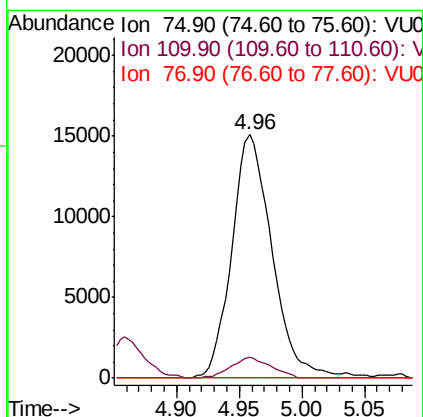
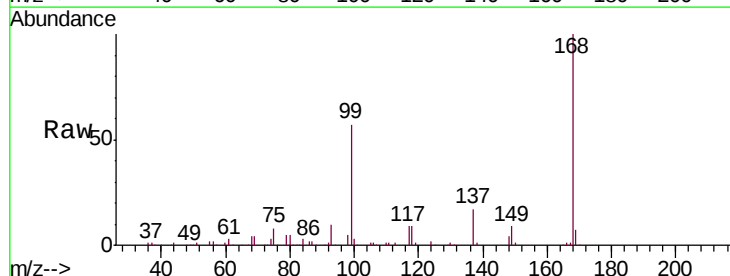
Instrument :
MSVOA_U
ClientSampleId :
T1-S-E-(2.5)

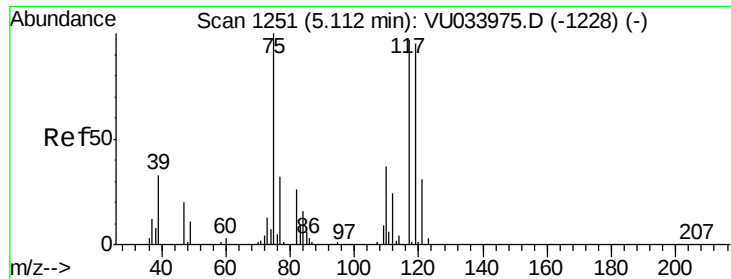
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	20.2	18.6	27.8



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.15 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.8	37.2#

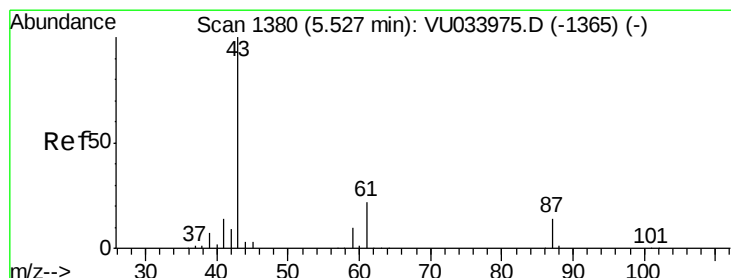
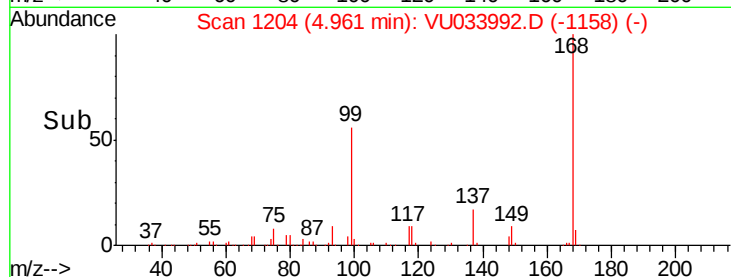
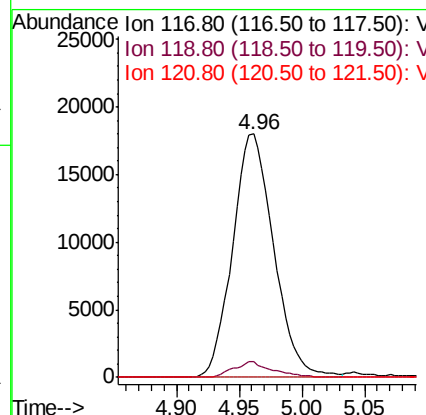
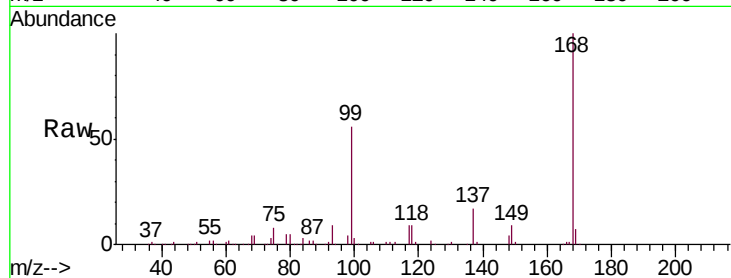




#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

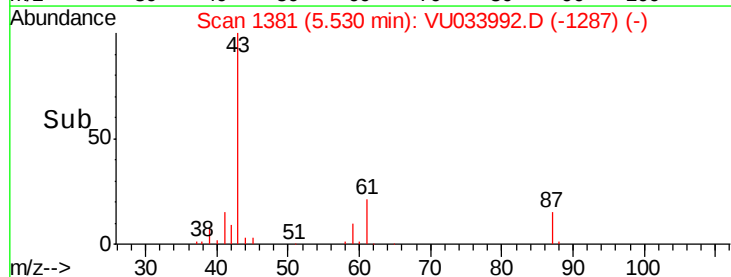
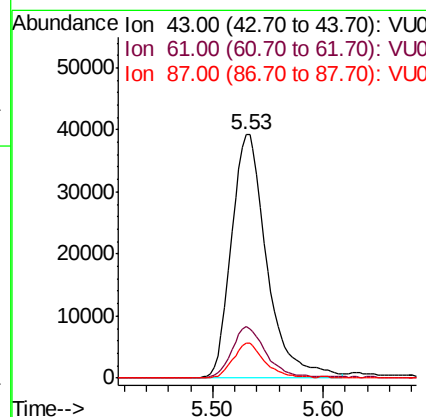
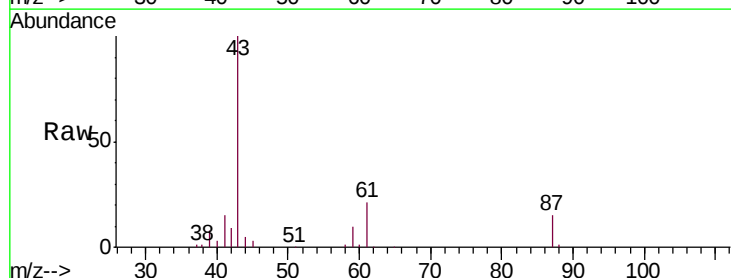
Instrument :
MSVOA_U
ClientSampleId :
T1-S-E-(2.5)

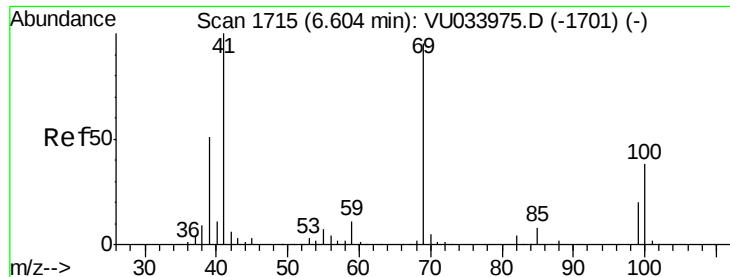
Tgt Ion: 117 Resp: 41071
Ion Ratio Lower Upper
117 100
119 6.3 78.4 117.6#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 8.835 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

Tgt Ion: 43 Resp: 87689
Ion Ratio Lower Upper
43 100
61 20.8 17.8 26.8
87 12.9 11.9 17.9





#48

Methyl methacrylate

Concen: 30.941 ug/l

RT: 6.68 min Scan# 1740

Delta R.T. 0.08 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

T1-S-E-(2.5)

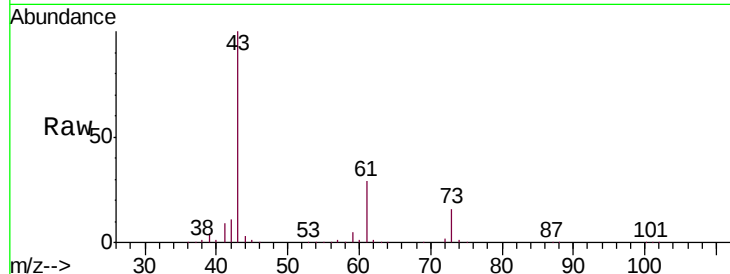
Tgt Ion: 41 Resp: 146015

Ion Ratio Lower Upper

41 100

69 0.1 76.3 114.5#

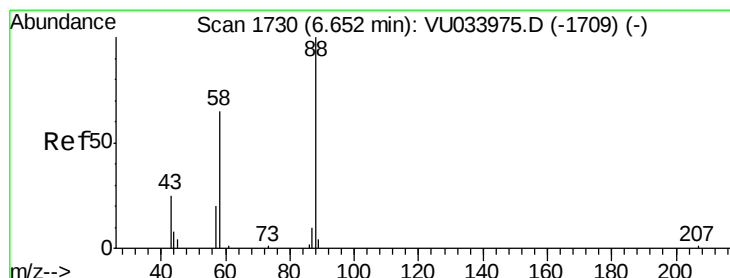
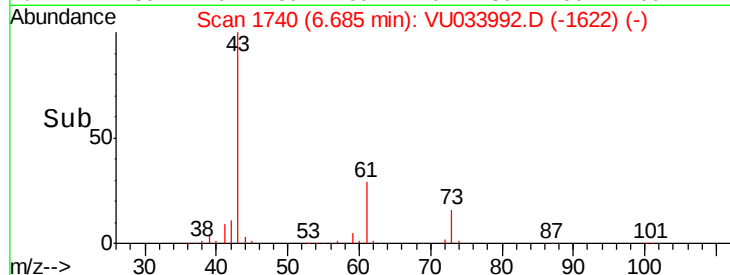
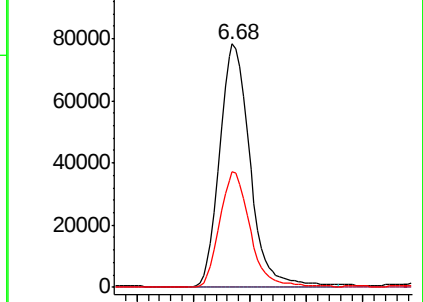
39 47.9 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU033992.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU033992.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU033992.D (-1622) (-)



#49

1,4-Dioxane

Concen: 1.467 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.04 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

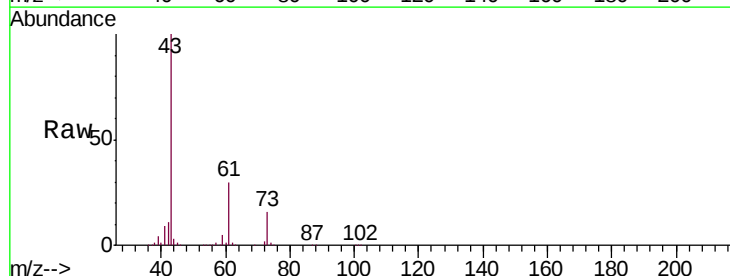
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

43 843808.9 0.0 0.0#

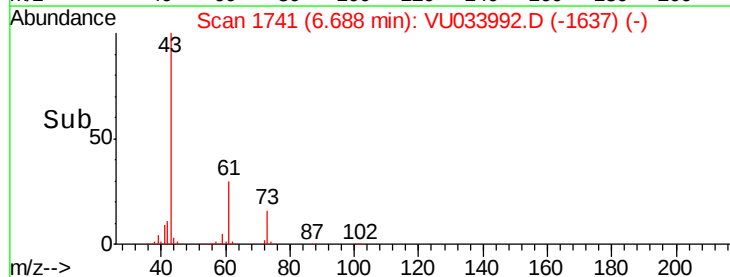
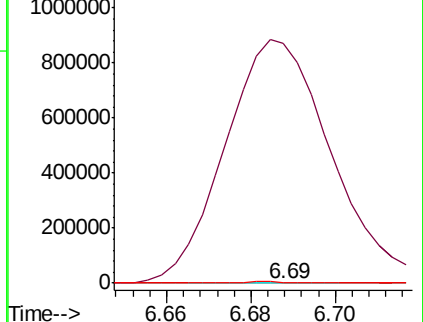
58 4242.6 56.6 85.0#

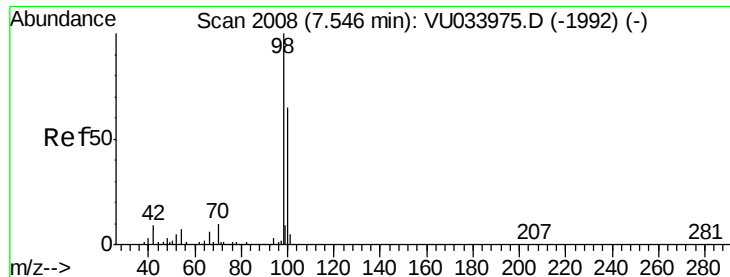


Abundance Ion 88.00 (87.70 to 88.70): VU033992.D (-1637) (-)

Ion 43.00 (42.70 to 43.70): VU033992.D (-1637) (-)

Ion 58.00 (57.70 to 58.70): VU033992.D (-1637) (-)

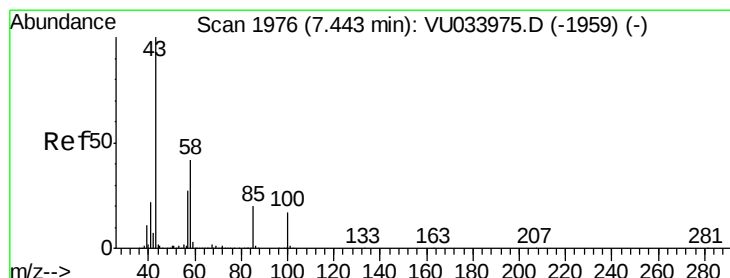
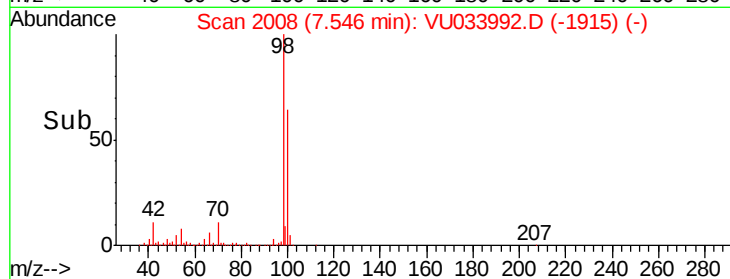
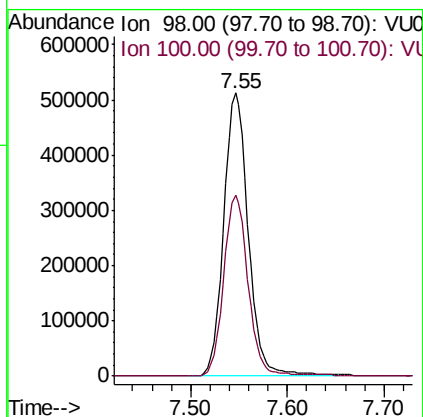
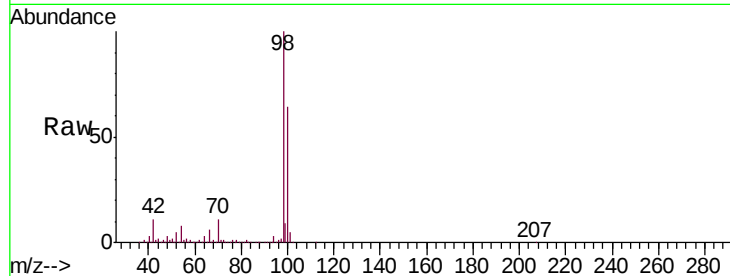




#50
Toluene-d8
Concen: 51.785 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

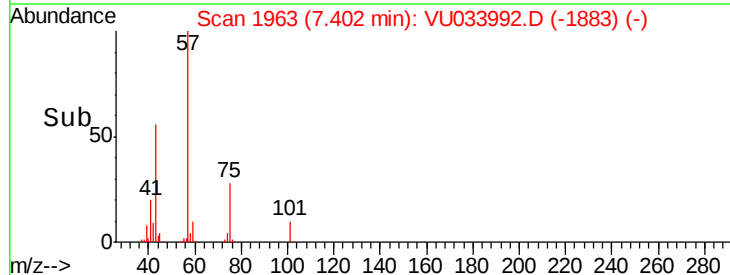
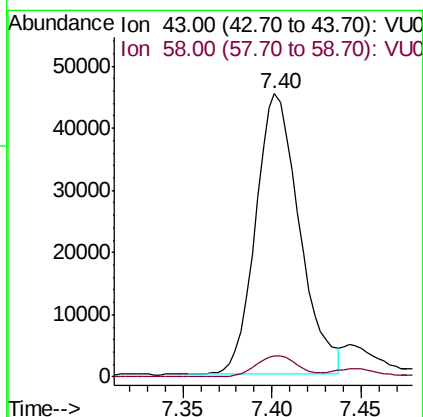
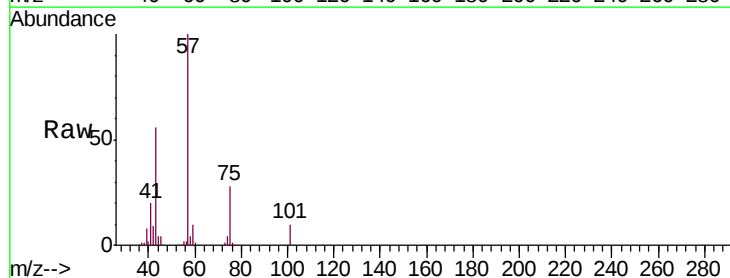
Instrument :
MSVOA_U
ClientSampleId :
T1-S-E-(2.5)

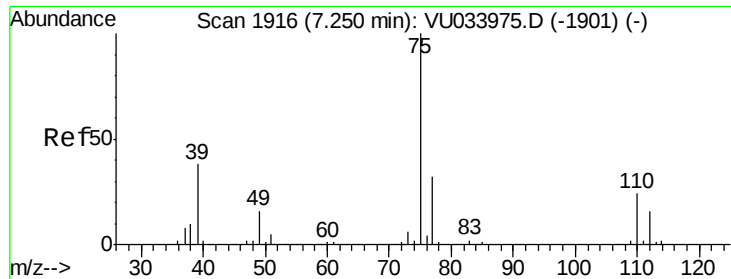
Tgt Ion: 98 Resp: 904744
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 11.365 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

Tgt Ion: 43 Resp: 77779
Ion Ratio Lower Upper
43 100
58 7.2 33.6 50.4#



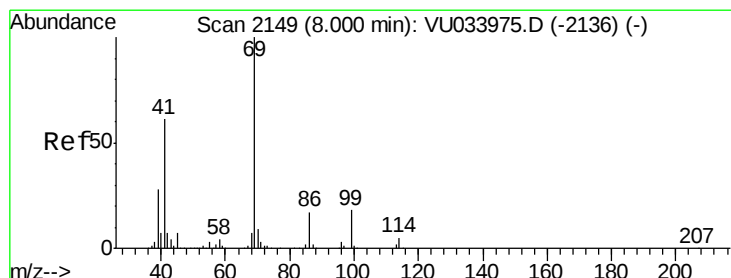
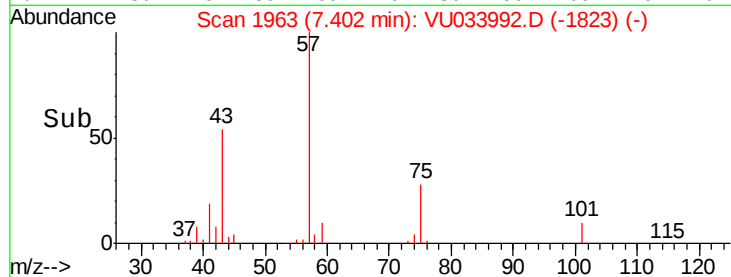
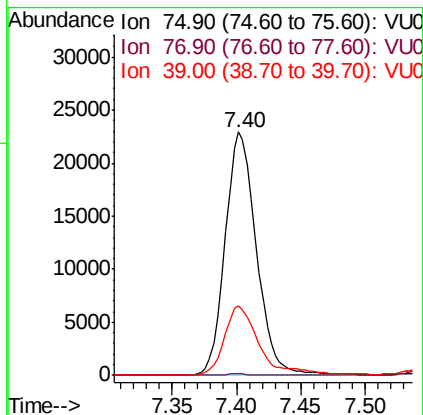
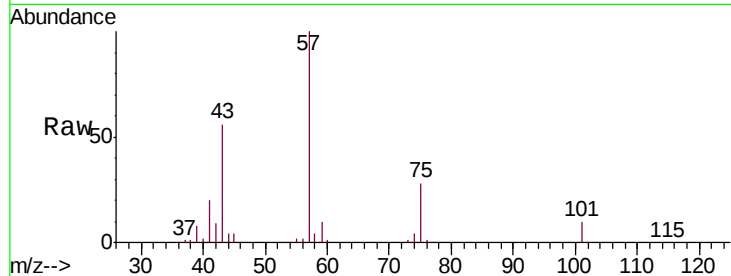


#54

cis-1,3-Dichloropropene
 Concen: 4.847 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-E-(2.5)

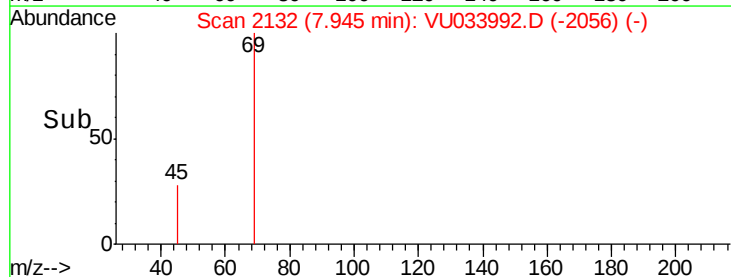
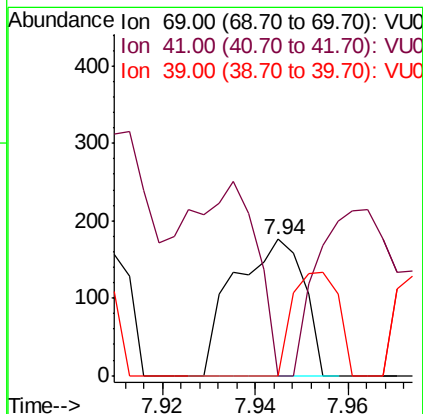
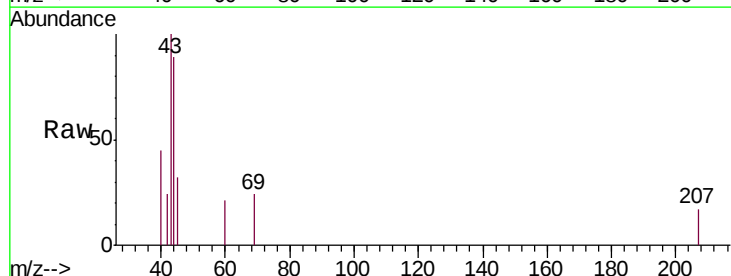
Tgt Ion: 75 Resp: 38530
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 28.3 30.7 46.1#

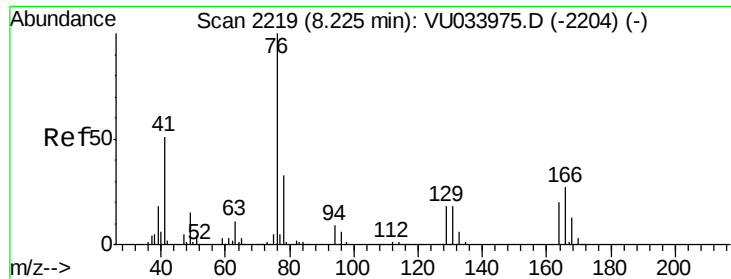


#56

Ethyl methacrylate
 Concen: 2.536 ug/l
 RT: 7.94 min Scan# 2132
 Delta R.T. -0.05 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Tgt Ion: 69 Resp: 184
 Ion Ratio Lower Upper
 69 100
 41 0.0 48.6 72.8#
 39 0.0 22.4 33.6#

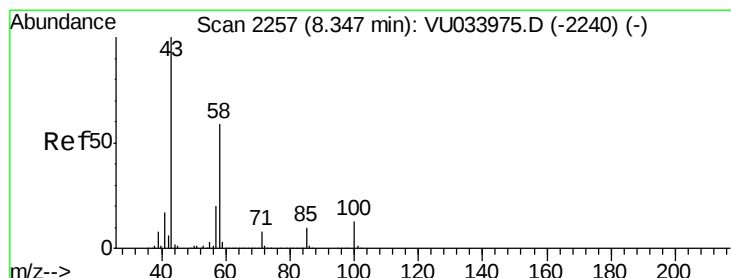
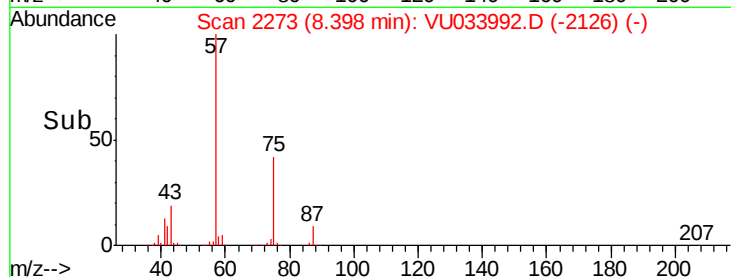
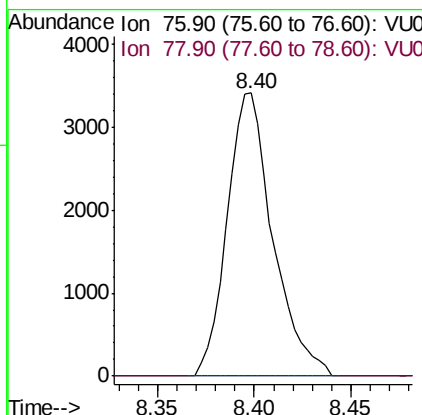
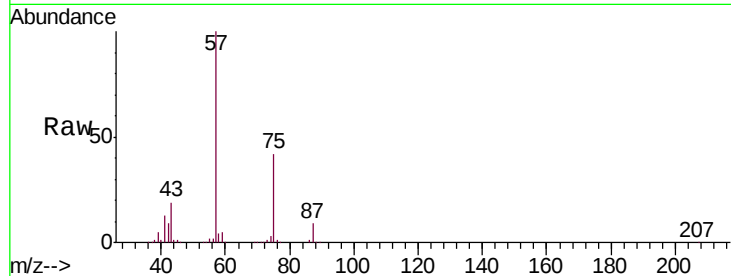




#57
 1,3-Dichloropropane
 Concen: 0.670 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.17 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

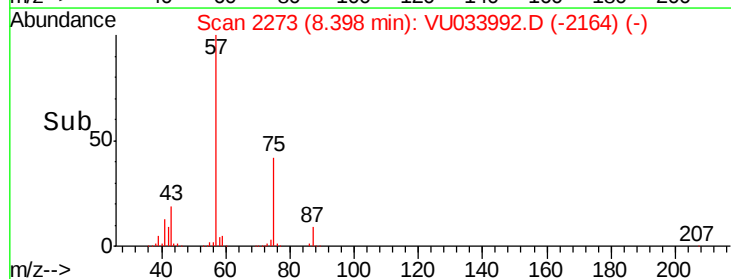
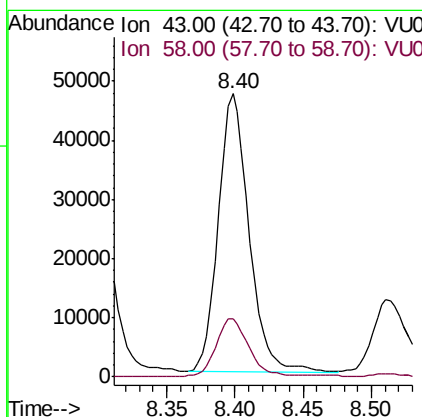
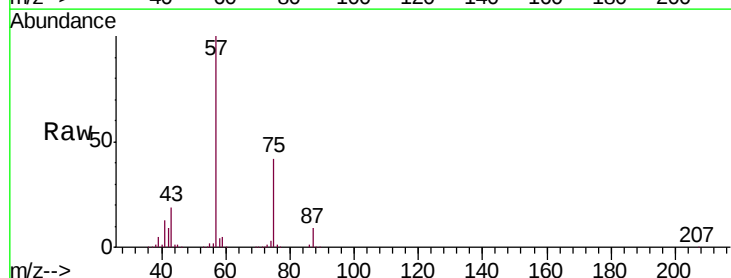
Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-E-(2.5)

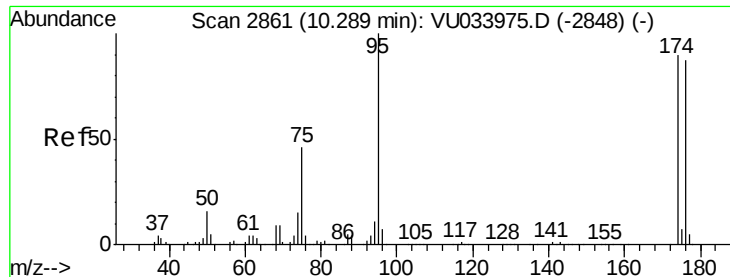
Tgt Ion: 76 Resp: 5584
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 13.988 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU033992.D
 Acq: 27 Aug 2019 23:05

Tgt Ion: 43 Resp: 73580
 Ion Ratio Lower Upper
 43 100
 58 22.1 29.5 88.6#

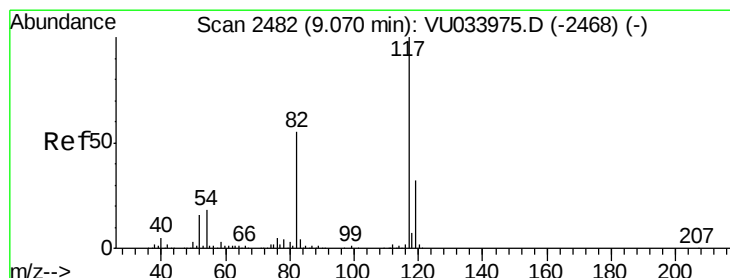
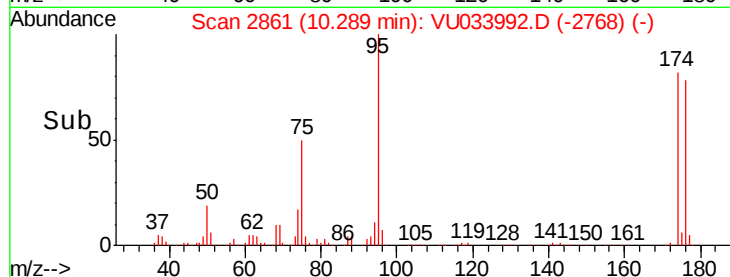
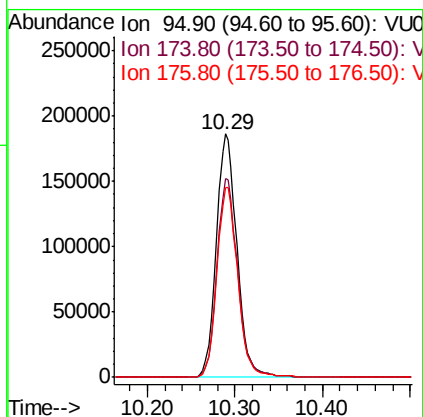
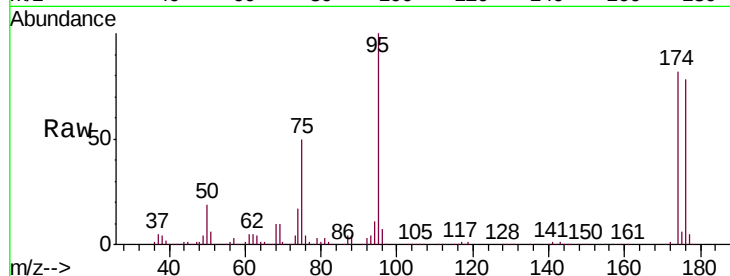




#62
4-Bromofluorobenzene
Concen: 45.530 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

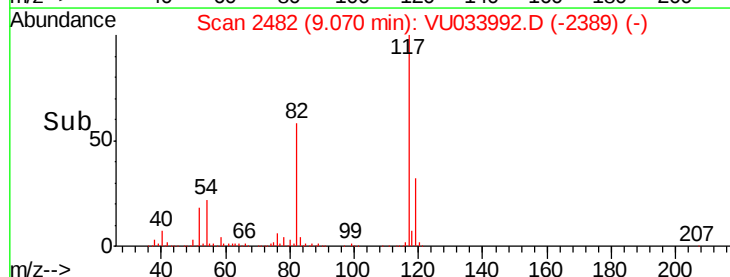
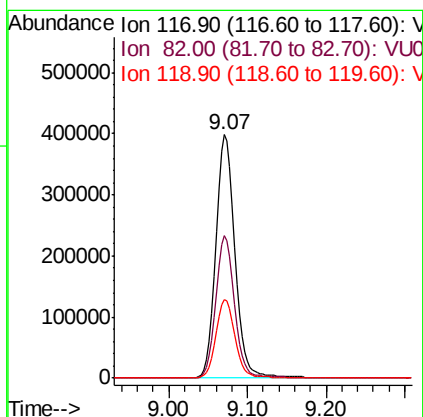
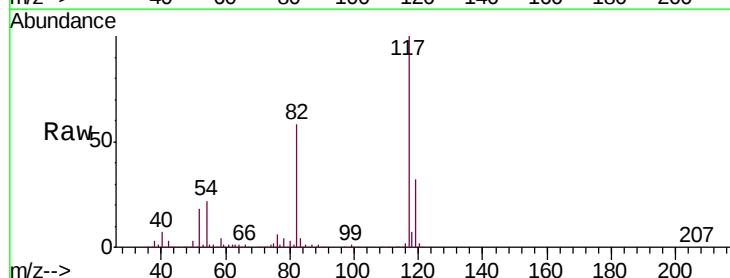
Instrument :
MSVOA_U
ClientSampleId :
T1-S-E-(2.5)

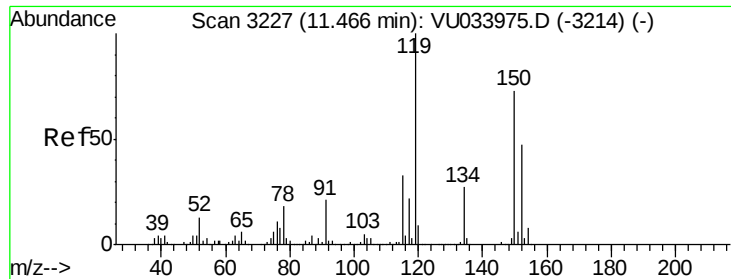
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	183.8
176	78.9	0.0	176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033992.D
Acq: 27 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.3	43.8	65.8
119	32.4	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

T1-S-E-(2.5)

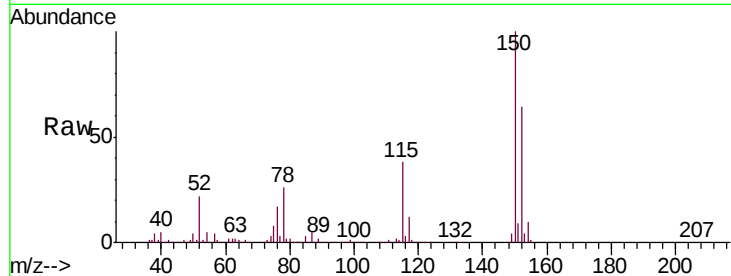
Tgt Ion:152 Resp: 287347

Ion Ratio Lower Upper

152 100

115 58.5 38.6 115.7

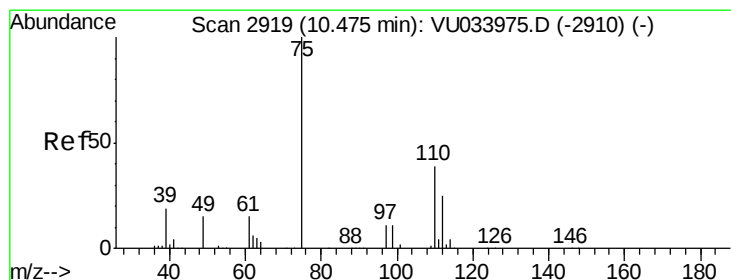
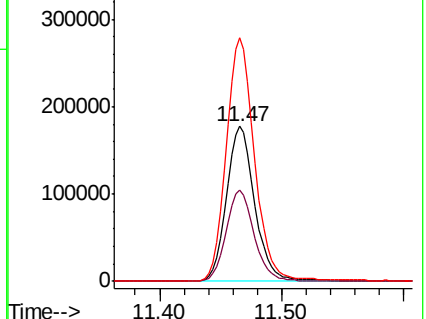
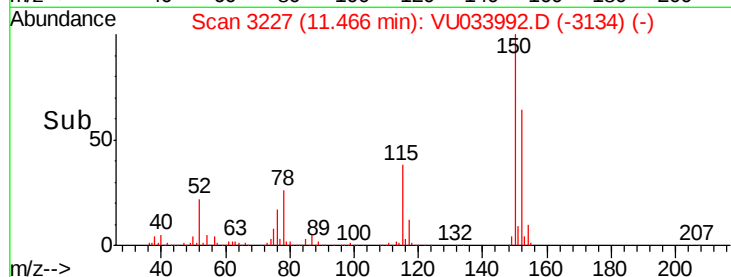
150 158.5 0.0 343.8



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



#76

1,2,3-Trichloropropane

Concen: 26.545 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033992.D

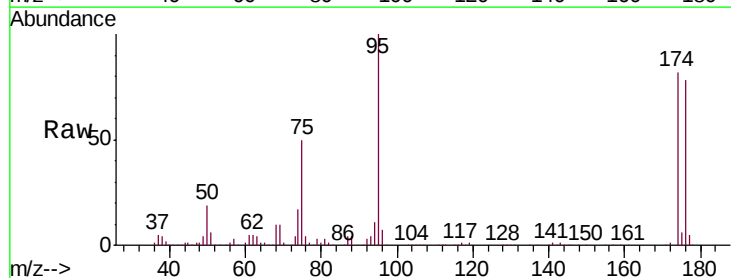
Acq: 27 Aug 2019 23:05

Tgt Ion: 75 Resp: 151981

Ion Ratio Lower Upper

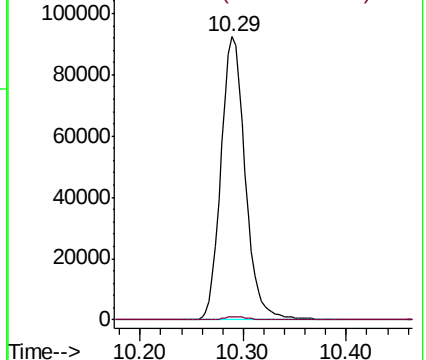
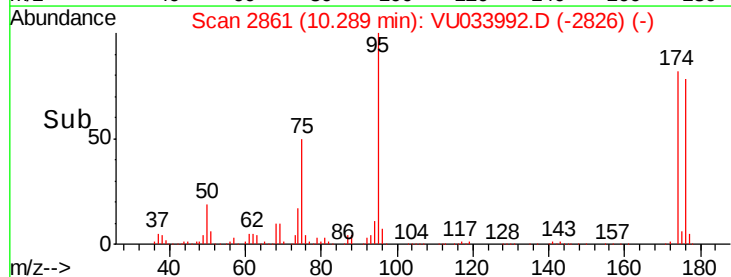
75 100

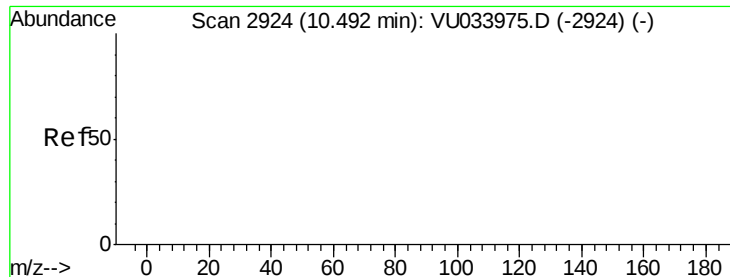
77 1.2 21.0 63.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.031 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

T1-S-E-(2.5)

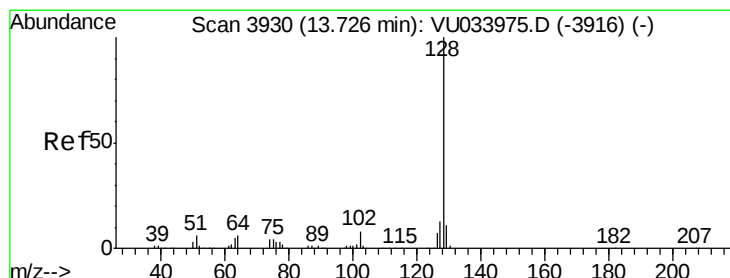
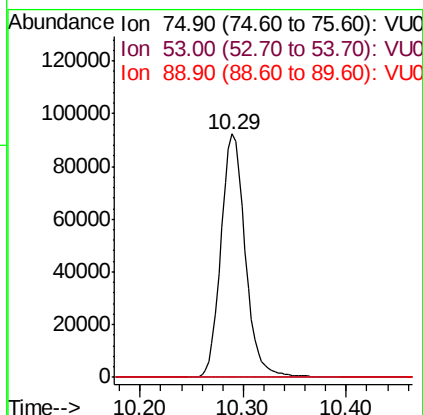
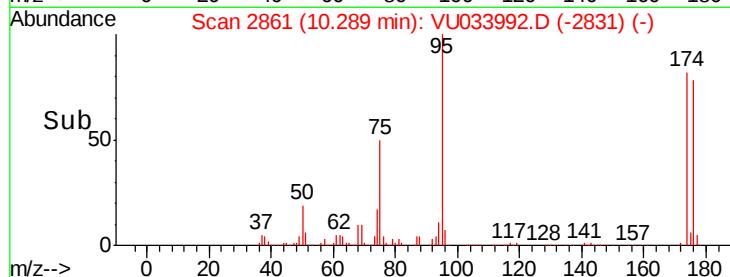
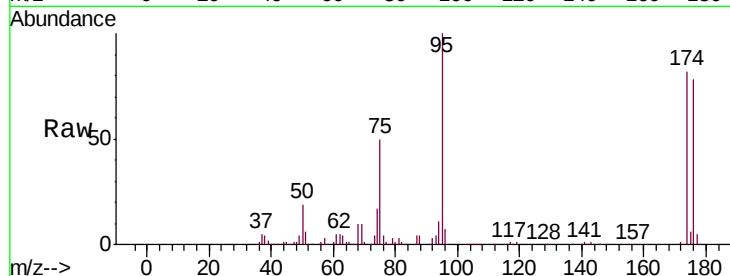
Tgt Ion: 75 Resp: 151981

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: 13.81 min Scan# 3956

Delta R.T. 0.08 min

Lab File: VU033992.D

Acq: 27 Aug 2019 23:05

Tgt Ion: 128 Resp: 46

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#

