

Data File : VU034493.D
Acq On : 11 Sep 2019 22:34
Operator : JC/SP
Sample : K4624-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(0)

Quant Time: Sep 12 04:45:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	229476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	363859	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	373541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	203285	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	218682	62.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.96%	
35) Dibromofluoromethane	4.86	113	190583	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
50) Toluene-d8	7.54	98	658793	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	10.29	95	223820	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

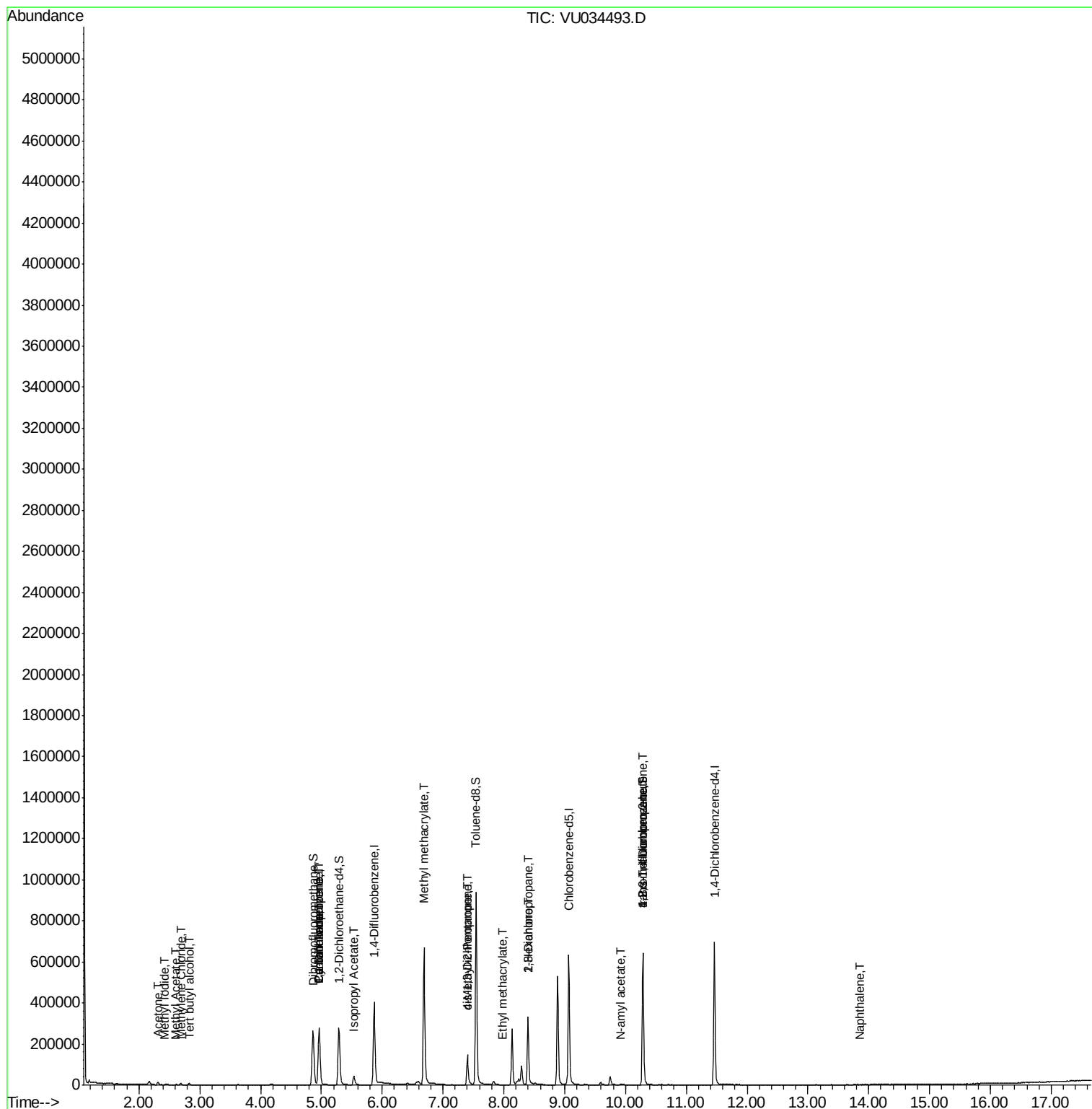
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	595	Below Cal		81
6) Chloroethane	1.66	64	221	Below Cal	#	43
10) Methyl Iodide	2.41	142	187	3.917	ug/l #	55
11) Tert butyl alcohol	2.83	59	4150	5.658	ug/l #	73
16) Acetone	2.31	43	14061	7.826	ug/l	98
18) Methyl Acetate	2.62	43	2470	0.565	ug/l #	88
20) Methylene Chloride	2.69	84	3432	0.773	ug/l	95
31) Cyclohexane	4.97	56	3826	0.941	ug/l #	1
36) 1,1-Dichloropropene	4.97	75	15624	3.959	ug/l #	48
38) Carbon Tetrachloride	4.96	117	20455	4.855	ug/l #	15
43) Isopropyl Acetate	5.53	43	53499	7.351	ug/l	98
48) Methyl methacrylate	6.69	41	60124	17.393	ug/l #	37
51) 4-Methyl-2-Pentanone	7.40	43	50699	10.063	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	27797	5.080	ug/l #	64
56) Ethyl methacrylate	7.97	69	140	3.100	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	3400	0.576	ug/l #	43
59) 2-Hexanone	8.40	43	45332	12.045	ug/l #	54
74) N-amyl acetate	9.92	43	3070	0.577	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	106497	24.000	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	106497	80.711	ug/l #	100
95) Naphthalene	13.86	128	71	3.971	ug/l #	69

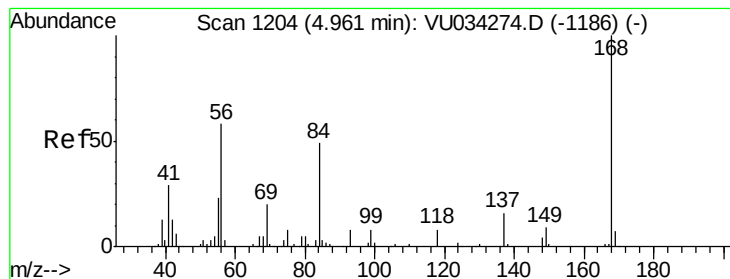
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

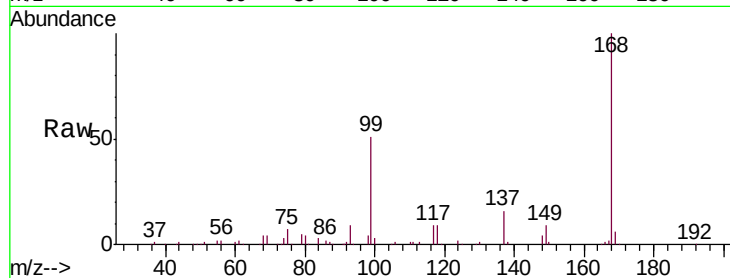
T-11-A2-(0)

Tgt Ion:168 Resp: 229476

Ion Ratio Lower Upper

168 100

99 51.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034493.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034493.D (-1111) (-)

4.96

100000

80000

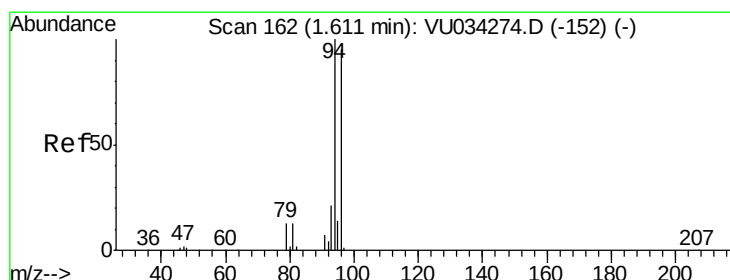
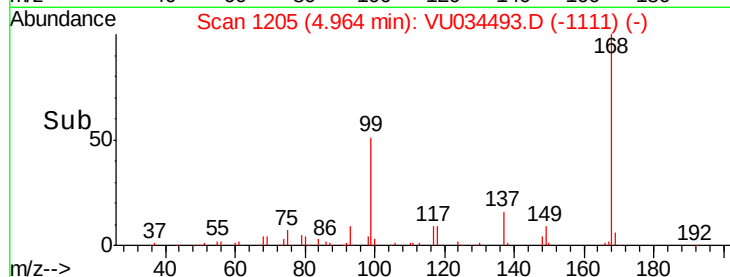
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034493.D

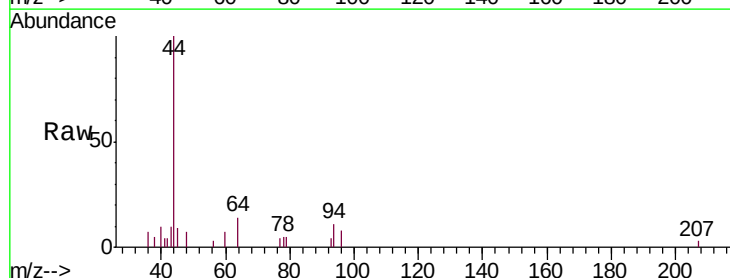
Acq: 11 Sep 2019 22:34

Tgt Ion: 94 Resp: 595

Ion Ratio Lower Upper

94 100

96 76.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034493.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034493.D (-68) (-)

1.63

400

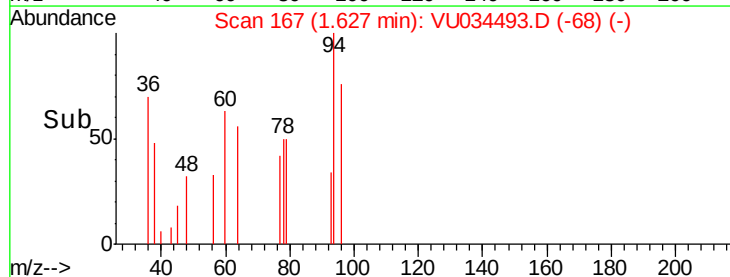
300

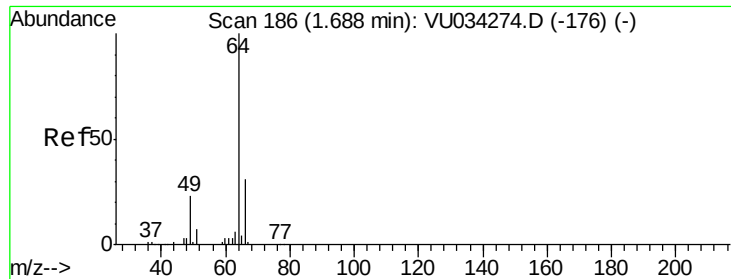
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

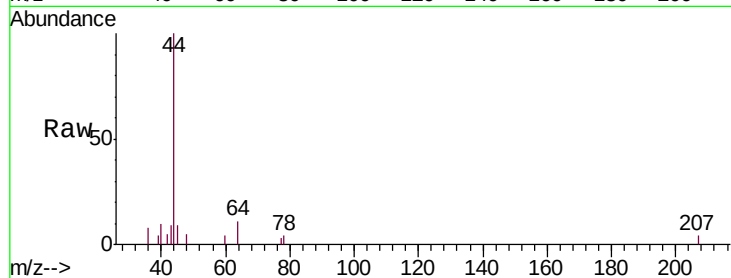
T-11-A2-(0)

Tgt Ion: 64 Resp: 221

Ion Ratio Lower Upper

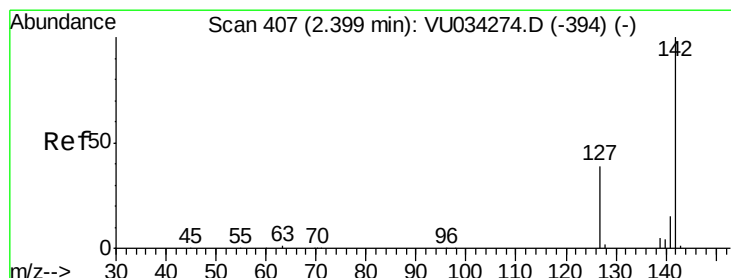
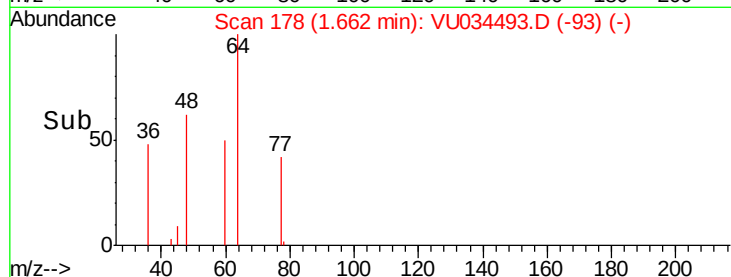
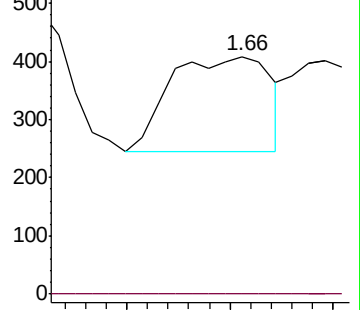
64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 3.917 ug/l

RT: 2.41 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

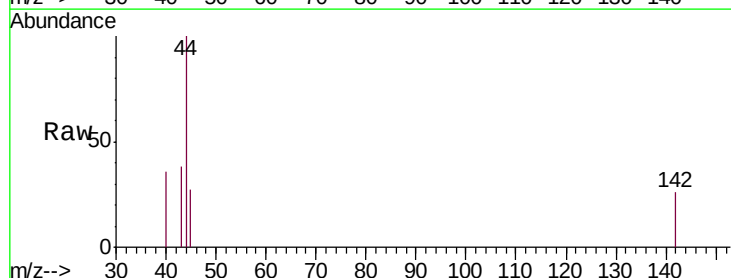
Tgt Ion: 142 Resp: 187

Ion Ratio Lower Upper

142 100

127 10.2 32.1 48.1#

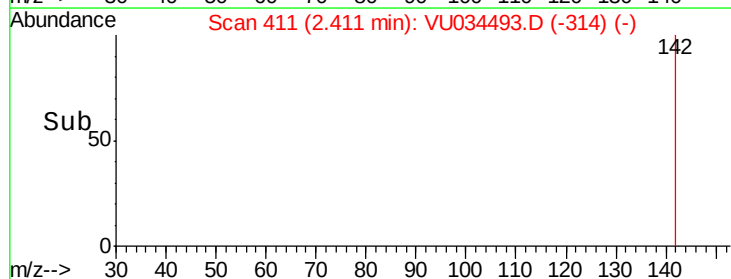
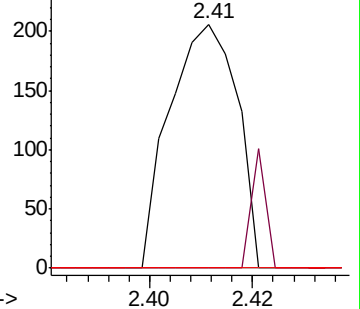
141 0.0 11.5 17.3#

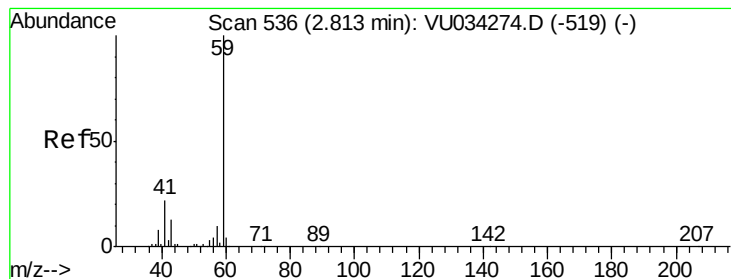


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.658 ug/l

RT: 2.83 min Scan# 541

Delta R.T. 0.02 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

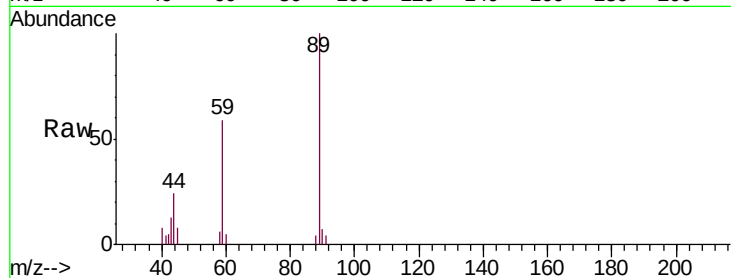
T-11-A2-(0)

Tgt Ion: 59 Resp: 4150

Ion Ratio Lower Upper

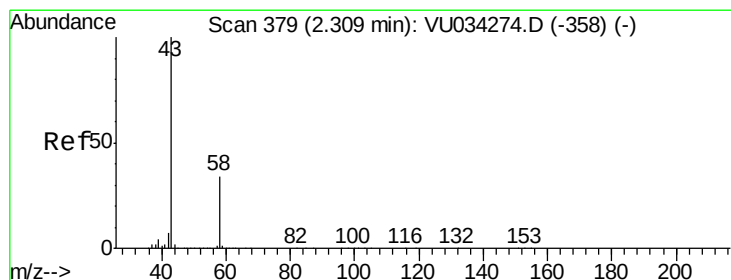
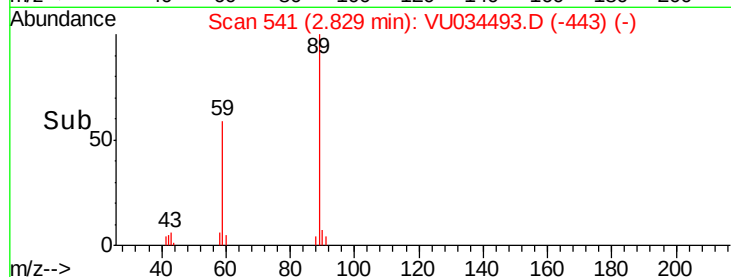
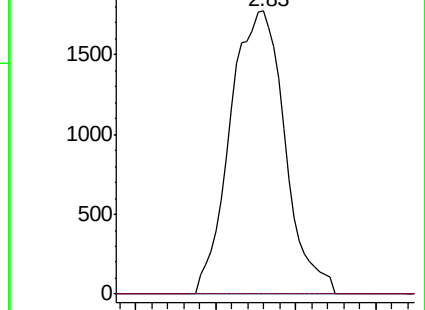
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034493.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034493.D (-519) (-)



#16

Acetone

Concen: 7.826 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034493.D

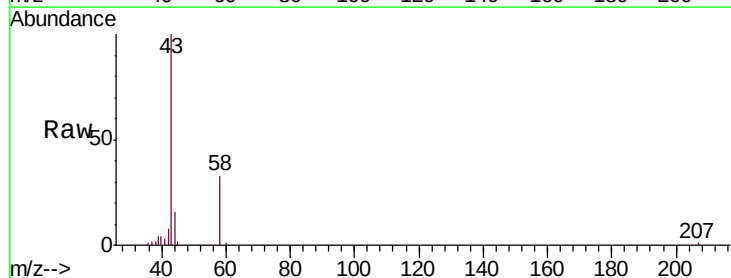
Acq: 11 Sep 2019 22:34

Tgt Ion: 43 Resp: 14061

Ion Ratio Lower Upper

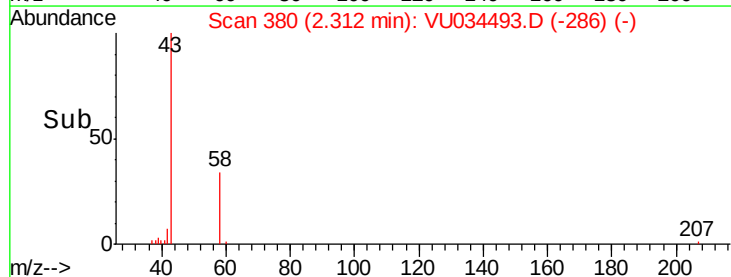
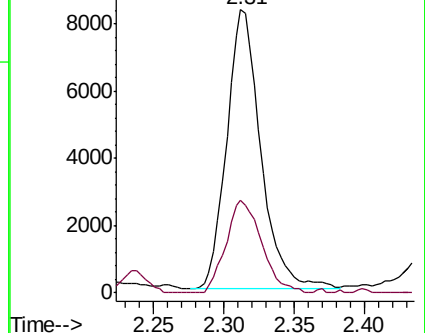
43 100

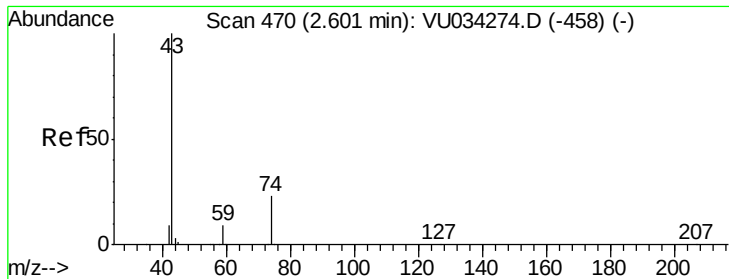
58 33.2 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034493.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034493.D (-286) (-)

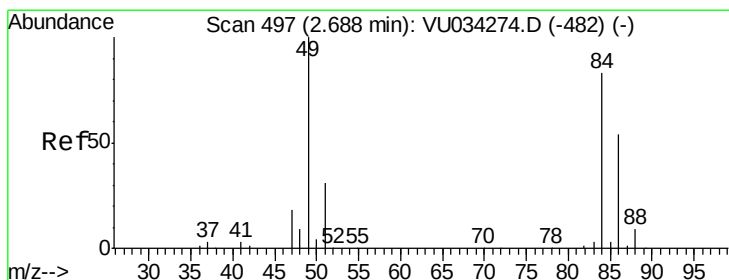
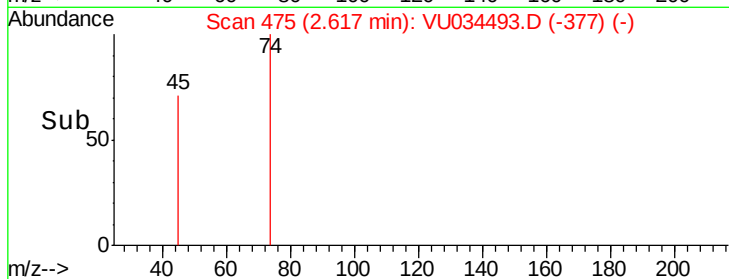
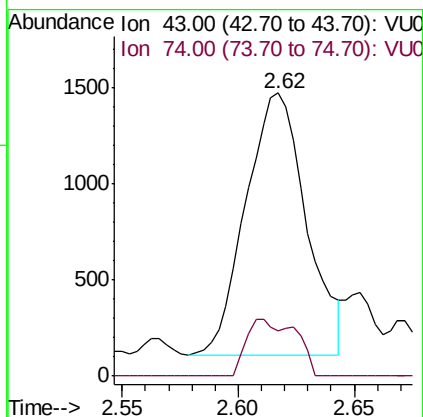
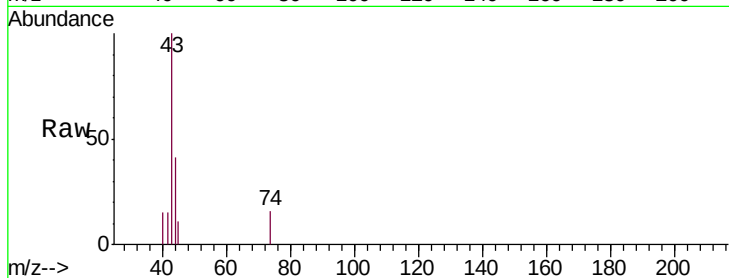




#18
Methyl Acetate
Concen: 0.565 ug/l
RT: 2.62 min Scan# 475
Delta R.T. 0.02 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

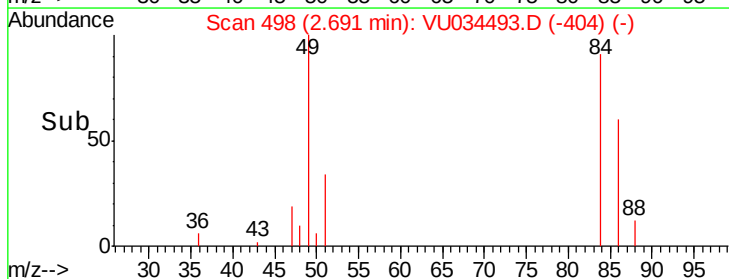
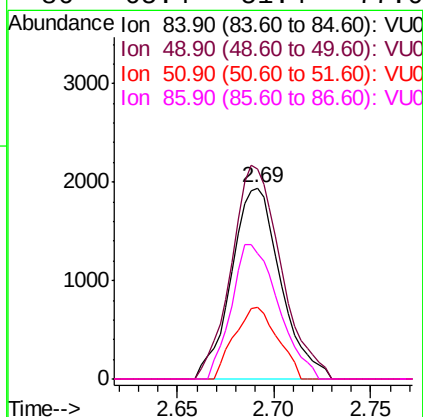
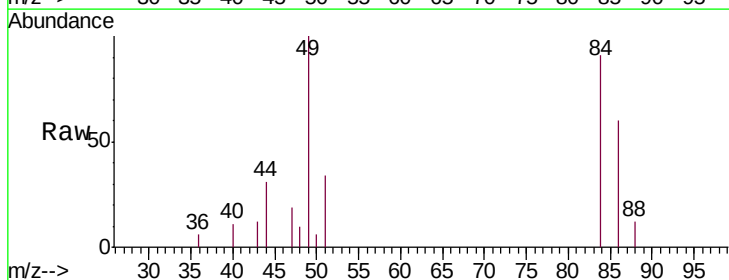
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(0)

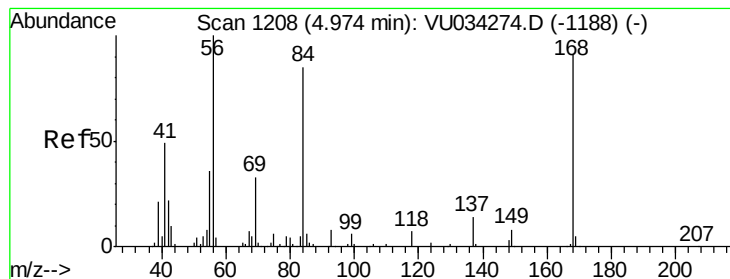
Tgt Ion: 43 Resp: 2470
Ion Ratio Lower Upper
43 100
74 17.9 18.9 28.3#



#20
Methylene Chloride
Concen: 0.773 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

Tgt Ion: 84 Resp: 3432
Ion Ratio Lower Upper
84 100
49 109.9 96.0 144.0
51 37.6 30.0 45.0
86 65.4 51.4 77.0





#31

Cyclohexane

Concen: 0.941 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(0)

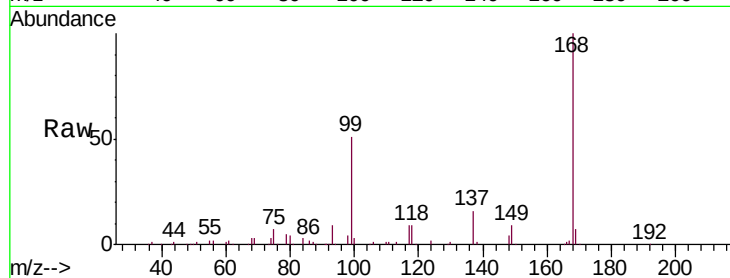
Tgt Ion: 56 Resp: 3826

Ion Ratio Lower Upper

56 100

69 193.2 26.7 40.1#

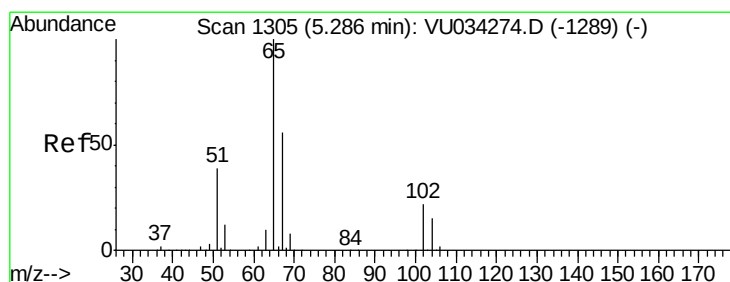
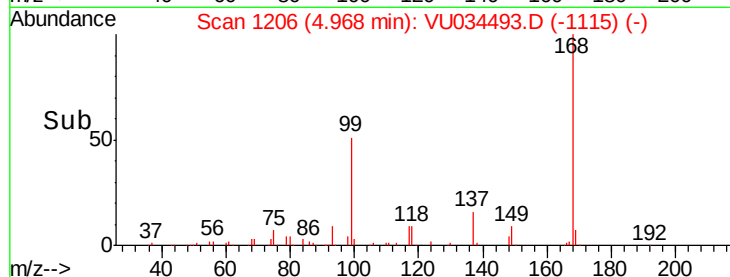
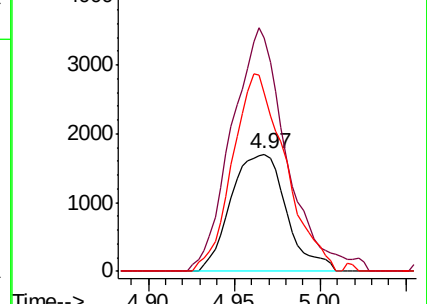
84 151.7 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 62.984 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034493.D

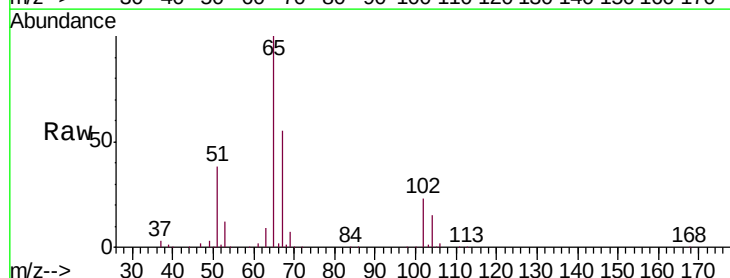
Acq: 11 Sep 2019 22:34

Tgt Ion: 65 Resp: 218682

Ion Ratio Lower Upper

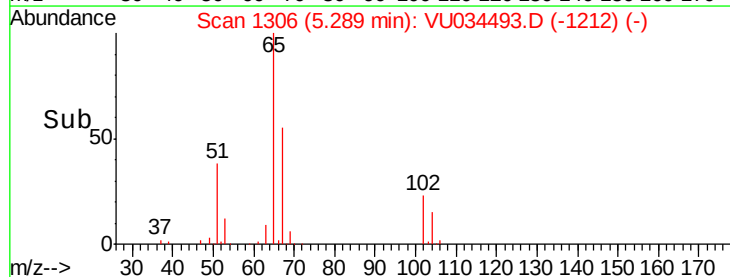
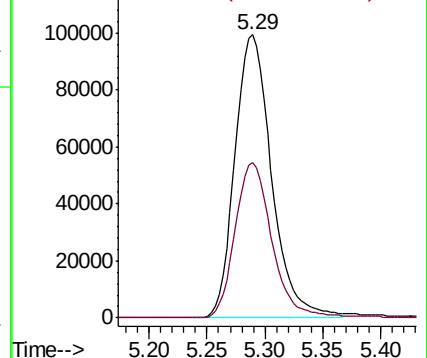
65 100

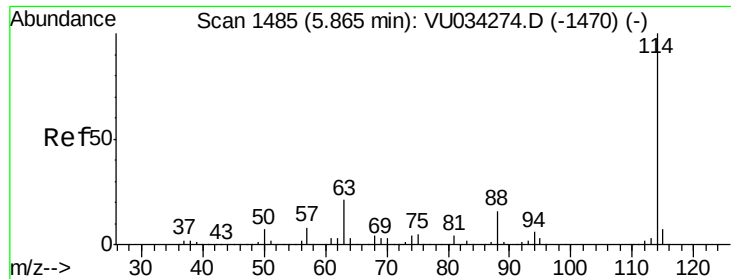
67 55.4 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

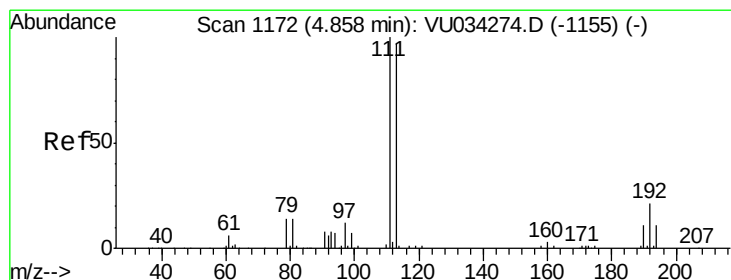
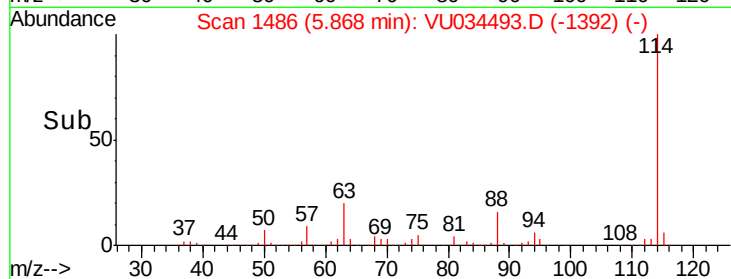
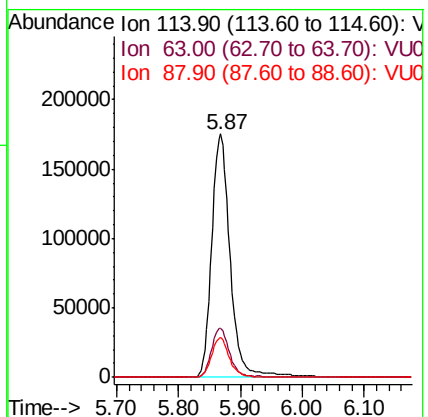
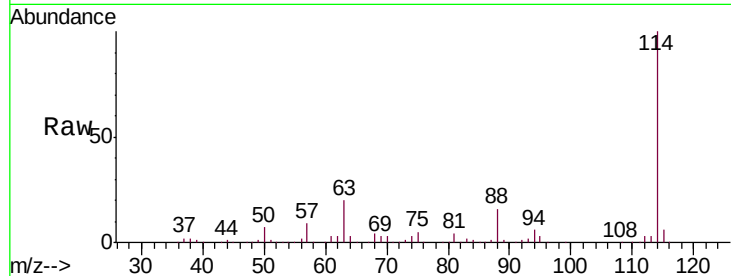




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

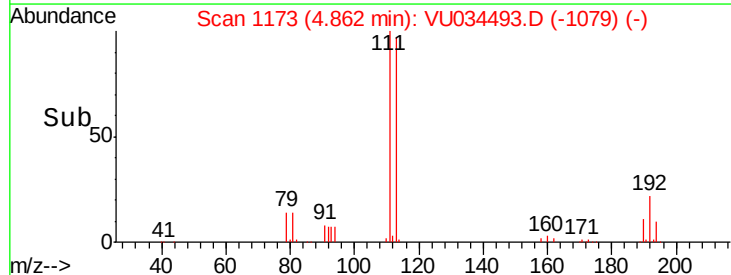
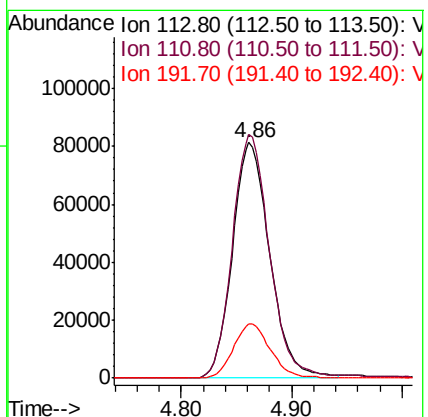
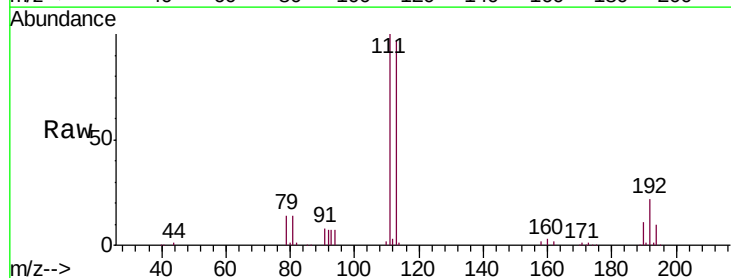
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 T-11-A2-(0)

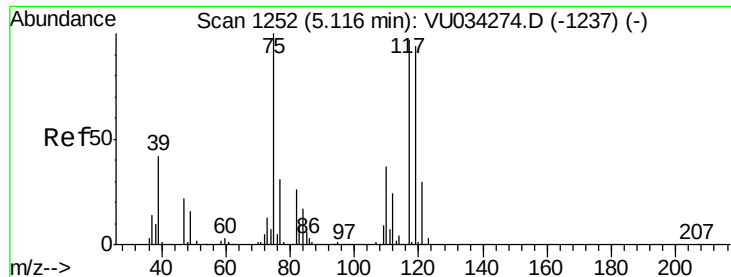
Tgt Ion:114 Resp: 363859
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.3 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 56.290 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

Tgt Ion:113 Resp: 190583
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.5 122.3
 192 22.9 17.8 26.8

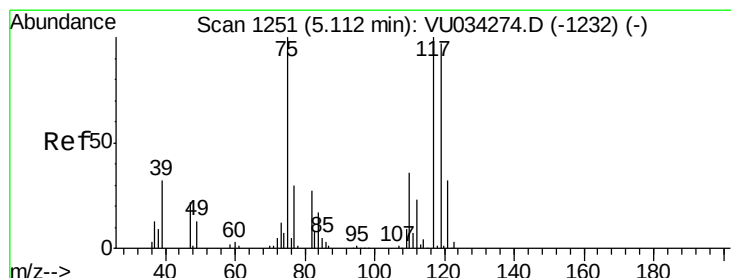
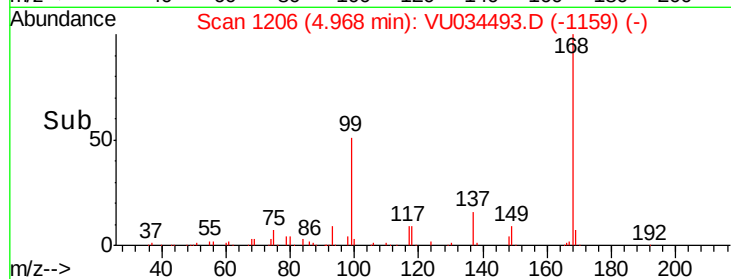
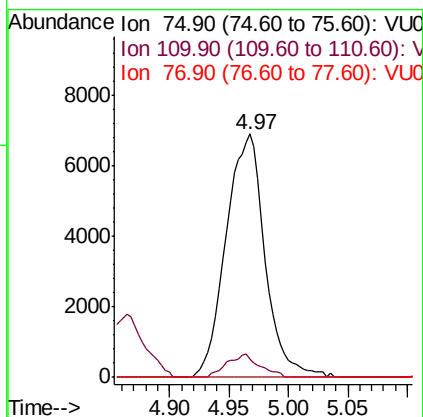
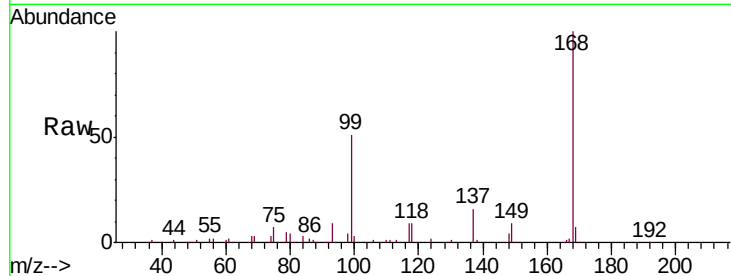




#36
 1,1-Dichloropropene
 Concen: 3.959 ug/l
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.15 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

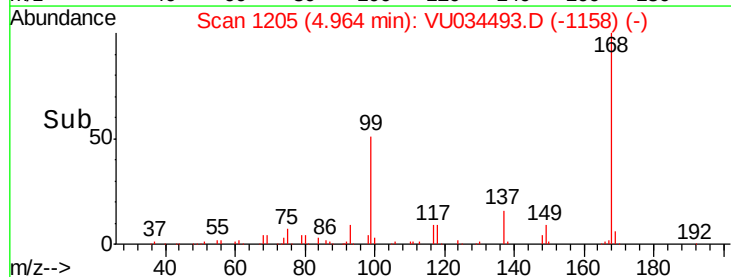
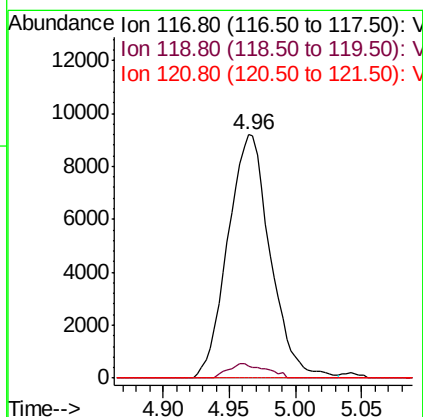
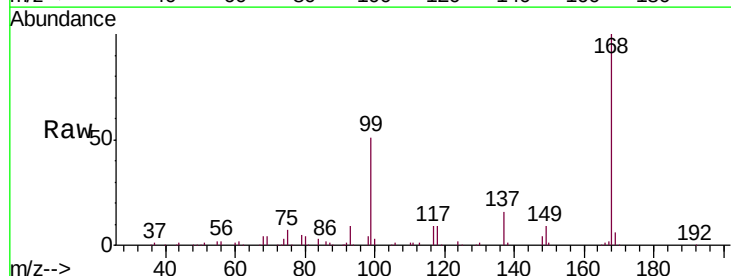
Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(0)

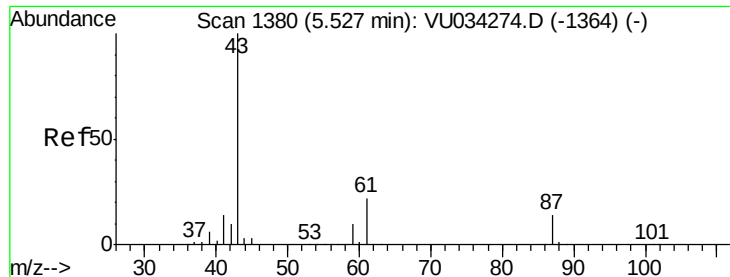
Tgt Ion: 75 Resp: 15624
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.855 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

Tgt Ion: 117 Resp: 20455
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.8 116.6#
 121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 7.351 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(0)

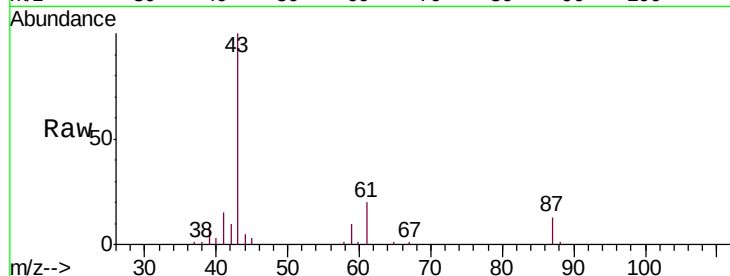
Tgt Ion: 43 Resp: 53499

Ion Ratio Lower Upper

43 100

61 20.8 17.1 25.7

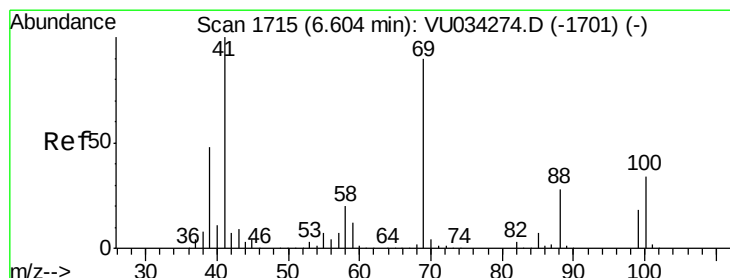
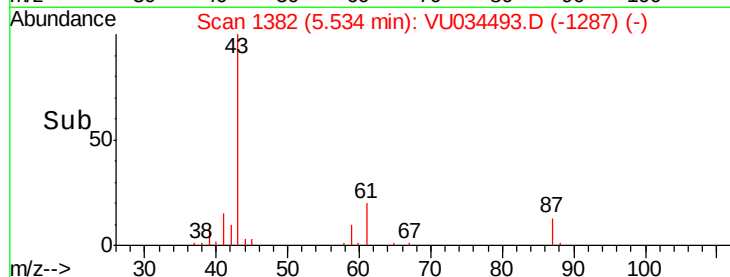
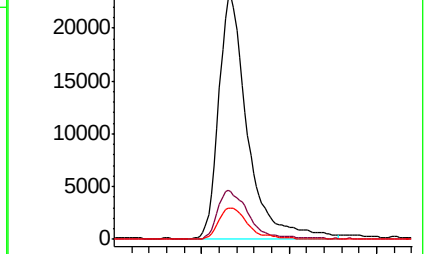
87 13.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034493.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034493.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034493.D (-1287) (-)



#48

Methyl methacrylate

Concen: 17.393 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.08 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

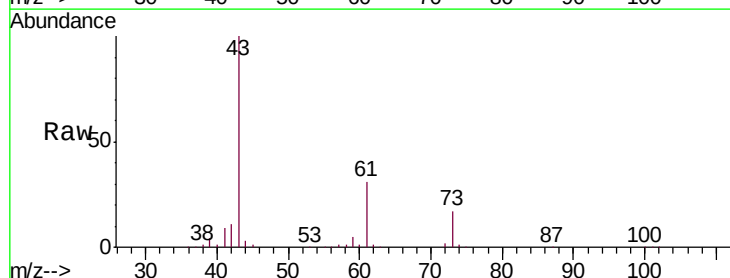
Tgt Ion: 41 Resp: 60124

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

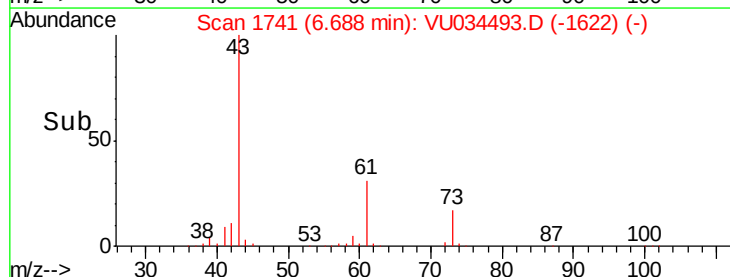
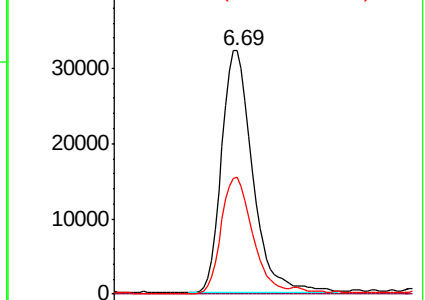
39 48.5 38.6 58.0

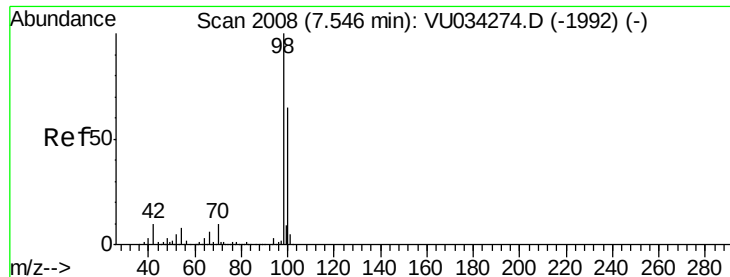


Abundance Ion 41.00 (40.70 to 41.70): VU034493.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034493.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034493.D (-1622) (-)

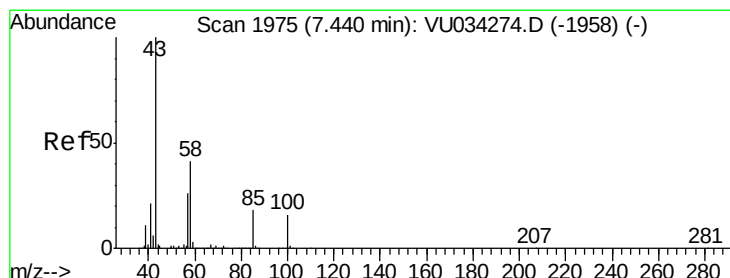
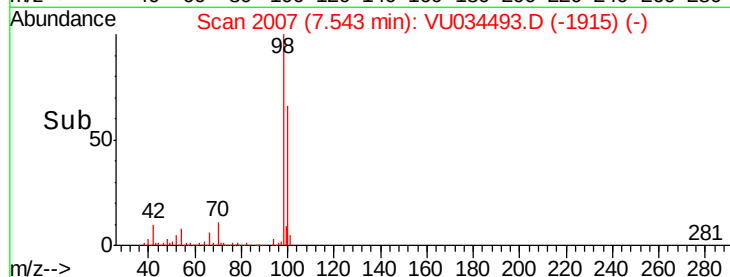
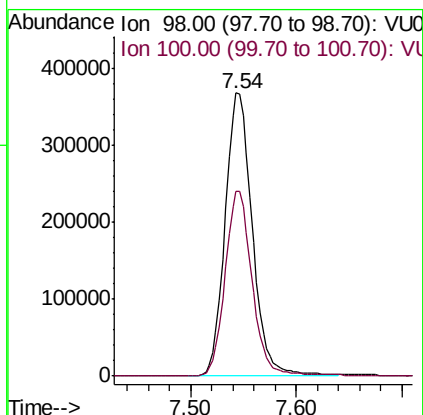
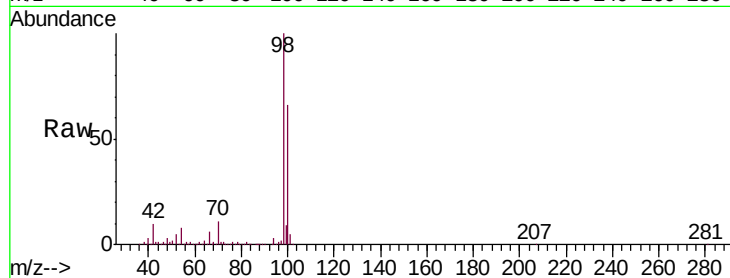




#50
Toluene-d8
Concen: 51.791 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

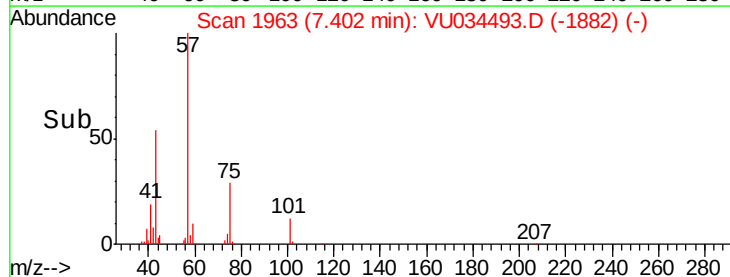
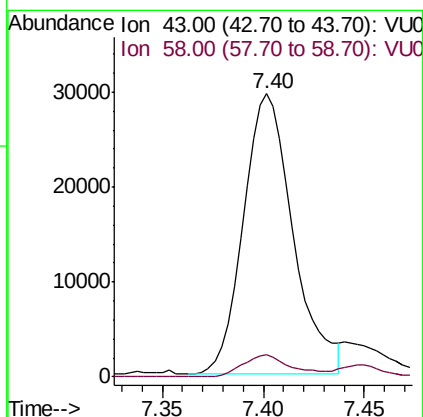
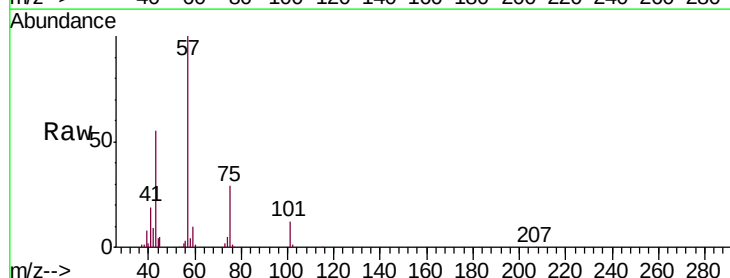
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(0)

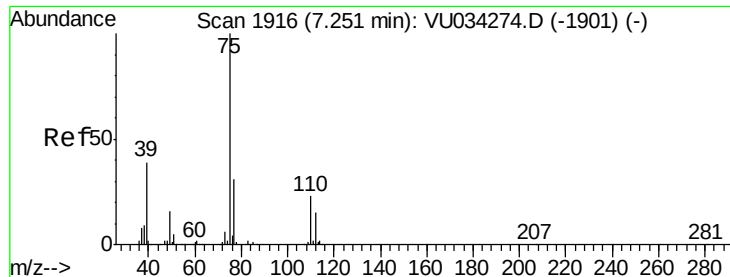
Tgt Ion: 98 Resp: 658793
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 10.063 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

Tgt Ion: 43 Resp: 50699
Ion Ratio Lower Upper
43 100
58 7.7 33.0 49.4#





#54

cis-1,3-Dichloropropene

Concen: 5.080 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(0)

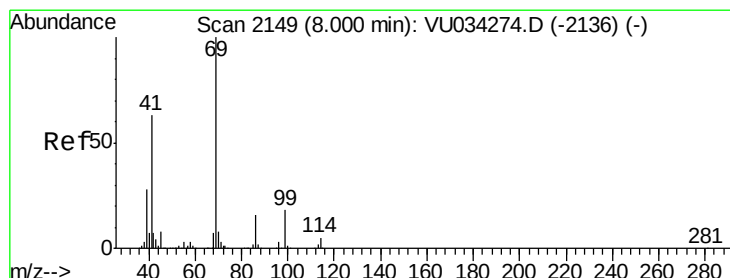
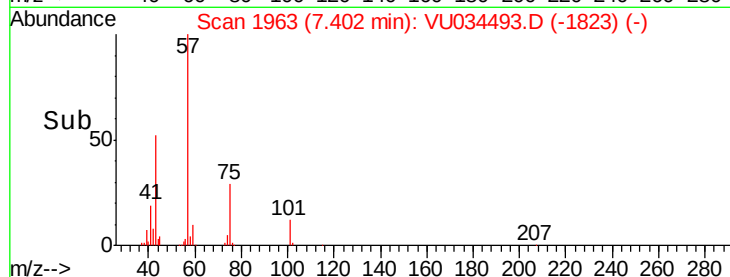
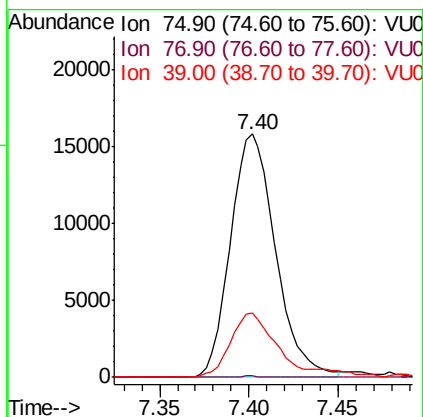
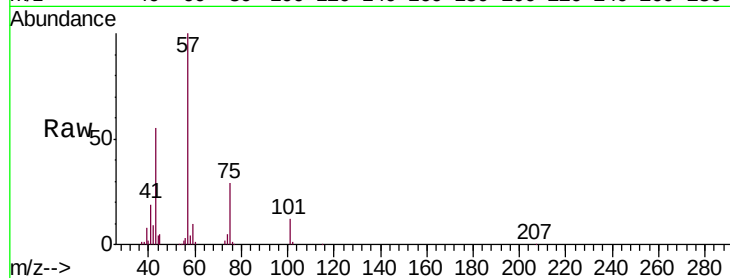
Tgt Ion: 75 Resp: 27797

Ion Ratio Lower Upper

75 100

77 0.8 25.1 37.7#

39 26.4 31.2 46.8#



#56

Ethyl methacrylate

Concen: 3.100 ug/l

RT: 7.97 min Scan# 2139

Delta R.T. -0.03 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

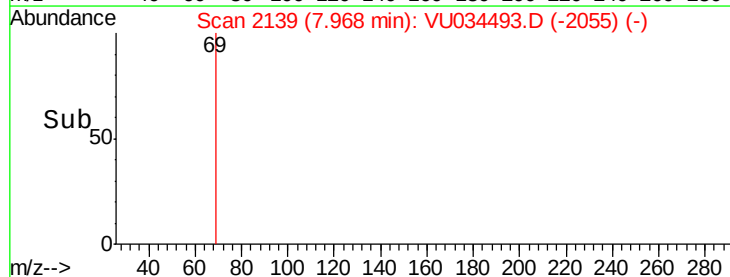
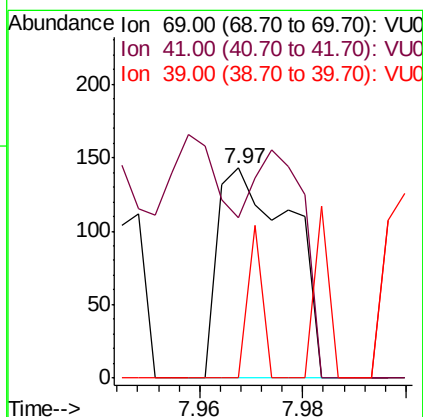
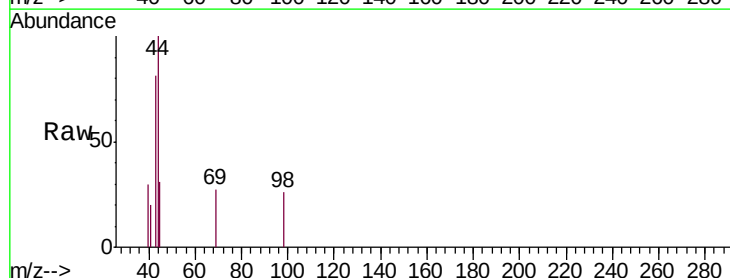
Tgt Ion: 69 Resp: 140

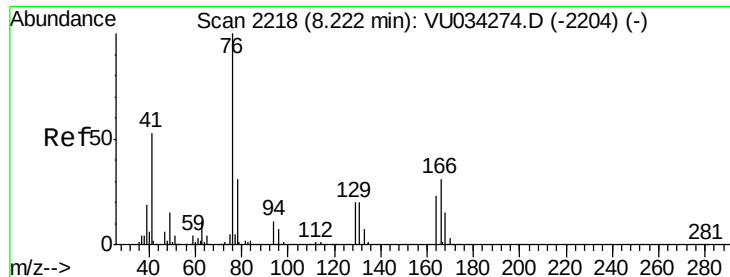
Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

39 0.0 22.5 33.7#

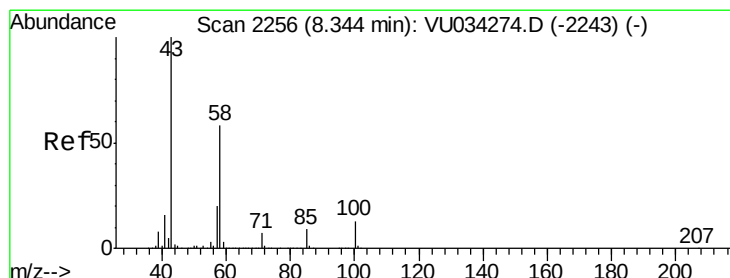
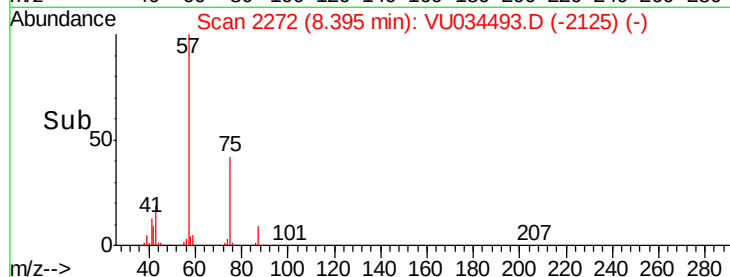
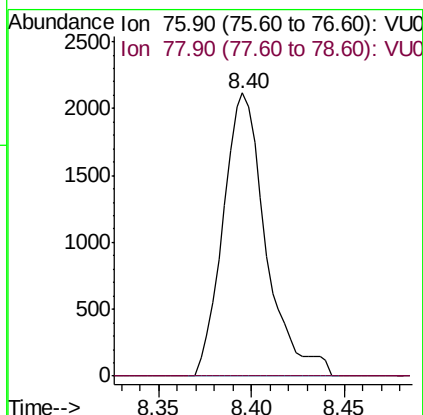
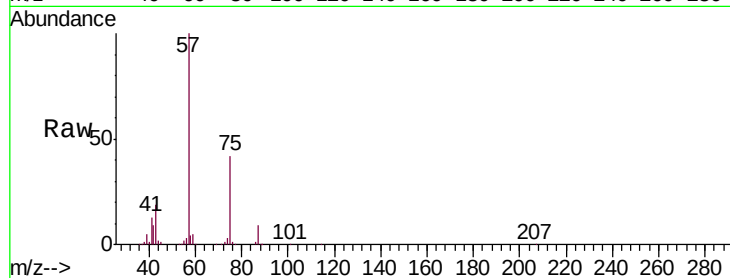




#57
 1,3-Dichloropropane
 Concen: 0.576 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.17 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

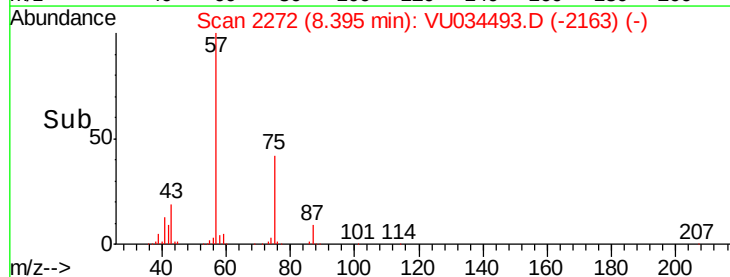
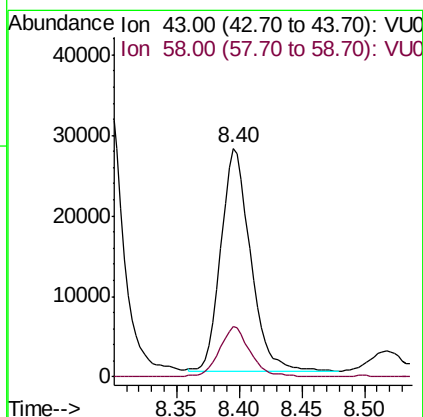
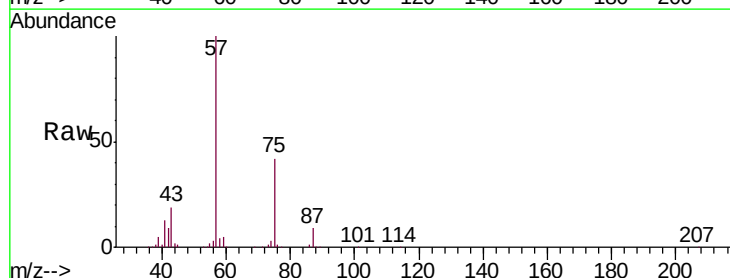
Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(0)

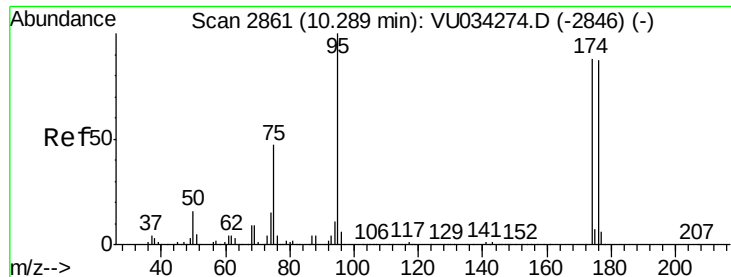
Tgt Ion: 76 Resp: 3400
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 12.045 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.05 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

Tgt Ion: 43 Resp: 45332
 Ion Ratio Lower Upper
 43 100
 58 23.6 28.8 86.5#

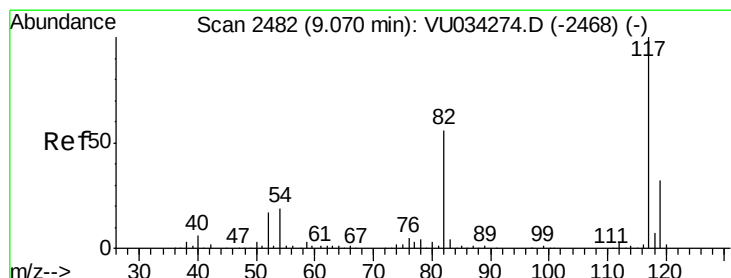
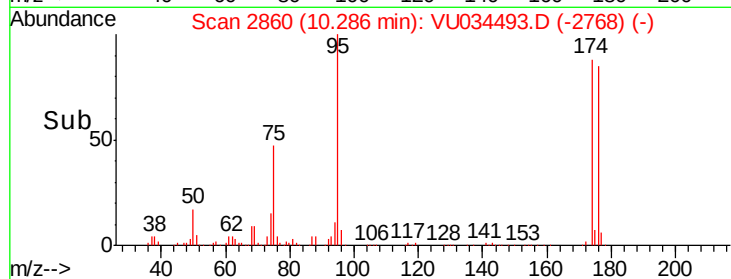
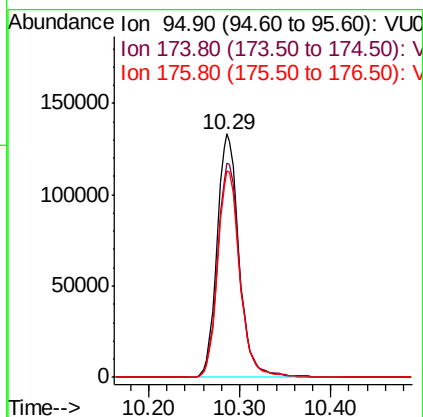
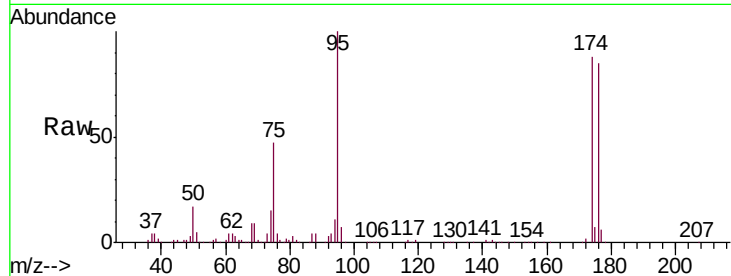




#62
4-Bromofluorobenzene
Concen: 45.573 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

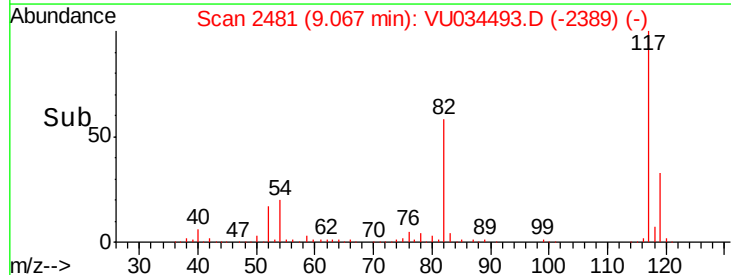
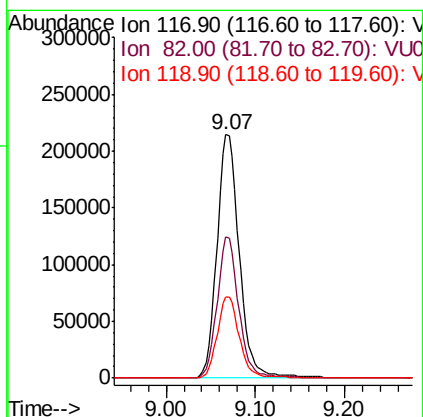
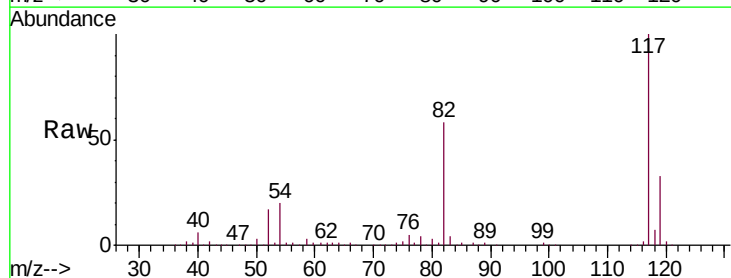
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(0)

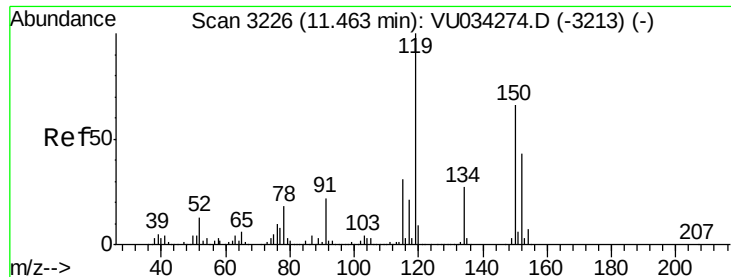
Tgt Ion: 95 Resp: 223820
Ion Ratio Lower Upper
95 100
174 89.6 0.0 175.2
176 85.2 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

Tgt Ion: 117 Resp: 373541
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 33.3 25.9 38.9



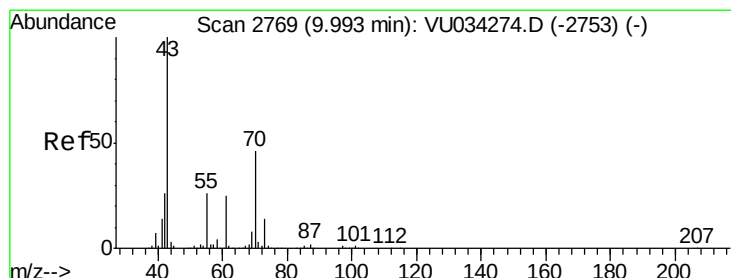
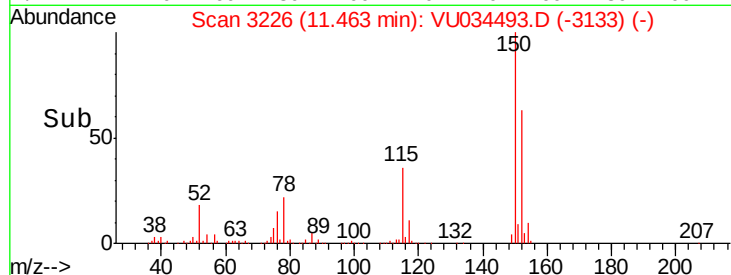
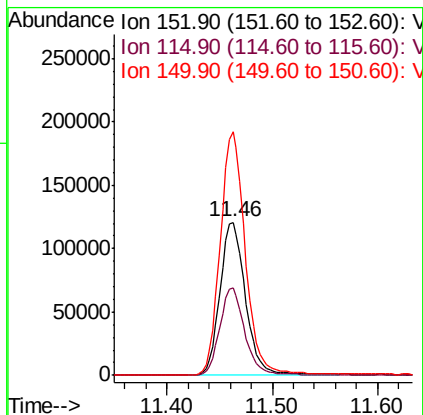
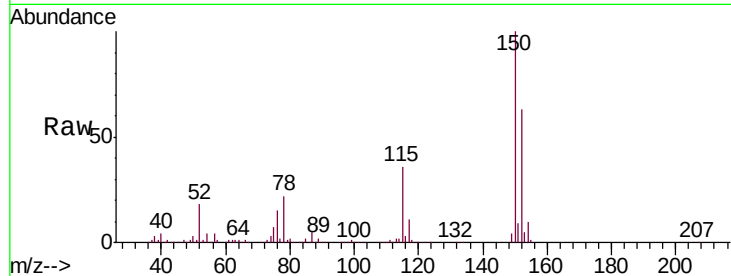


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(0)

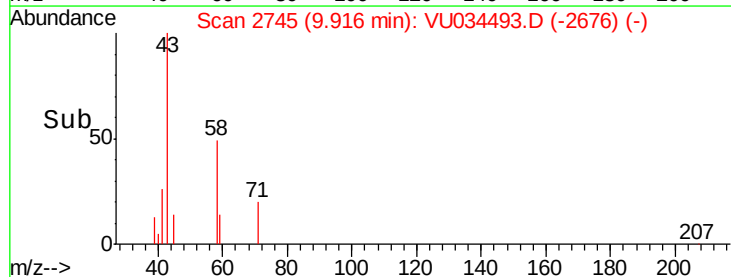
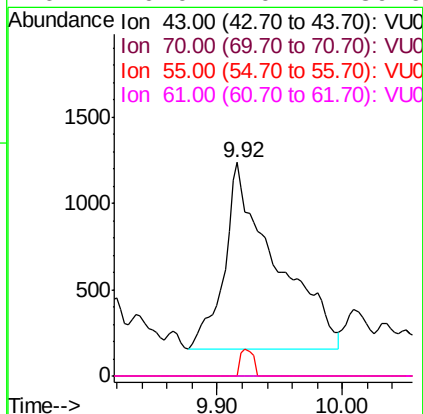
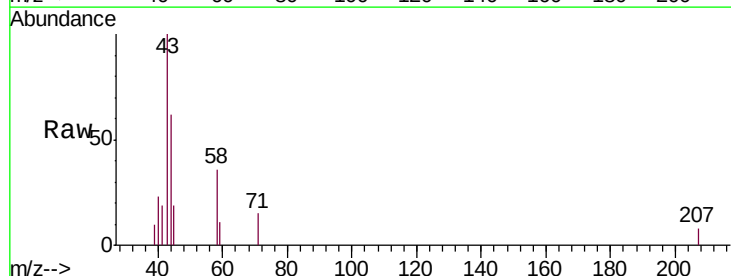
Tgt Ion:152 Resp: 203285
Ion Ratio Lower Upper
152 100
115 56.0 39.1 117.3
150 156.0 0.0 345.4

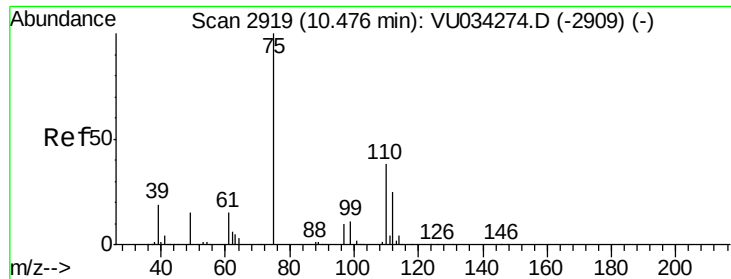


#74

N-ethyl acetate
Concen: 0.577 ug/l
RT: 9.92 min Scan# 2745
Delta R.T. -0.08 min
Lab File: VU034493.D
Acq: 11 Sep 2019 22:34

Tgt Ion: 43 Resp: 3070
Ion Ratio Lower Upper
43 100
70 0.0 36.4 54.6#
55 3.5 21.2 31.8#
61 0.0 20.4 30.6#





#76

1,2,3-Trichloropropane

Concen: 24.000 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

Instrument :

MSVOA_U

ClientSampleId :

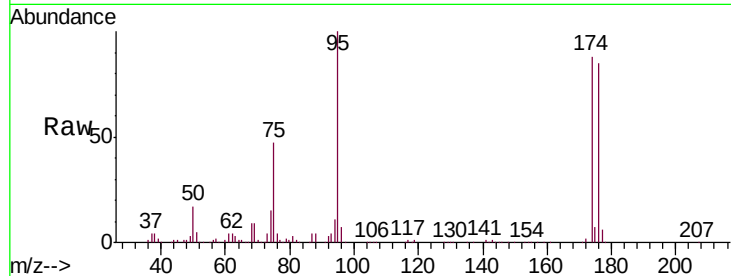
T-11-A2-(0)

Tgt Ion: 75 Resp: 106497

Ion Ratio Lower Upper

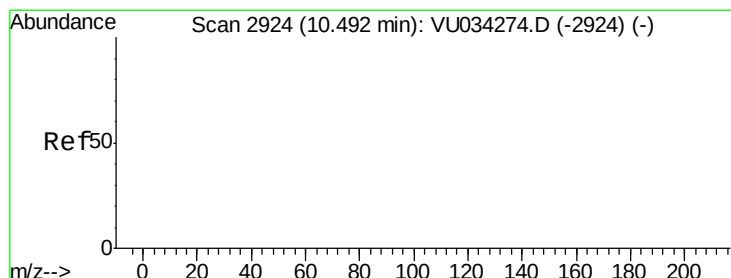
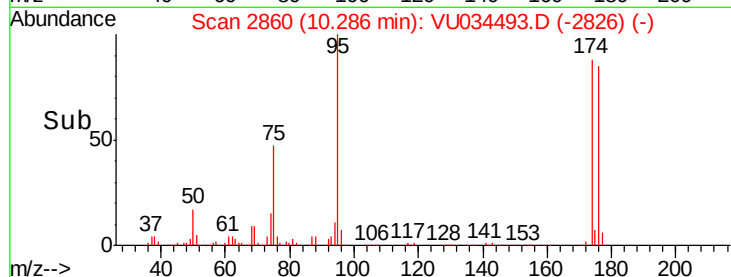
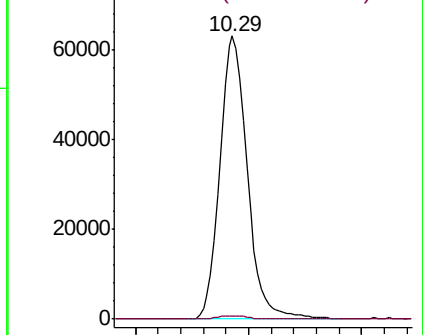
75 100

77 1.3 20.8 62.2#



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: 80.711 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034493.D

Acq: 11 Sep 2019 22:34

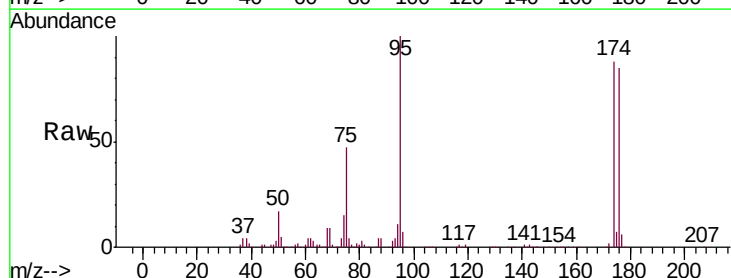
Tgt Ion: 75 Resp: 106497

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

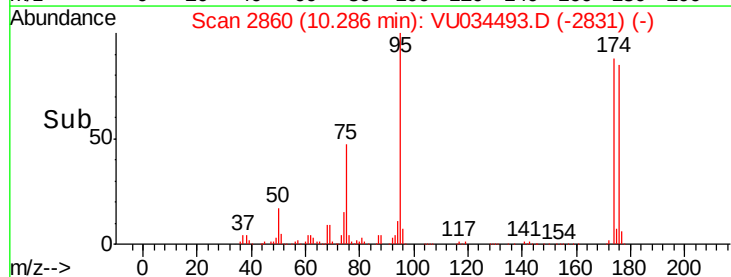
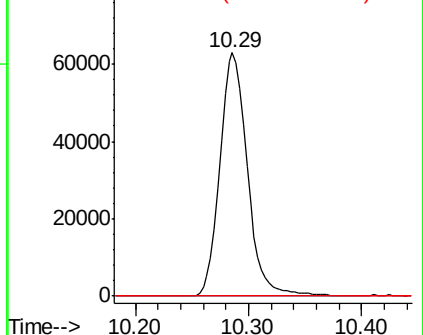
89 0.0 0.0 0.0

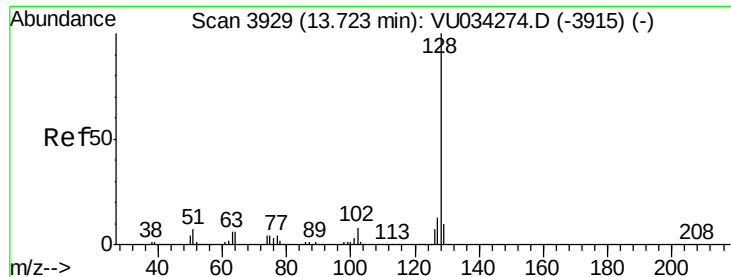


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

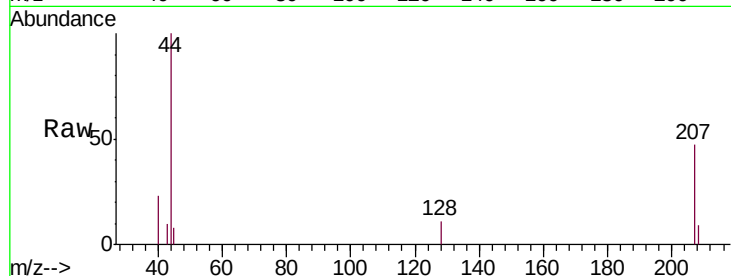




#95
 Naphthalene
 Concen: 3.971 ug/l
 RT: 13.86 min Scan# 3971
 Delta R.T. 0.13 min
 Lab File: VU034493.D
 Acq: 11 Sep 2019 22:34

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
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

