

Data File : VU034422.D
Acq On : 09 Sep 2019 10:53
Operator : JC/SP
Sample : K4601-37
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

Quant Time: Sep 10 05:35:32 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	257659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	390585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	416800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	221034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	215182	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
35) Dibromofluoromethane	4.86	113	189821	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	7.54	98	699405	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	10.29	95	229173	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds

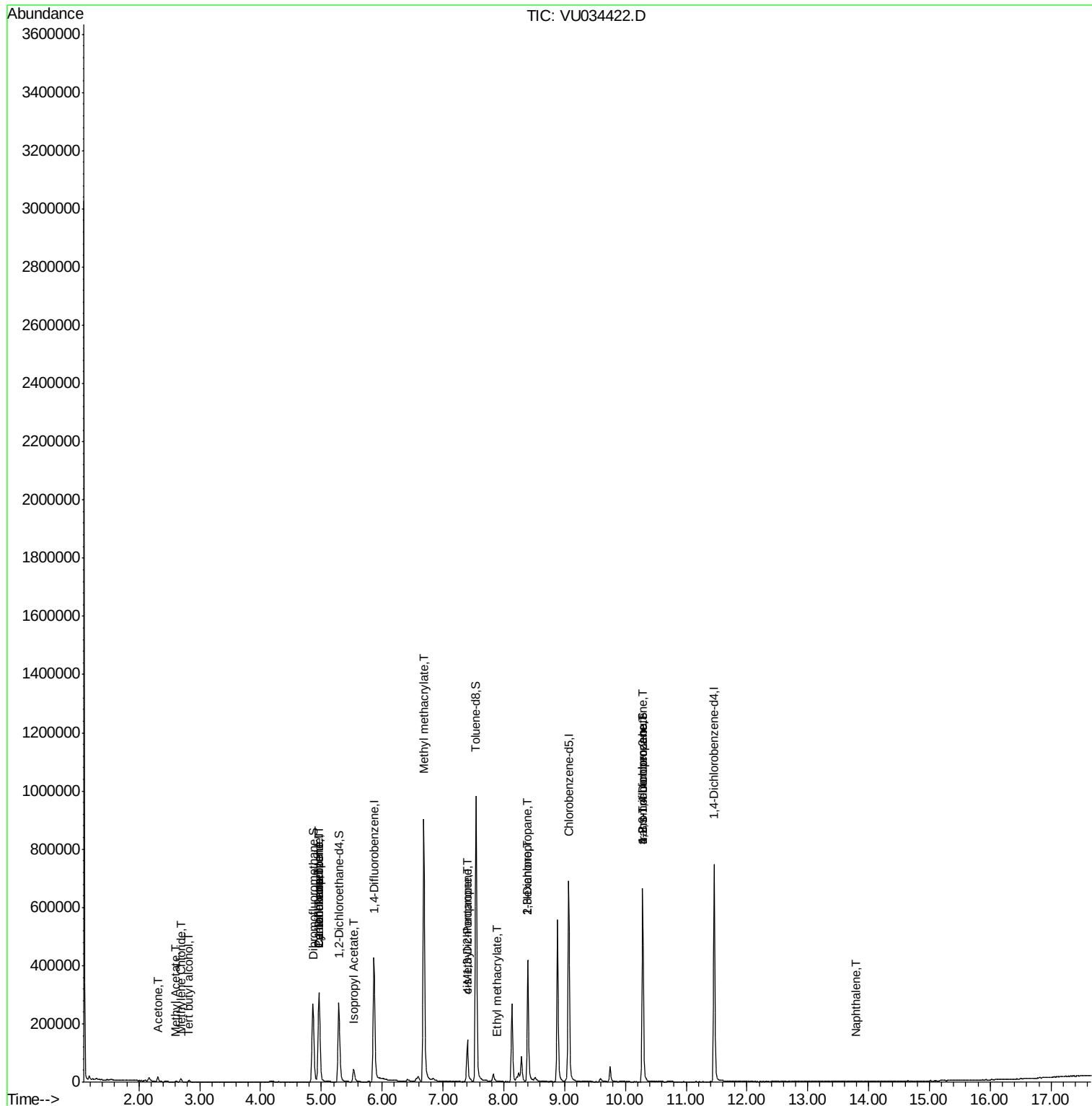
						Qvalue
5) Bromomethane	1.59	94	19	Below Cal	#	2
6) Chloroethane	1.67	64	91	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	3110	3.776	ug/l #	73
16) Acetone	2.31	43	16843	8.349	ug/l	97
18) Methyl Acetate	2.61	43	4014	0.818	ug/l #	80
20) Methylene Chloride	2.69	84	4847	1.076	ug/l	89
31) Cyclohexane	4.96	56	4284	0.938	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17049	4.025	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22584	4.993	ug/l #	16
43) Isopropyl Acetate	5.53	43	52290	6.693	ug/l	98
48) Methyl methacrylate	6.68	41	80861	21.791	ug/l #	36
51) 4-Methyl-2-Pentanone	7.40	43	54404	10.060	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	27463	4.675	ug/l #	66
56) Ethyl methacrylate	7.90	69	83	3.090	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	4756	0.750	ug/l #	43
59) 2-Hexanone	8.40	43	56676	14.028	ug/l #	55
76) 1,2,3-Trichloropropane	10.29	75	105107	21.785	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	105107	73.261	ug/l #	100
95) Naphthalene	13.78	128	157	3.976	ug/l #	69

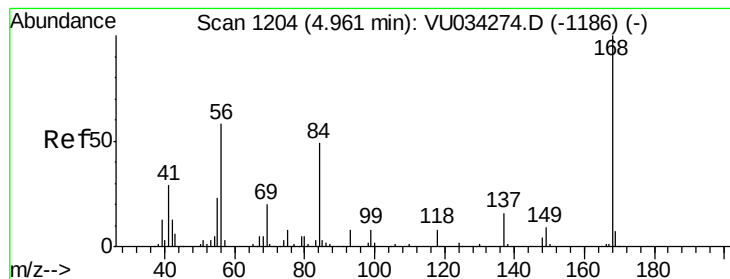
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

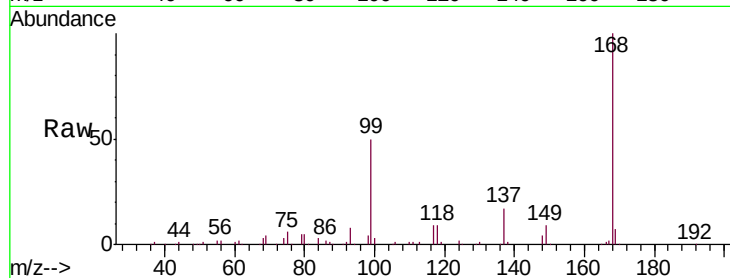
T12-F3-(2.7)

Tgt Ion:168 Resp: 257659

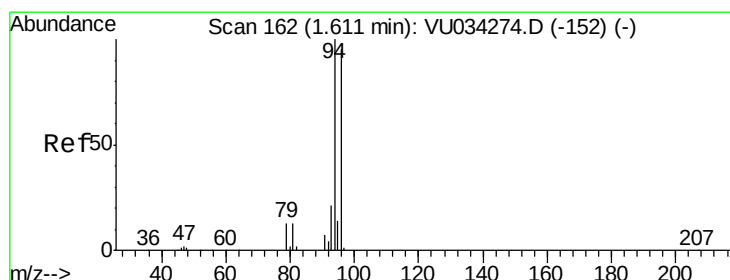
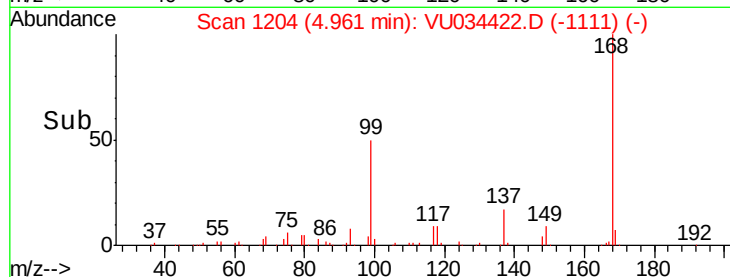
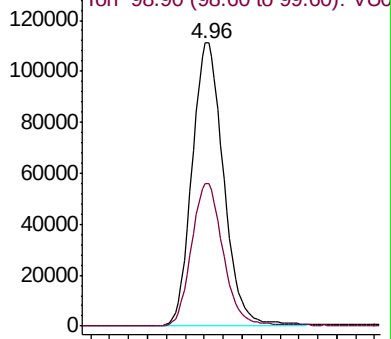
Ion Ratio Lower Upper

168 100

99 50.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU034422.D

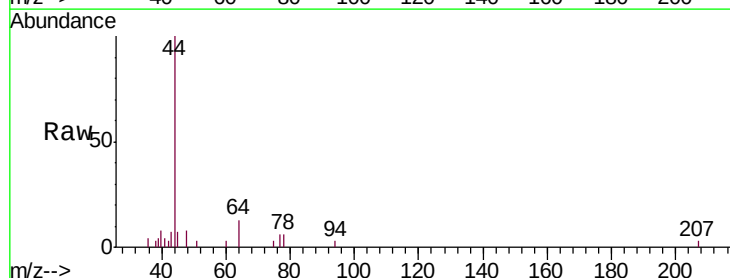
Acq: 09 Sep 2019 10:53

Tgt Ion: 94 Resp: 19

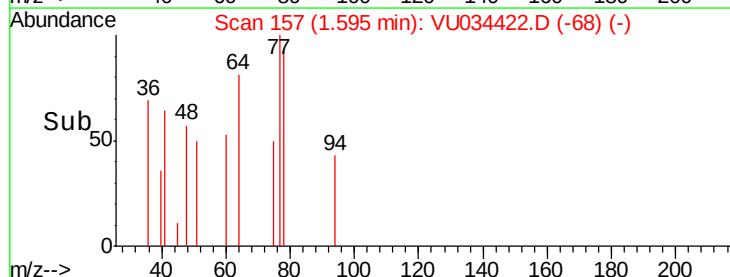
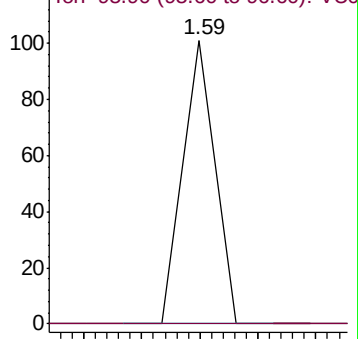
Ion Ratio Lower Upper

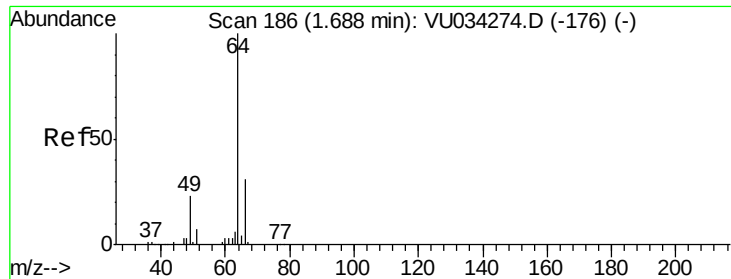
94 100

96 0.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

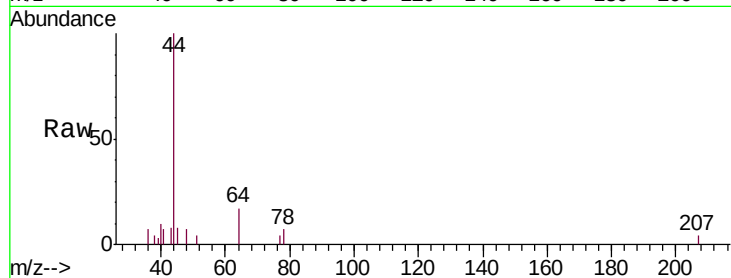
T12-F3-(2.7)

Tgt Ion: 64 Resp: 91

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034422.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034422.D (-176) (-)

1.67

600

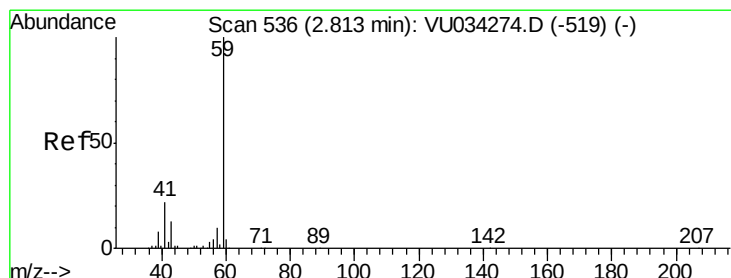
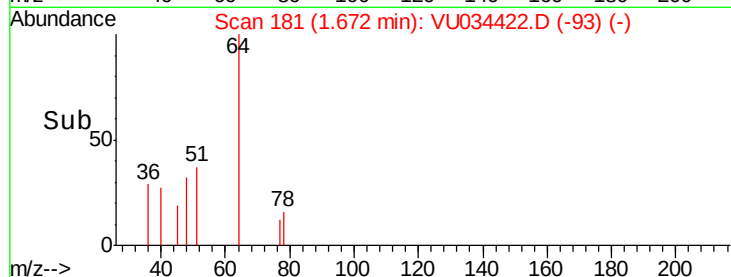
400

200

0

1.66 1.67 1.68 1.69

Time-->



#11

Tert butyl alcohol

Concen: 3.776 ug/l

RT: 2.82 min Scan# 538

Delta R.T. 0.01 min

Lab File: VU034422.D

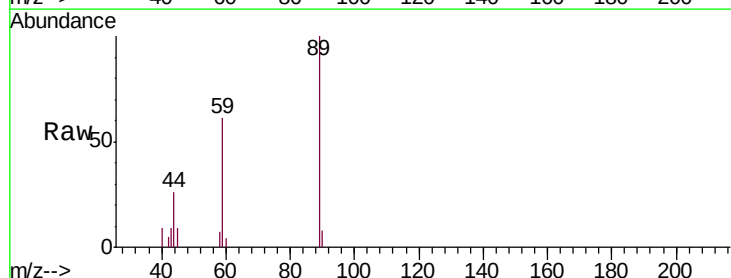
Acq: 09 Sep 2019 10:53

Tgt Ion: 59 Resp: 3110

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034422.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034422.D (-519) (-)

2.82

1500

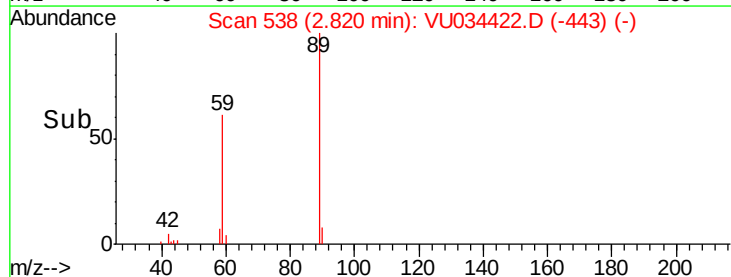
1000

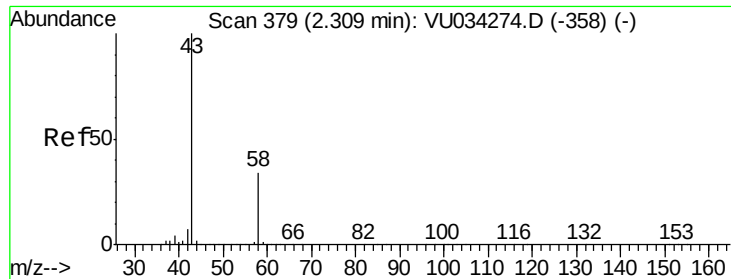
500

0

2.75 2.80 2.85

Time-->





#16

Acetone

Concen: 8.349 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

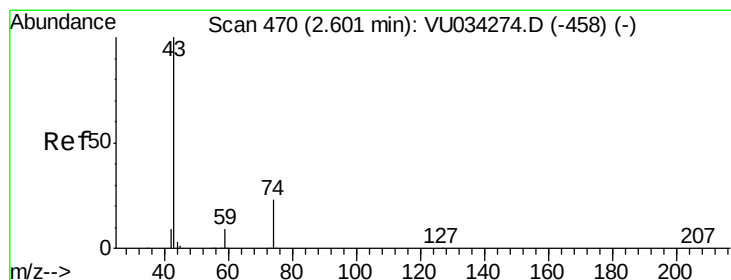
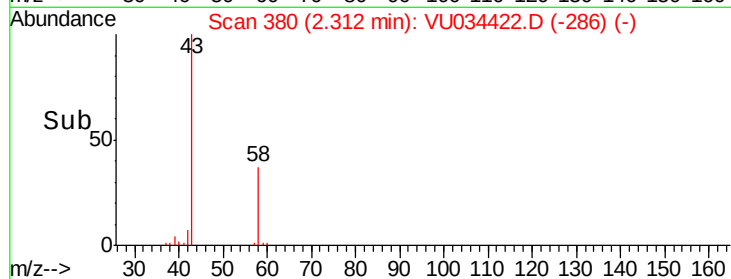
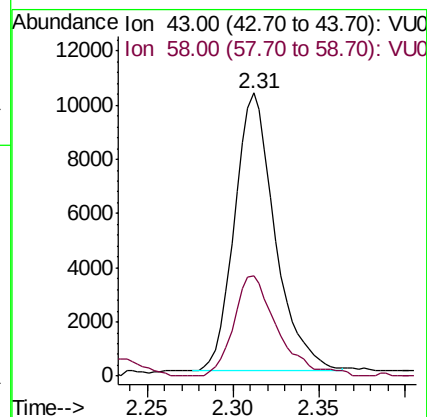
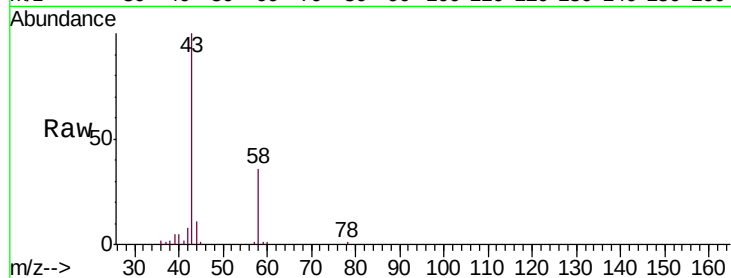
T12-F3-(2.7)

Tgt Ion: 43 Resp: 16843

Ion Ratio Lower Upper

43 100

58 36.2 27.6 41.4



#18

Methyl Acetate

Concen: 0.818 ug/l

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034422.D

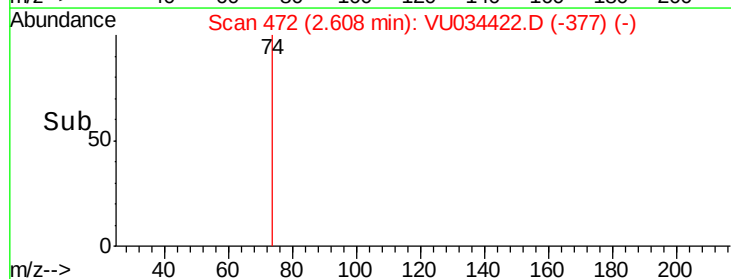
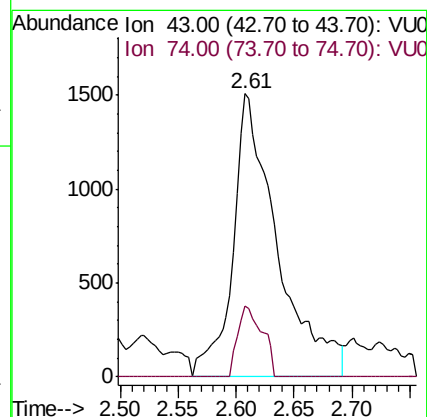
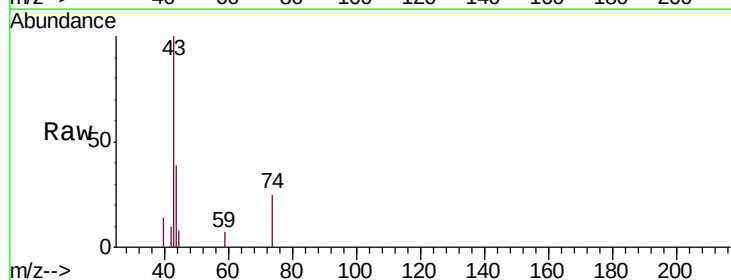
Acq: 09 Sep 2019 10:53

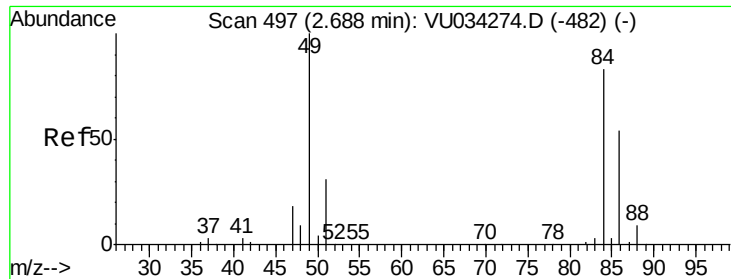
Tgt Ion: 43 Resp: 4014

Ion Ratio Lower Upper

43 100

74 13.8 18.9 28.3#

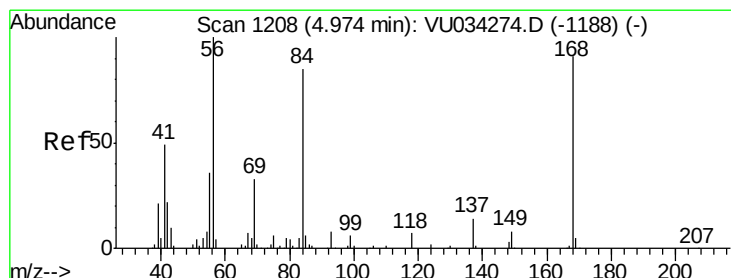
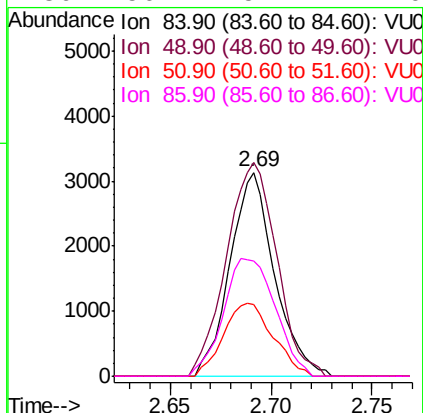
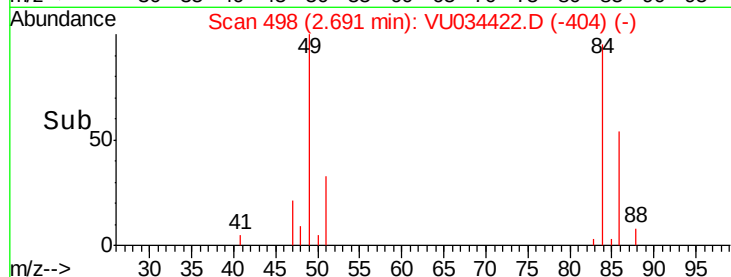
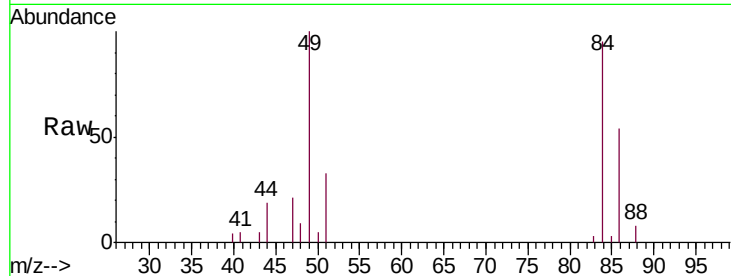




#20
Methylene Chloride
Concen: 1.076 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

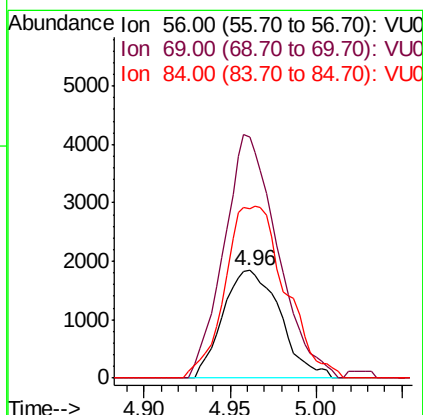
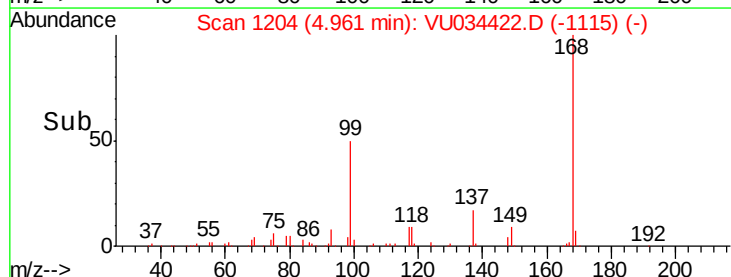
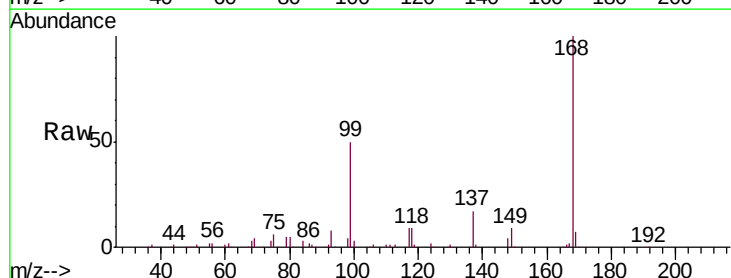
Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

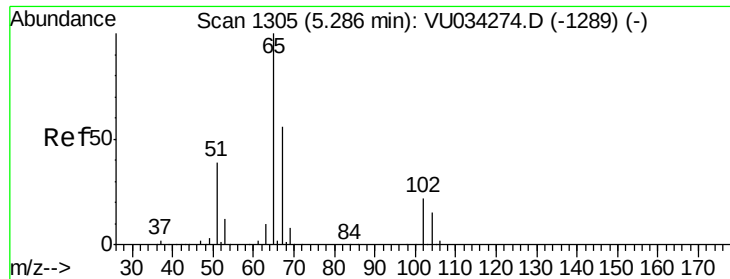
Tgt Ion:	84	Resp:	4847
Ion	Ratio	Lower	Upper
84	100		
49	104.9	96.0	144.0
51	35.0	30.0	45.0
86	56.4	51.4	77.0



#31
Cyclohexane
Concen: 0.938 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Tgt Ion:	56	Resp:	4284
Ion	Ratio	Lower	Upper
56	100		
69	223.9	26.7	40.1#
84	151.8	68.2	102.4#

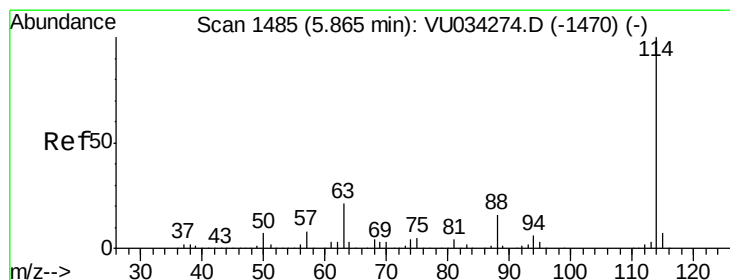
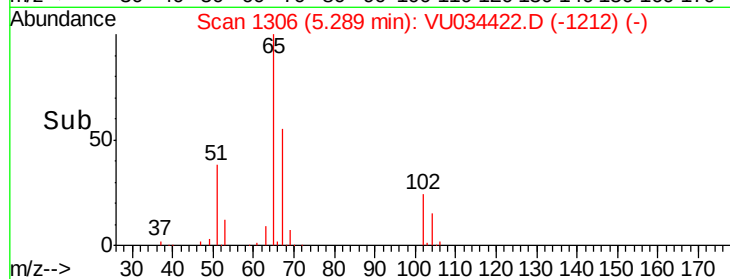
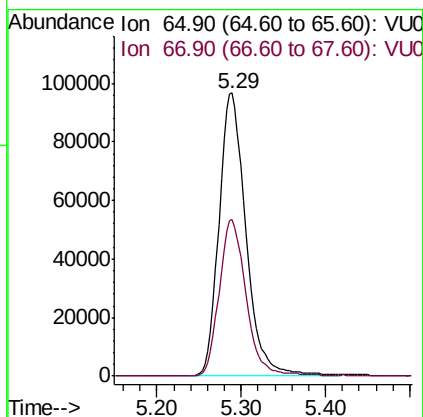
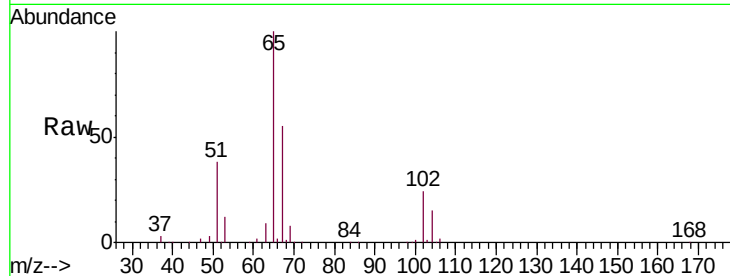




#33
 1,2-Dichloroethane-d4
 Concen: 55.197 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

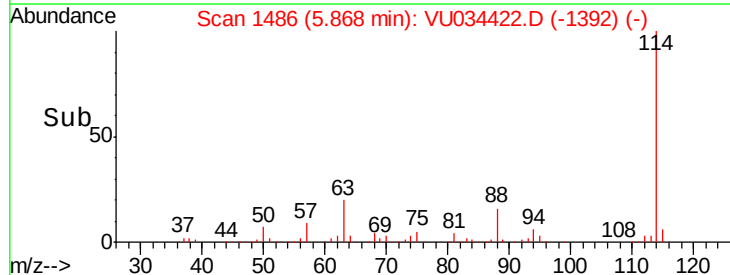
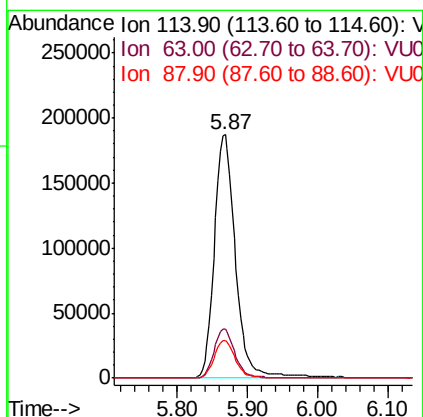
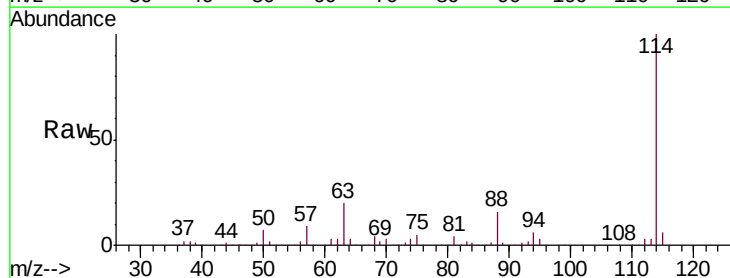
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F3-(2.7)

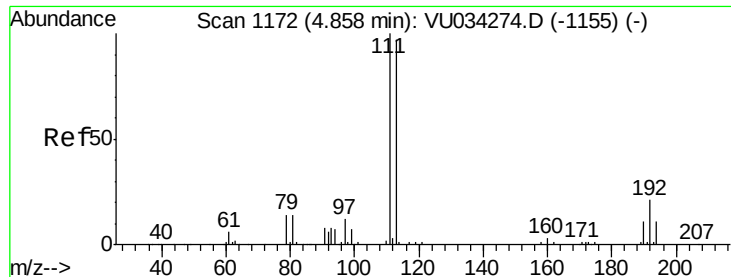
Tgt Ion: 65 Resp: 215182
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

Tgt Ion: 114 Resp: 390585
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 15.6 0.0 32.4

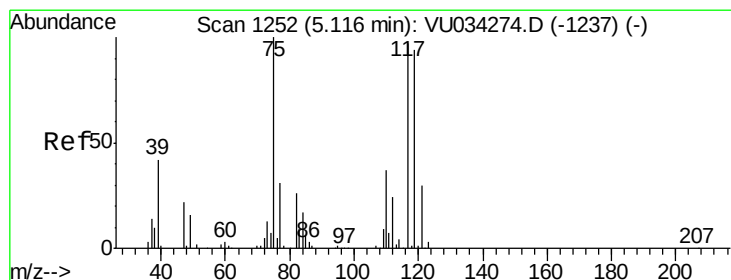
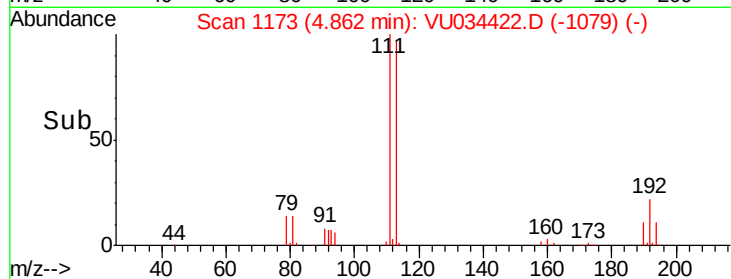
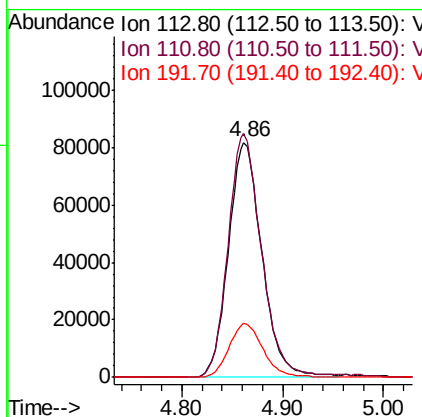
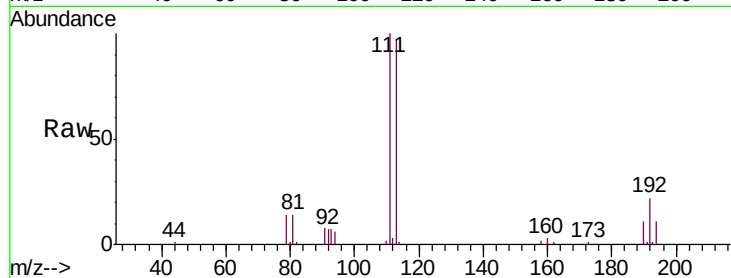




#35
 Dibromofluoromethane
 Concen: 52.229 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

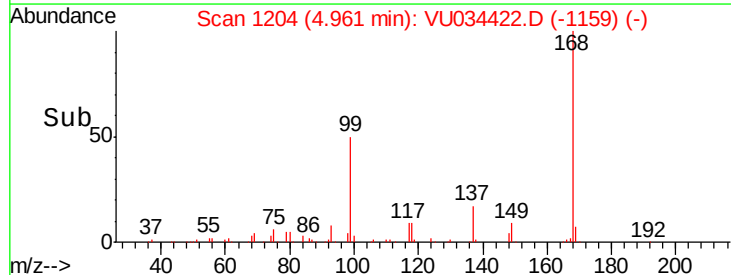
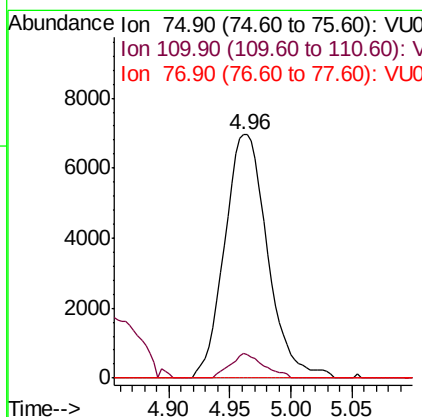
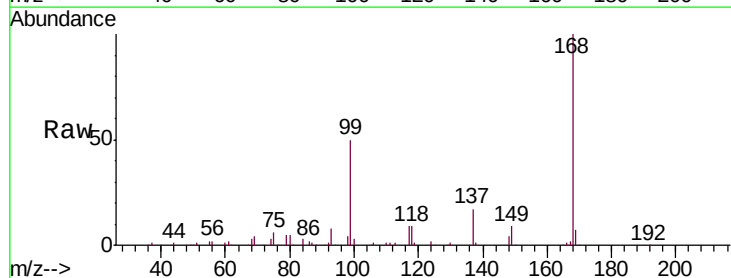
Instrument :
 MSVOA_U
 ClientSampled :
 T12-F3-(2.7)

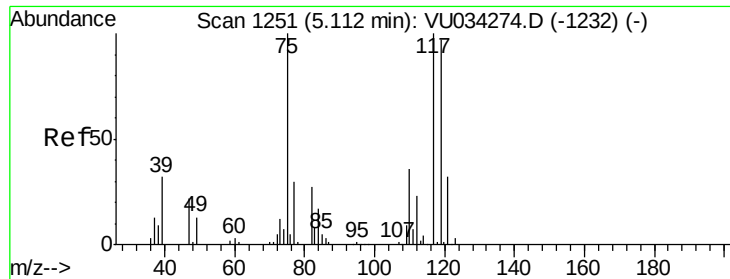
Tgt Ion: 113 Resp: 189821
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 23.1 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.025 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

Tgt Ion: 75 Resp: 17049
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.3 54.9#
 77 0.0 24.9 37.3#

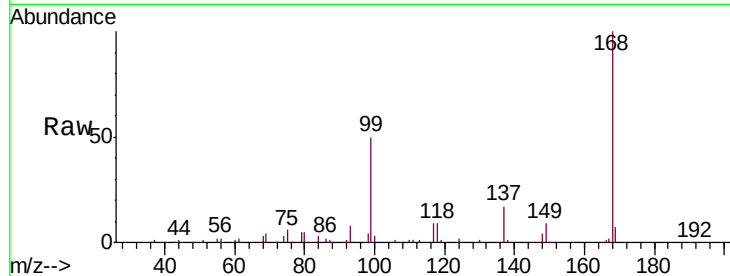




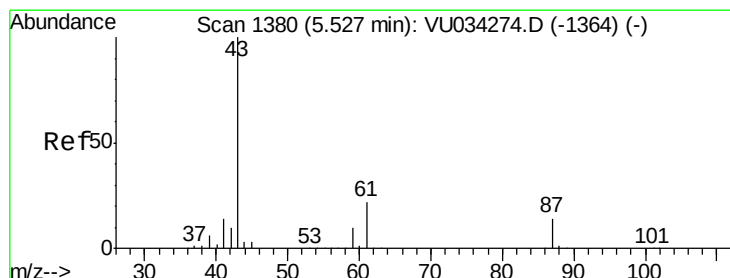
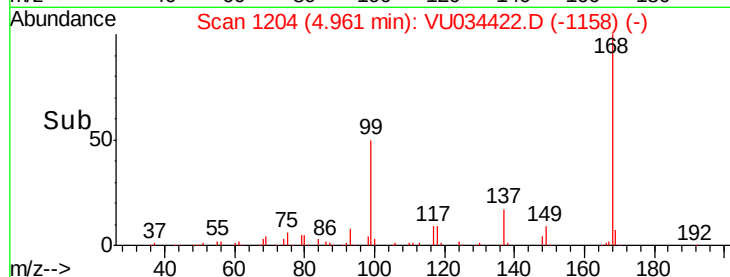
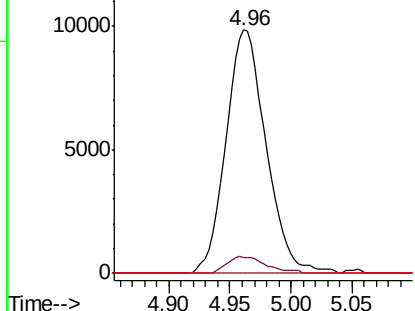
#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

Tgt Ion: 117 Resp: 22584
Ion Ratio Lower Upper
117 100
119 6.4 77.8 116.6#
121 0.0 25.2 37.8#

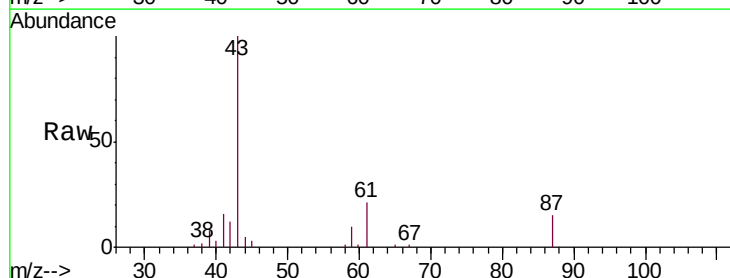


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

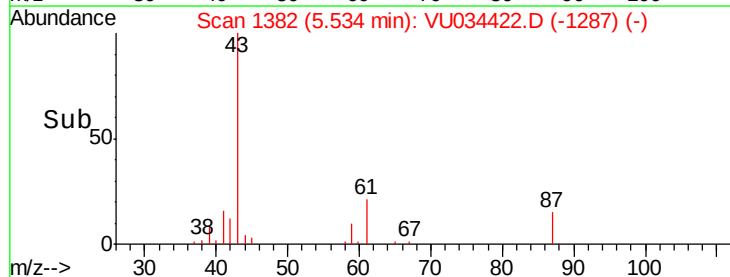
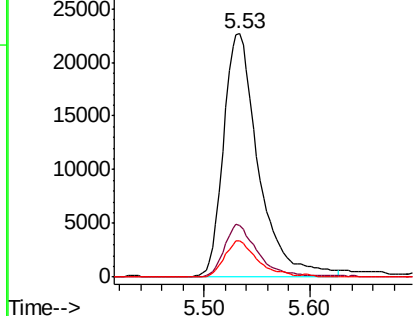


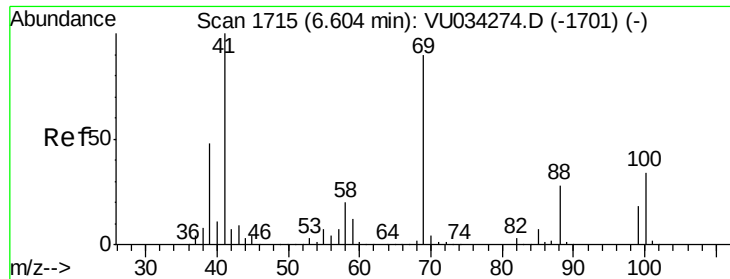
#43
Isopropyl Acetate
Concen: 6.693 ug/l
RT: 5.53 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Tgt Ion: 43 Resp: 52290
Ion Ratio Lower Upper
43 100
61 20.3 17.1 25.7
87 14.0 11.1 16.7



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

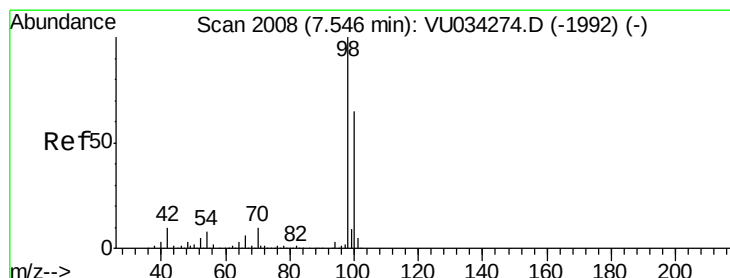
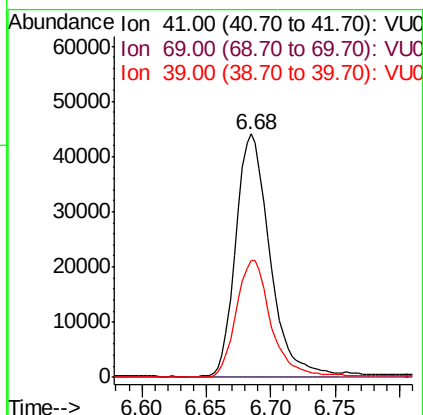
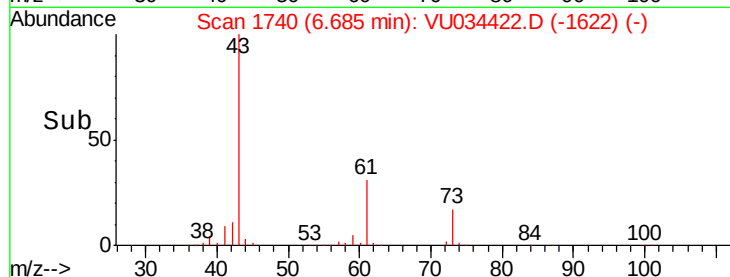
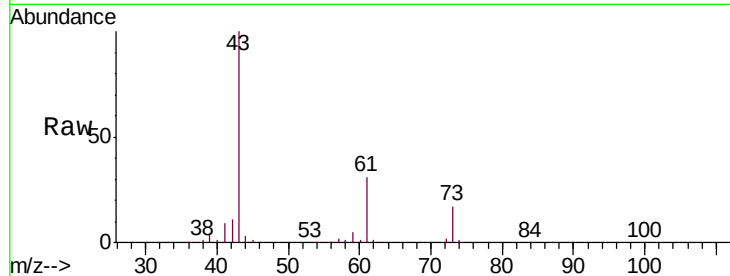




#48
Methyl methacrylate
Concen: 21.791 ug/l
RT: 6.68 min Scan# 1740
Delta R.T. 0.08 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

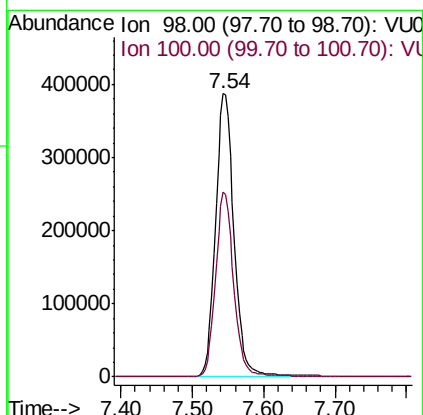
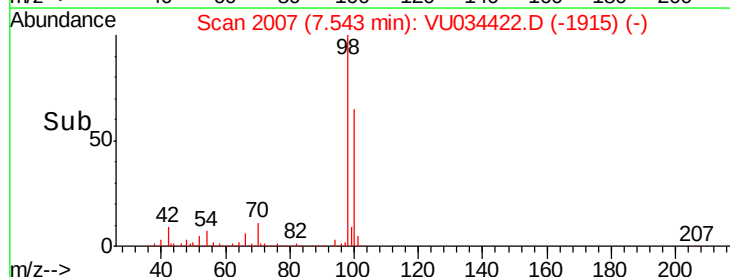
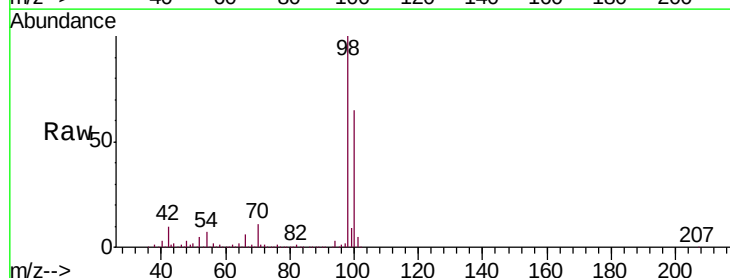
Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

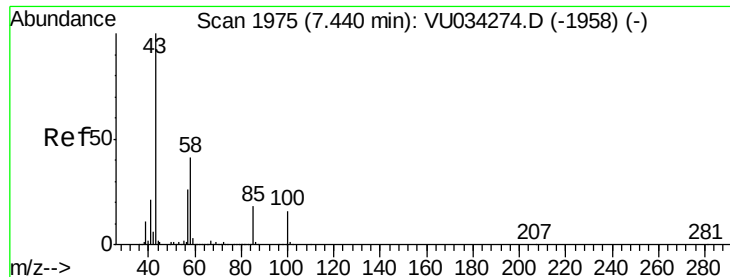
Tgt Ion: 41 Resp: 80861
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 50.2 38.6 58.0



#50
Toluene-d8
Concen: 51.221 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Tgt Ion: 98 Resp: 699405
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

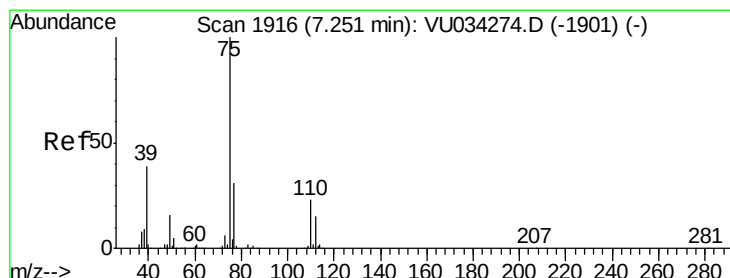
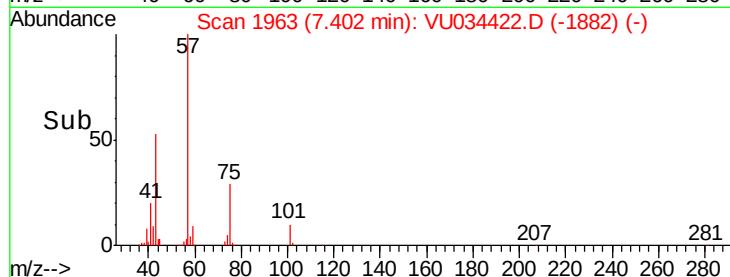
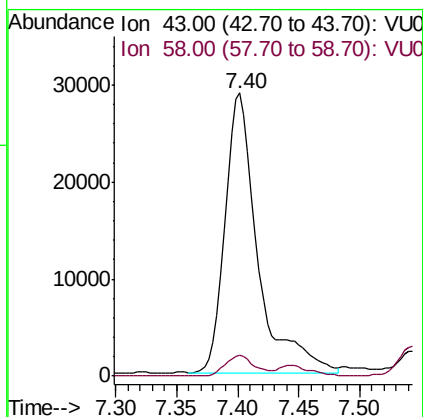
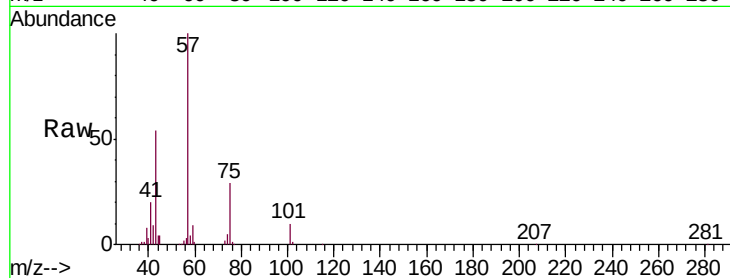




#51
 4-Methyl-2-Pentanone
 Concen: 10.060 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

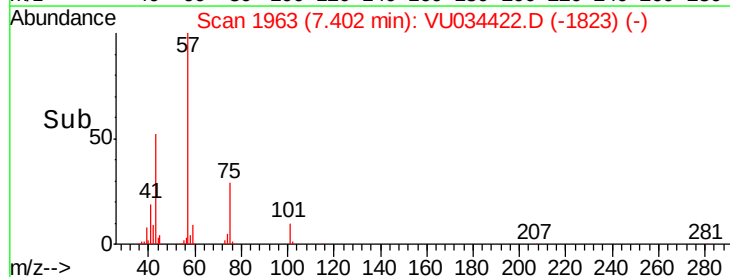
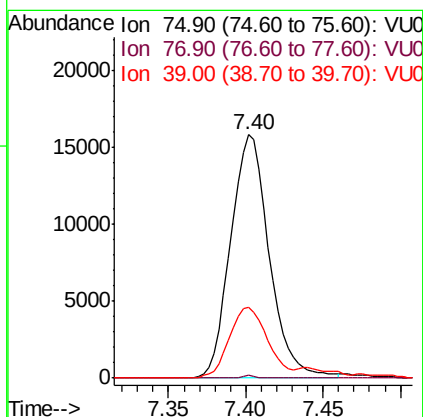
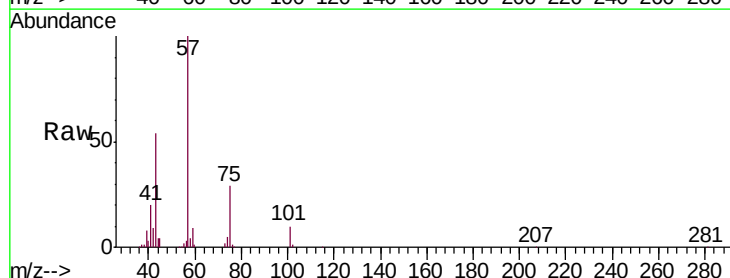
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F3-(2.7)

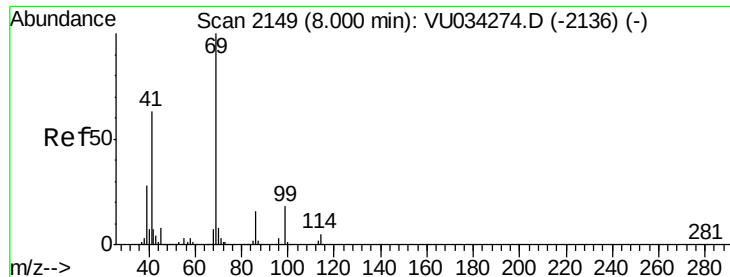
Tgt Ion: 43 Resp: 54404
 Ion Ratio Lower Upper
 43 100
 58 6.6 33.0 49.4#



#54
 cis-1,3-Dichloropropene
 Concen: 4.675 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034422.D
 Acq: 09 Sep 2019 10:53

Tgt Ion: 75 Resp: 27463
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.1 37.7#
 39 28.9 31.2 46.8#





#56

Ethyl methacrylate

Concen: 3.090 ug/l

RT: 7.90 min Scan# 2119

Delta R.T. -0.10 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

T12-F3-(2.7)

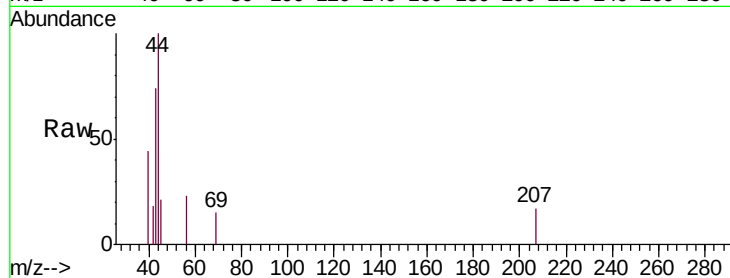
Tgt Ion: 69 Resp: 83

Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

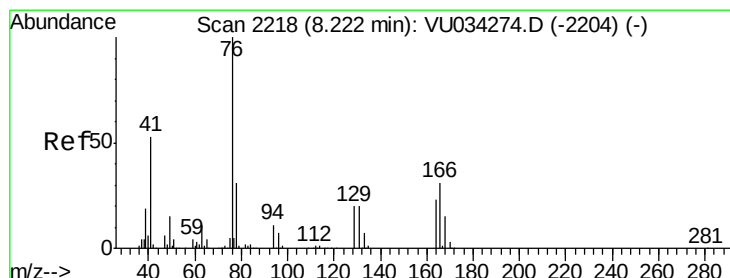
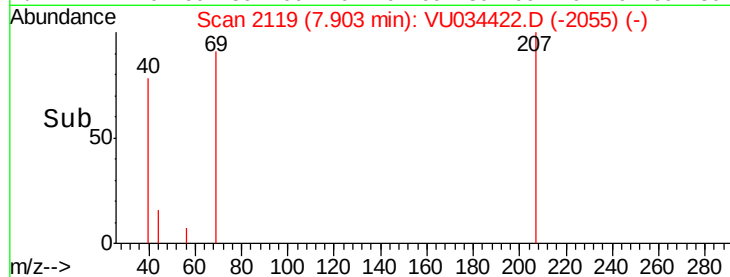
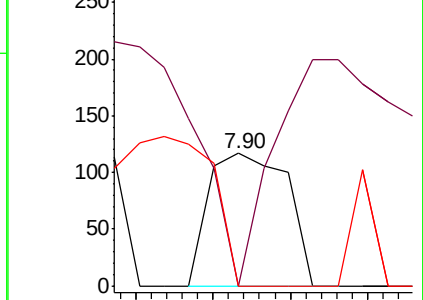
39 0.0 22.5 33.7#



Abundance Ion 69.00 (68.70 to 69.70): VU034422.D (-2119) (-)

Ion 41.00 (40.70 to 41.70): VU034422.D (-2119) (-)

Ion 39.00 (38.70 to 39.70): VU034422.D (-2119) (-)



#57

1,3-Dichloropropane

Concen: 0.750 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034422.D

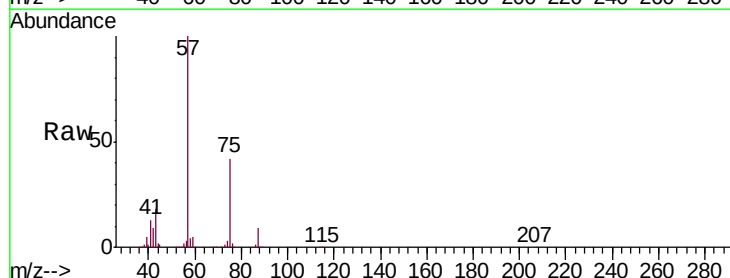
Acq: 09 Sep 2019 10:53

Tgt Ion: 76 Resp: 4756

Ion Ratio Lower Upper

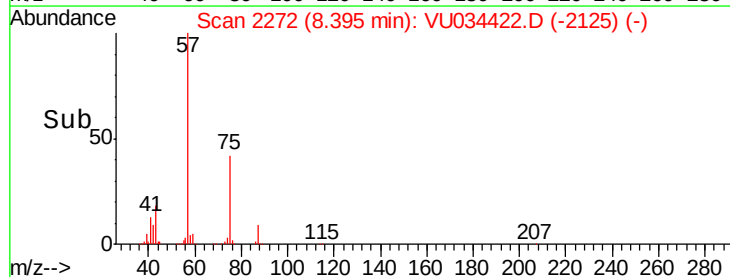
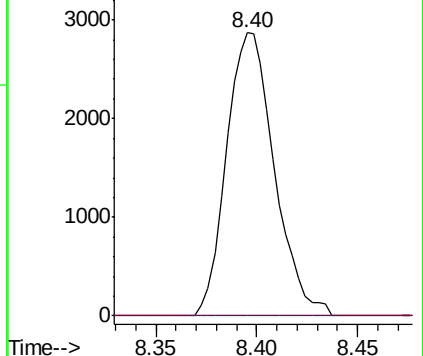
76 100

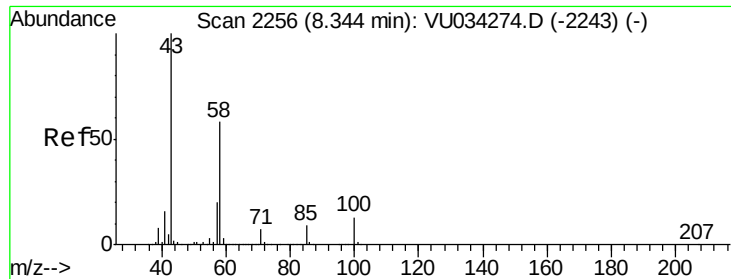
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU034422.D (-2272) (-)

Ion 77.90 (77.60 to 78.60): VU034422.D (-2272) (-)

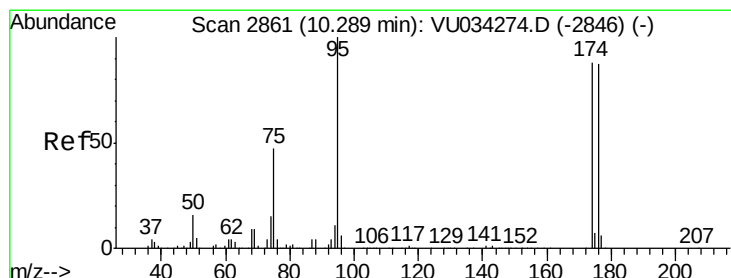
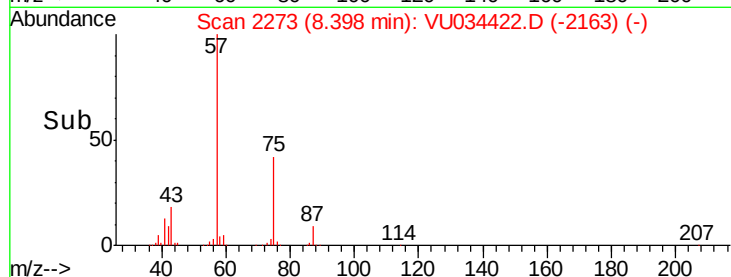
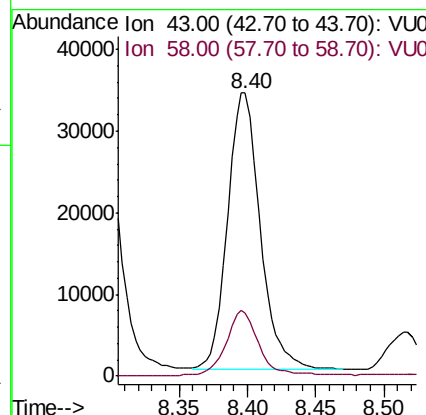
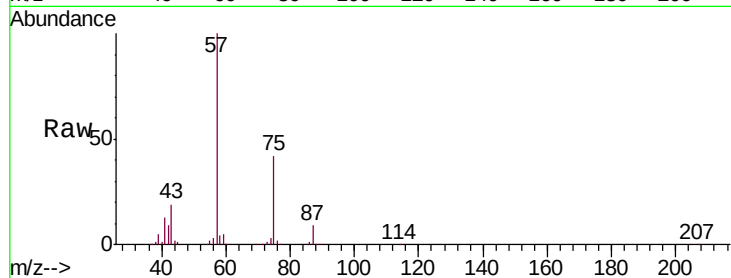




#59
2-Hexanone
Concen: 14.028 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

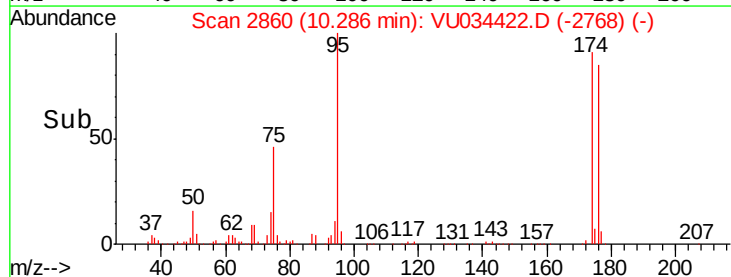
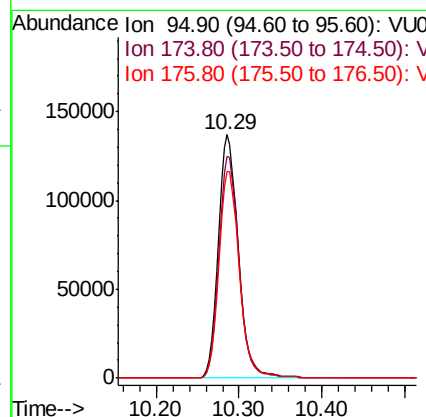
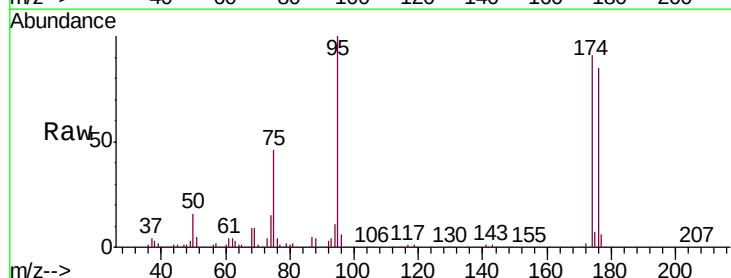
Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

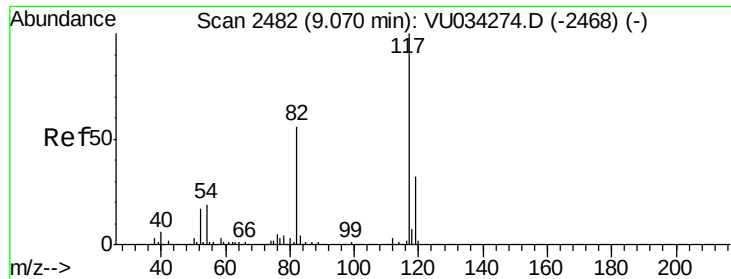
Tgt Ion: 43 Resp: 56676
Ion Ratio Lower Upper
43 100
58 24.6 28.8 86.5#



#62
4-Bromofluorobenzene
Concen: 43.470 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Tgt Ion: 95 Resp: 229173
Ion Ratio Lower Upper
95 100
174 92.3 0.0 175.2
176 86.1 0.0 168.0

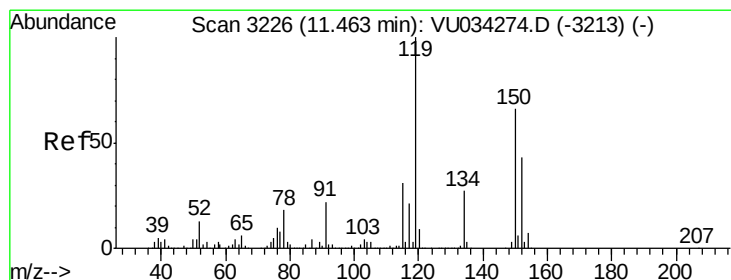
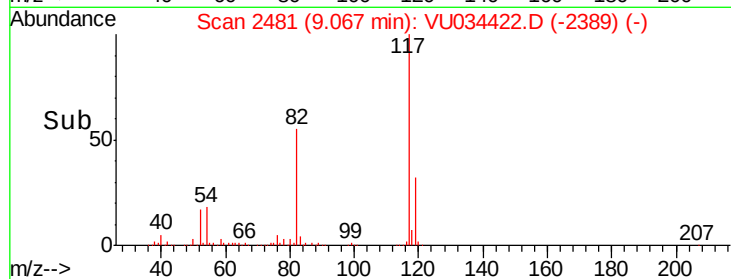
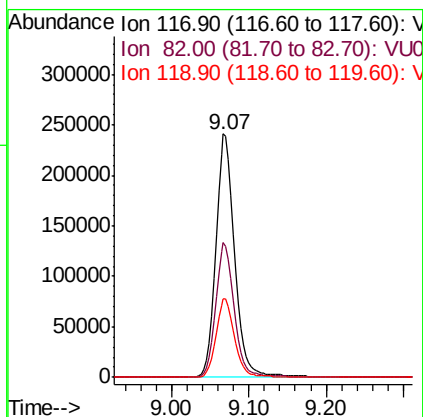
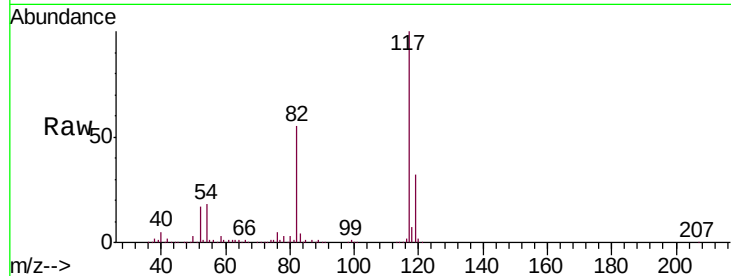




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

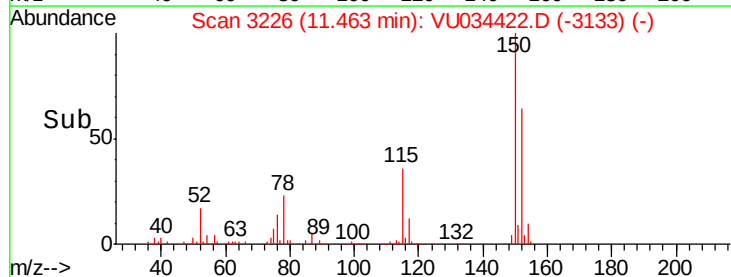
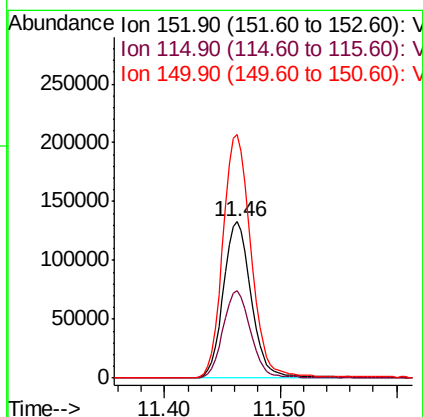
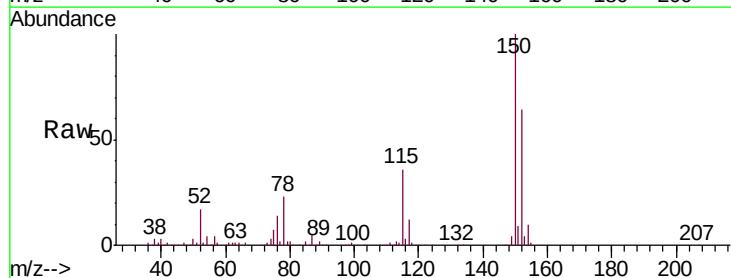
Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

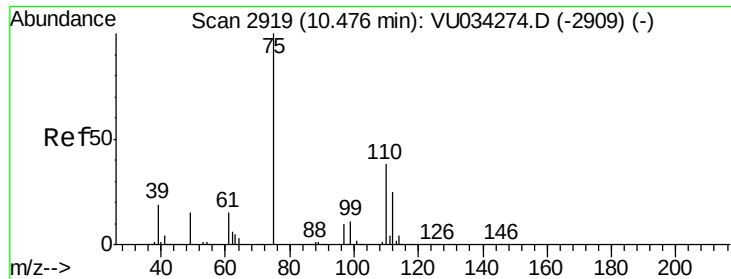
Tgt Ion:117 Resp: 416800
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Tgt Ion:152 Resp: 221034
Ion Ratio Lower Upper
152 100
115 55.6 39.1 117.3
150 157.6 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 21.785 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

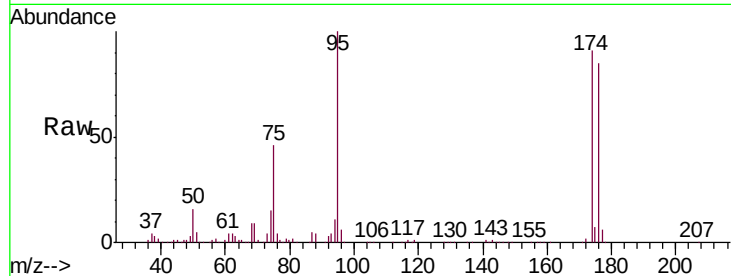
T12-F3-(2.7)

Tgt Ion: 75 Resp: 105107

Ion Ratio Lower Upper

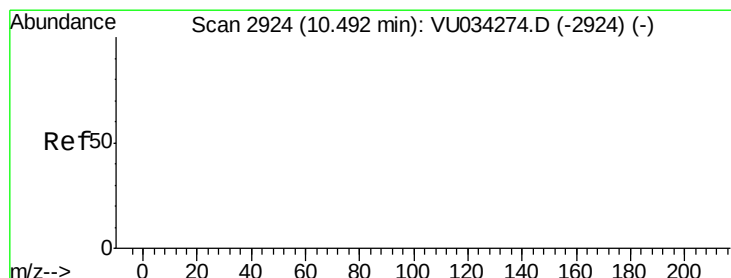
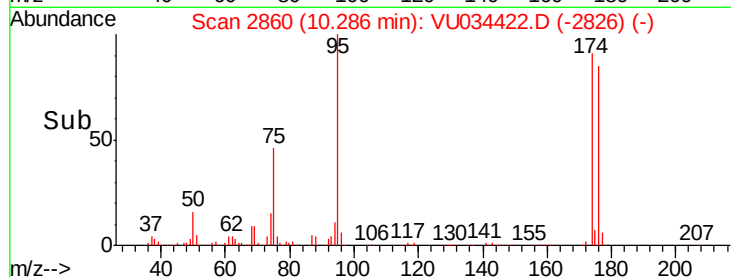
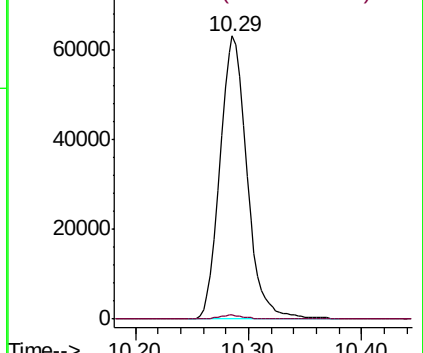
75 100

77 1.2 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: 73.261 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034422.D

Acq: 09 Sep 2019 10:53

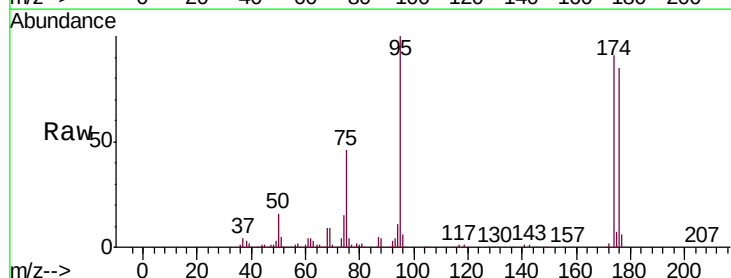
Tgt Ion: 75 Resp: 105107

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

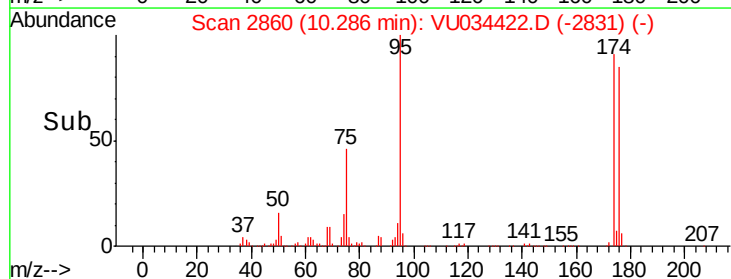
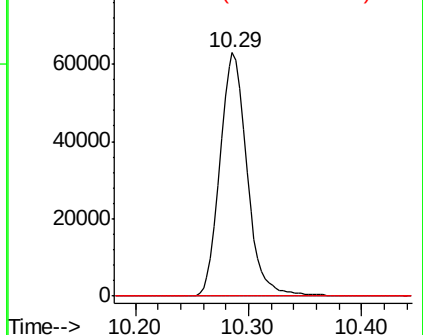
89 0.0 0.0 0.0

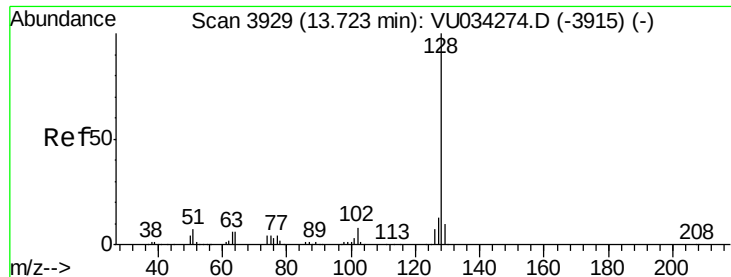


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
Naphthalene
Concen: 3.976 ug/l
RT: 13.78 min Scan# 3948
Delta R.T. 0.06 min
Lab File: VU034422.D
Acq: 09 Sep 2019 10:53

Instrument :
MSVOA_U
ClientSampleId :
T12-F3-(2.7)

Tgt Ion:128 Resp: 157
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.4 12.6#

