

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028481.D
 Acq On : 05 Dec 2018 15:34
 Operator : MD/SY
 Sample : J6219-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 NM-342-135-120418

Quant Time: Dec 06 01:34:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	384801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	703137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	653475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	317528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	294408	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
35) Dibromofluoromethane	4.88	113	228271	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	7.57	98	910871	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.30	95	336165	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	982	0.672	ug/l #	72
13) Acrolein	2.19	56	1517	1.168	ug/l	98
14) Allyl chloride	2.70	41	10756	1.001	ug/l #	28
16) Acetone	2.32	43	18289	4.649	ug/l	94
17) Carbon Disulfide	2.48	76	3422	0.217	ug/l	97
18) Methyl Acetate	2.62	43	2399	0.219	ug/l #	77
20) Methylene Chloride	2.70	84	257756	46.448	ug/l	90
25) 2-Butanone	4.29	43	1381	0.245	ug/l #	78
29) Tetrahydrofuran	4.65	42	1014	0.277	ug/l	95
31) Cyclohexane	4.98	56	9120	0.470	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	31143	4.048	ug/l #	50
38) Carbon Tetrachloride	4.98	117	36256	5.738	ug/l #	16
43) Isopropyl Acetate	5.55	43	34769	2.092	ug/l	99
45) 1,2-Dichloropropane	6.70	63	2218	0.332	ug/l #	43
48) Methyl methacrylate	6.70	41	192915	22.288	ug/l #	47
49) 1,4-Dioxane	6.63	88	302	2.184	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	159237	15.005	ug/l #	49
54) cis-1,3-Dichloropropene	7.42	75	72617	7.435	ug/l #	55
57) 1,3-Dichloropropane	8.41	76	16584	1.656	ug/l #	43
59) 2-Hexanone	8.41	43	236761	28.802	ug/l #	56
68) m/p-Xylenes	9.38	106	1923	0.209	ug/l	74
76) 1,2,3-Trichloropropane	10.30	75	169571	19.258	ug/l #	34
79) 2-Chlorotoluene	10.77	91	3934	0.219	ug/l	87
80) 1,3,5-Trimethylbenzene	10.77	105	8850	0.425	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.30	75	169571	51.120	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	5122	0.243	ug/l	92
87) 1,3-Dichlorobenzene	11.42	146	2339	0.220	ug/l	94
88) 1,4-Dichlorobenzene	11.42	146	2339	0.219	ug/l	93
89) n-Butylbenzene	11.89	91	5681	0.278	ug/l	92
93) 1,2,4-Trichlorobenzene	13.50	180	3557	0.513	ug/l	96
94) Hexachlorobutadiene	13.69	225	1114	0.340	ug/l	92
95) Naphthalene	13.75	128	30347	3.906	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	3592	0.512	ug/l	99

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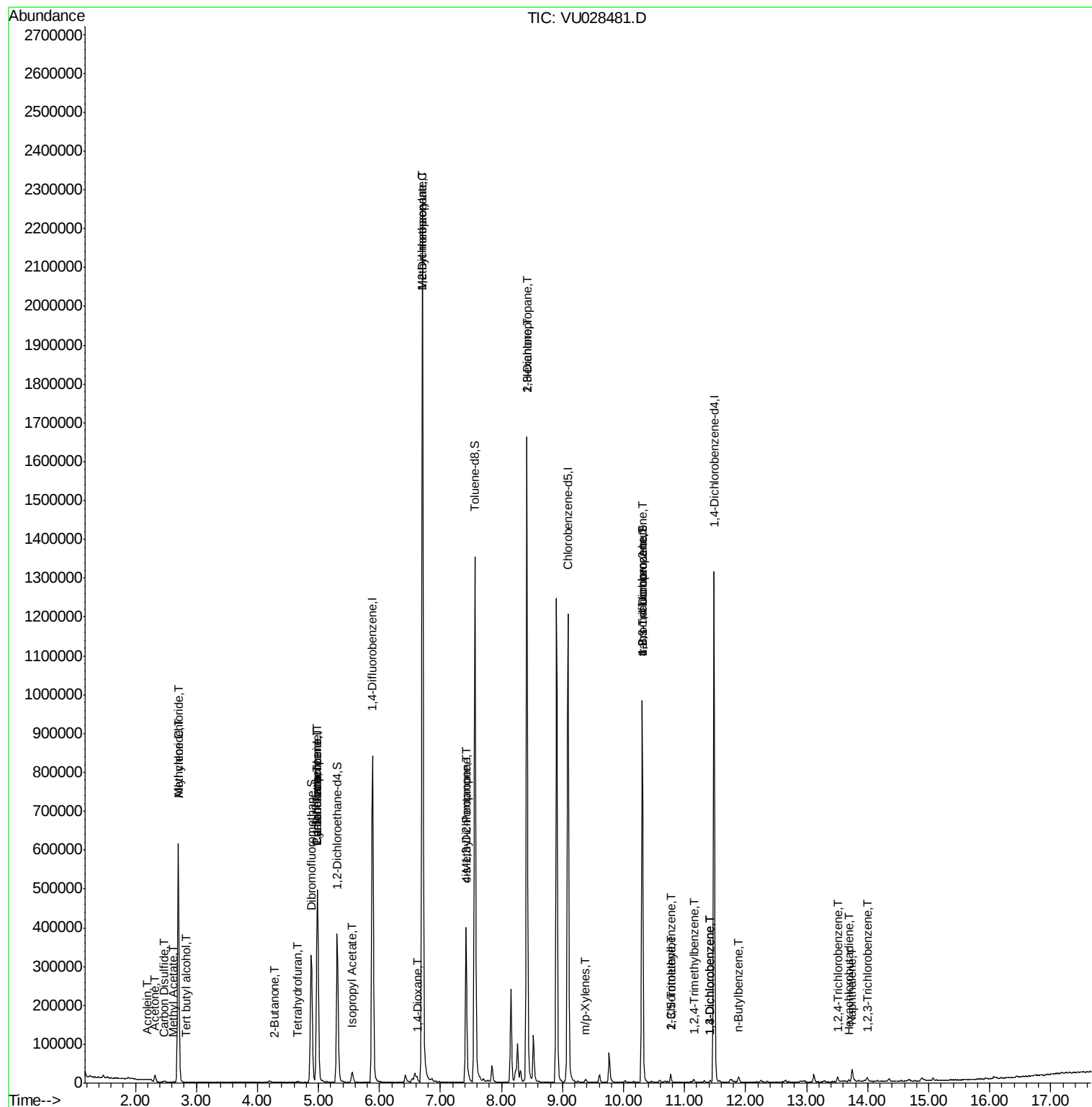
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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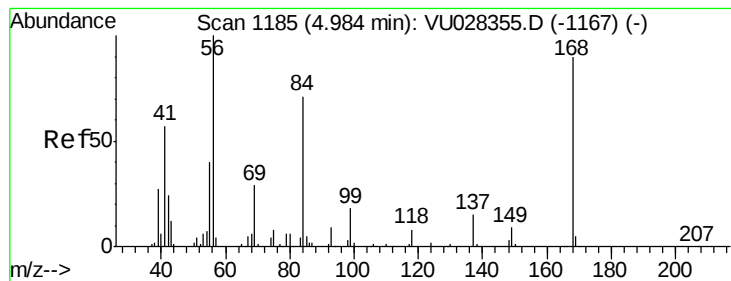
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

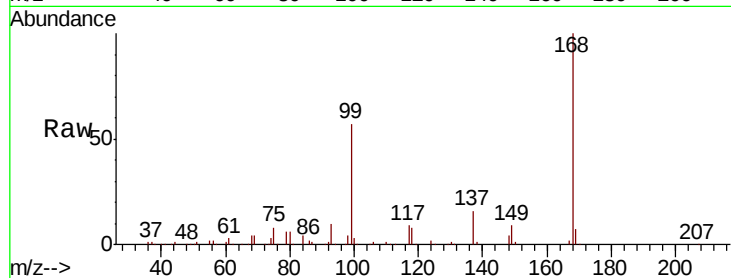
NM-342-135-120418

Tot Ion:168 Resp: 384801

Ion Ratio Lower Upper

168 100

99 57.1 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

200000

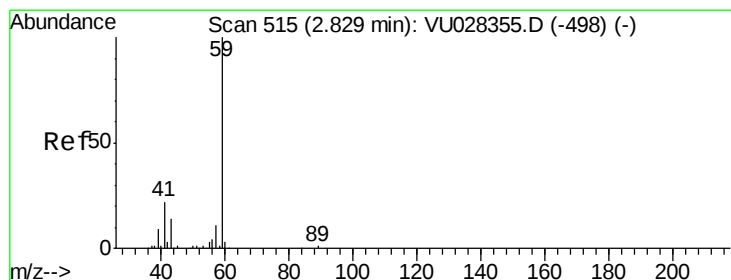
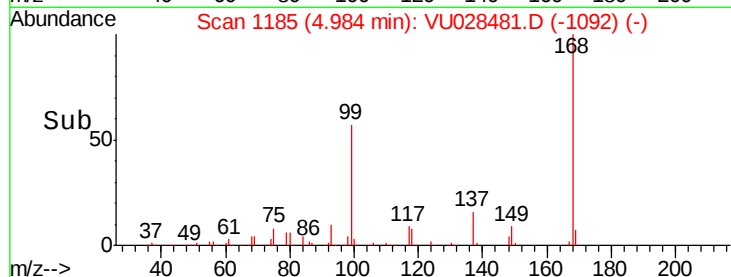
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.672 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028481.D

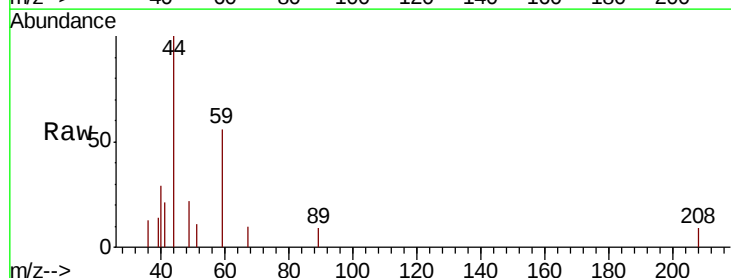
Acq: 05 Dec 2018 15:34

Tgt Ion: 59 Resp: 982

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.83

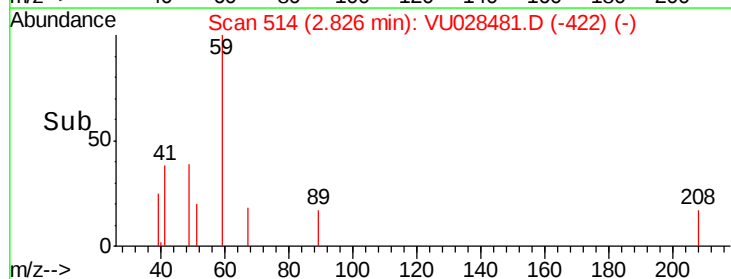
600

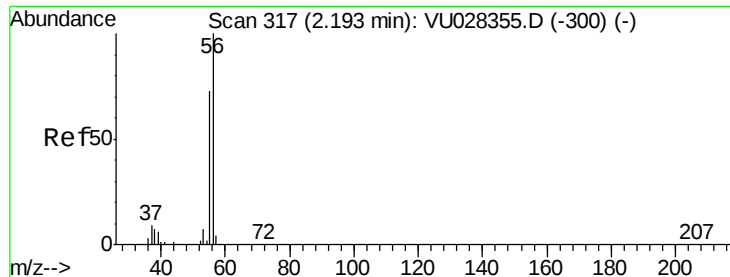
400

200

0

Time-->





#13

Acrolein

Concen: 1.168 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

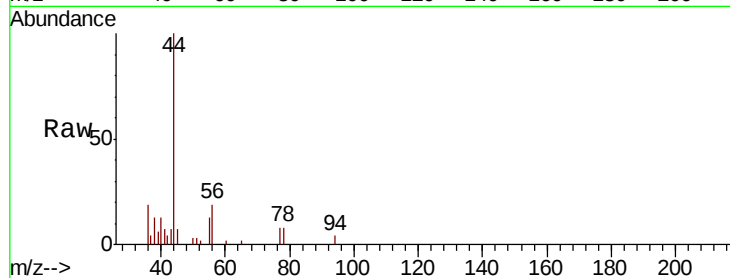
NM-342-135-120418

Tot Ion: 56 Resp: 1517

Ion Ratio Lower Upper

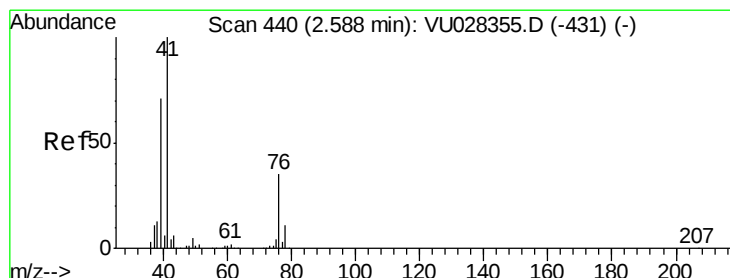
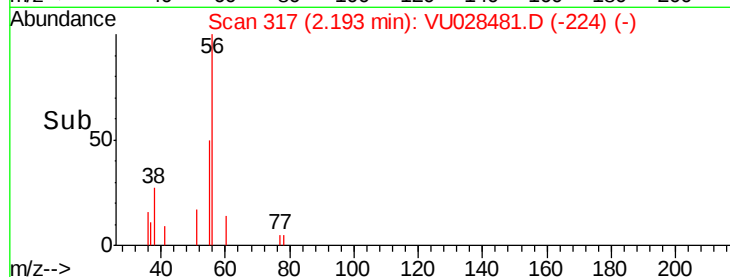
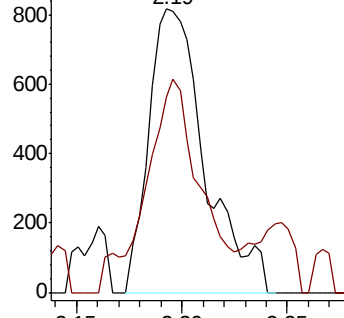
56 100

55 72.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 1.001 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

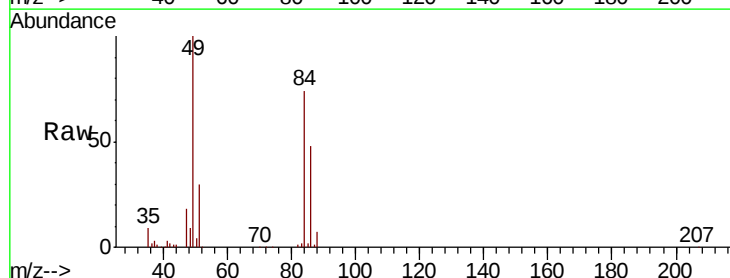
Tgt Ion: 41 Resp: 10756

Ion Ratio Lower Upper

41 100

39 1.7 51.6 77.4#

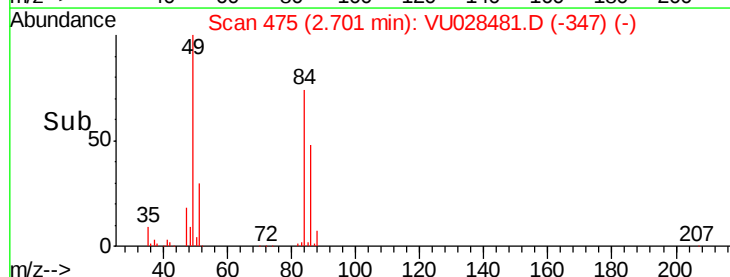
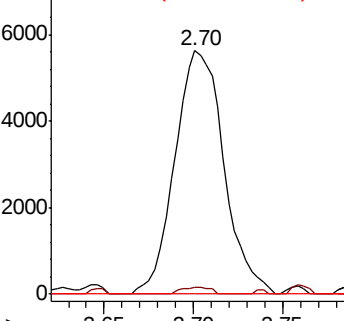
76 0.0 24.4 36.6#

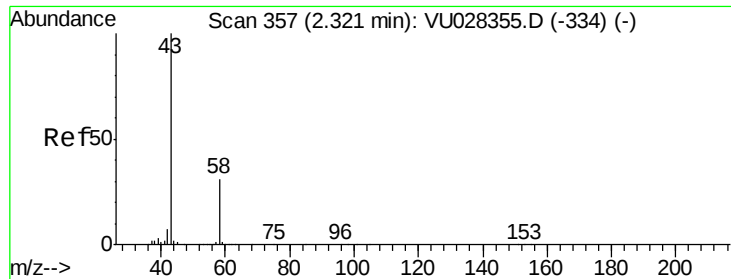


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 4.649 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

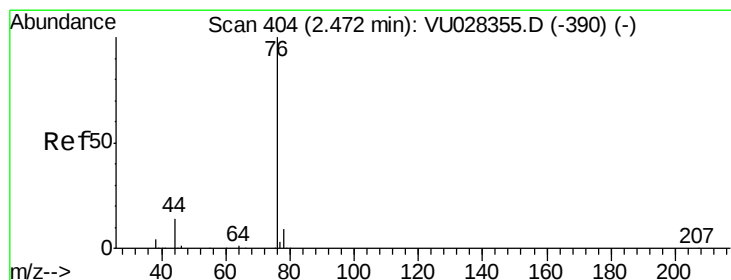
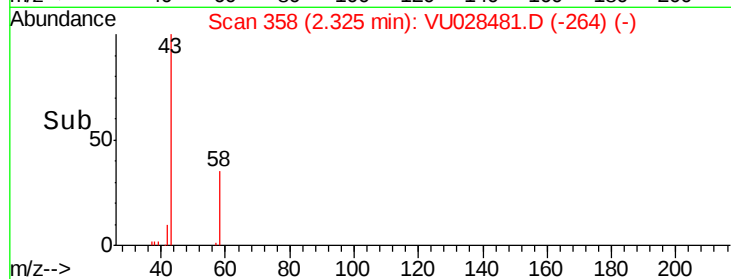
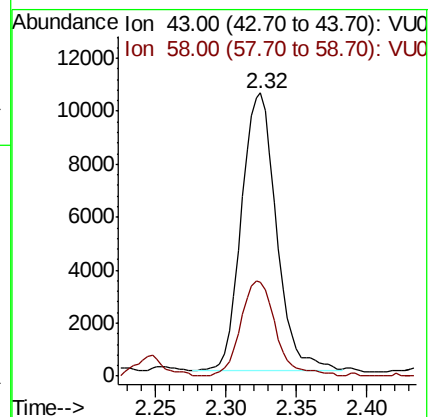
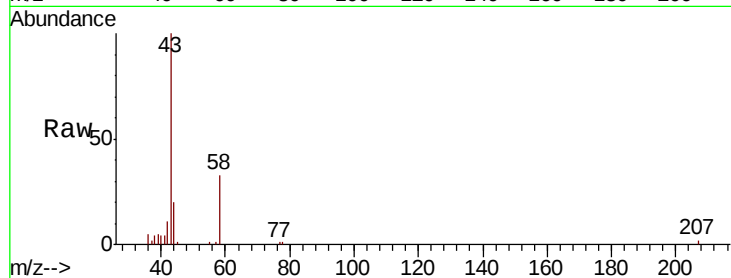
NM-342-135-120418

Tot Ion: 43 Resp: 18289

Ion Ratio Lower Upper

43 100

58 33.6 24.4 36.6



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028481.D

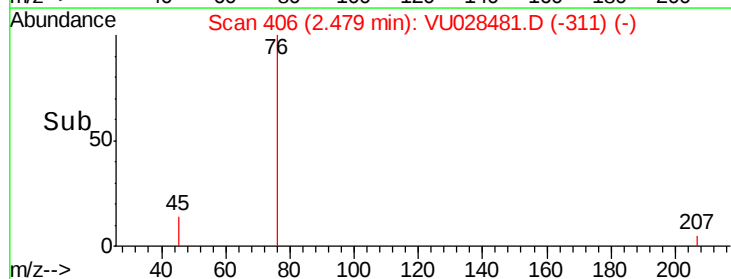
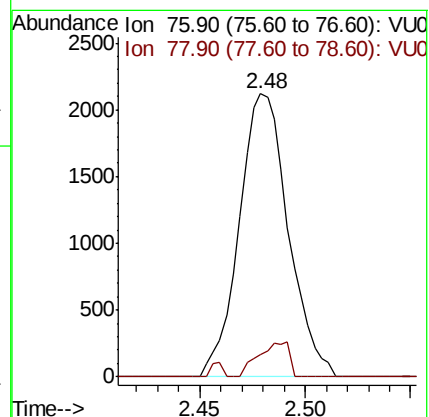
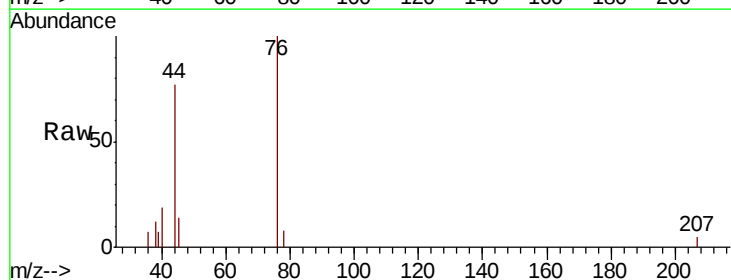
Acq: 05 Dec 2018 15:34

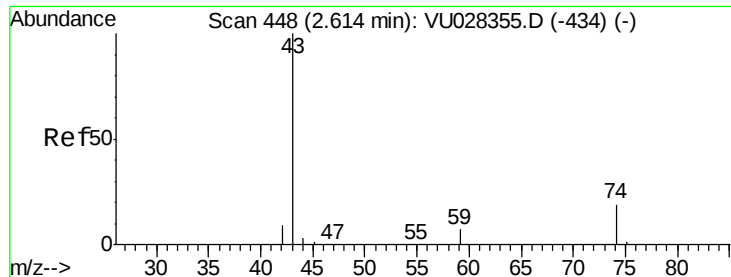
Tgt Ion: 76 Resp: 3422

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.2

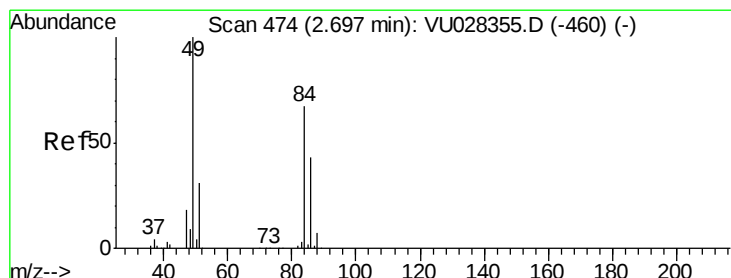
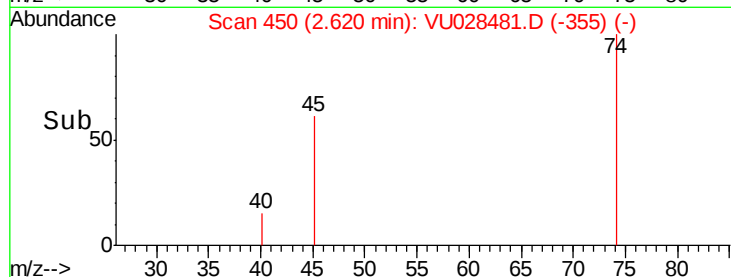
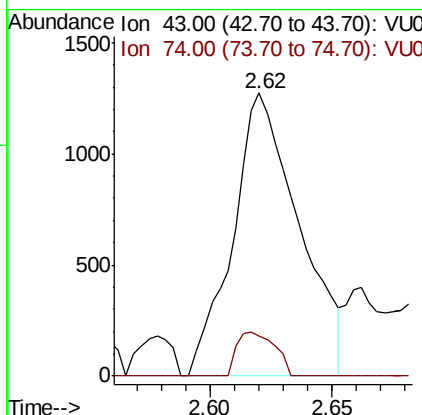
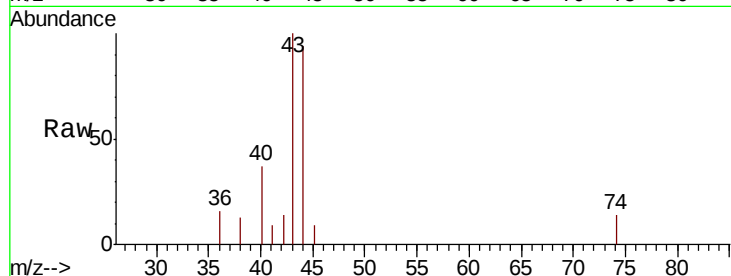




#18
Methvl Acetate
Concen: 0.219 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

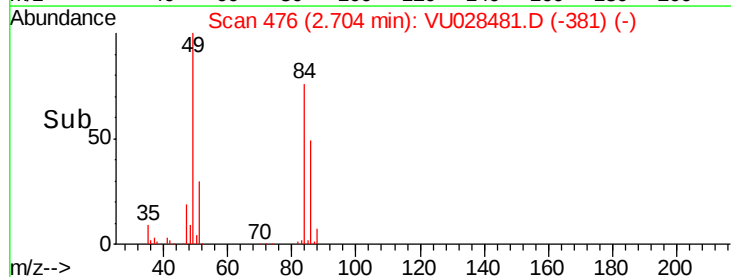
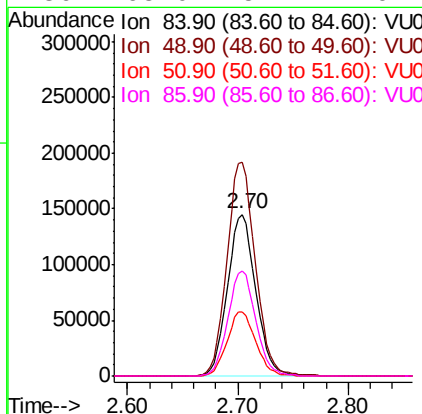
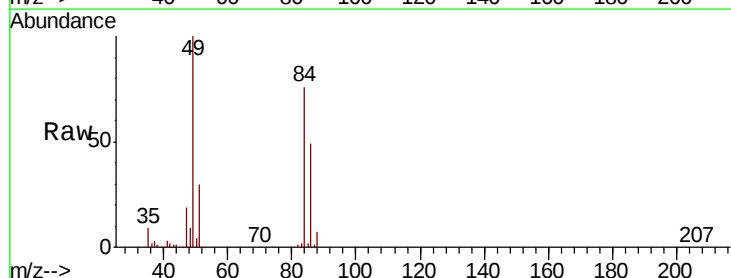
Instrument :
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ClientSampleId :
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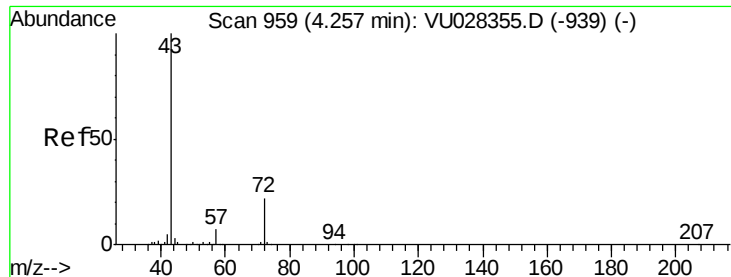
Tot Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
74 8.9 15.3 22.9#



#20
Methylene Chloride
Concen: 46.448 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Tgt Ion: 84 Resp: 257756
Ion Ratio Lower Upper
84 100
49 132.3 120.0 180.0
51 40.0 36.9 55.3
86 65.0 51.1 76.7





#25

2-Butanone

Concen: 0.245 ug/l

RT: 4.29 min Scan# 968

Delta R.T. 0.03 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

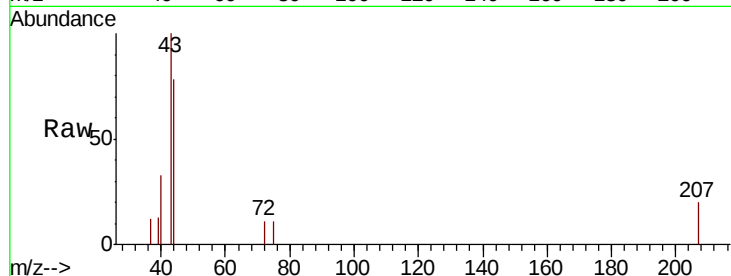
NM-342-135-120418

Tot Ion: 43 Resp: 1381

Ion Ratio Lower Upper

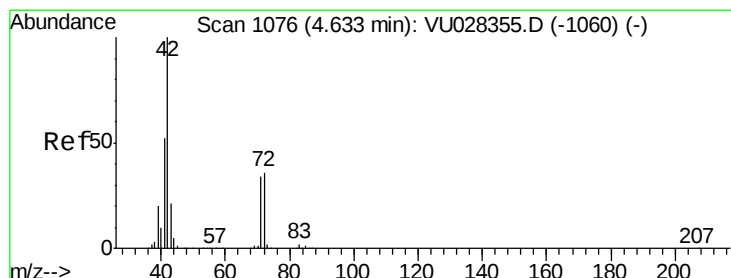
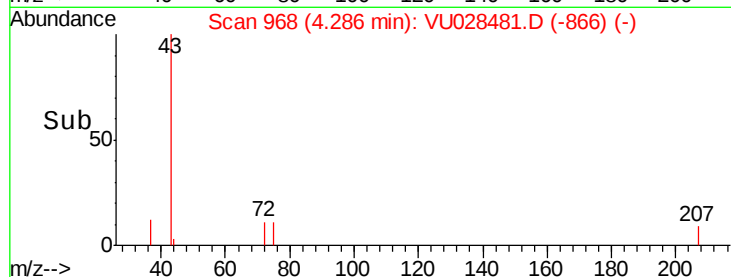
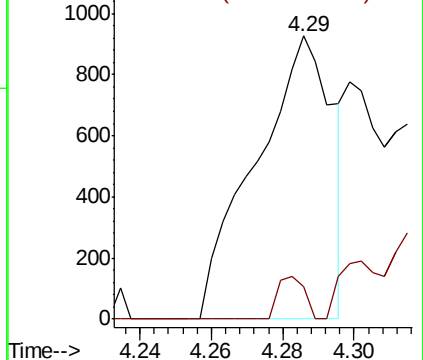
43 100

72 11.4 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 4.65 min Scan# 1081

Delta R.T. 0.02 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

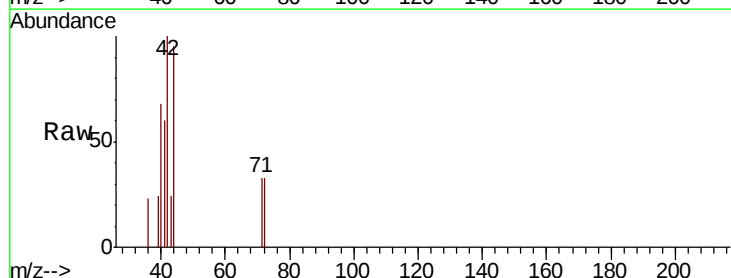
Tgt Ion: 42 Resp: 1014

Ion Ratio Lower Upper

42 100

72 31.9 29.5 44.3

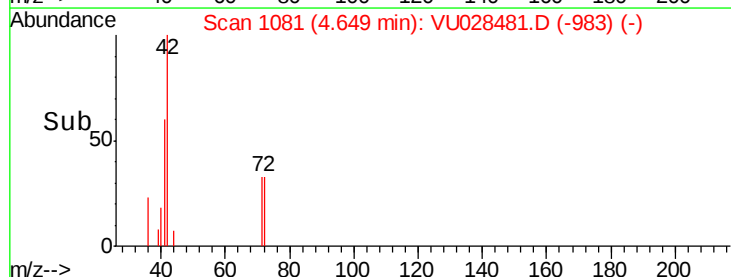
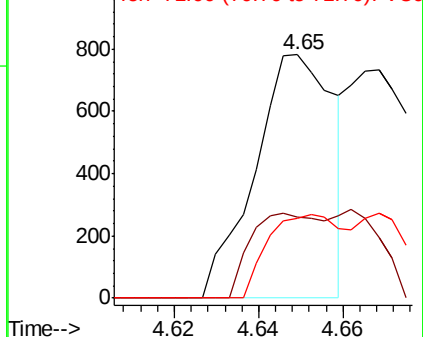
71 34.2 27.7 41.5

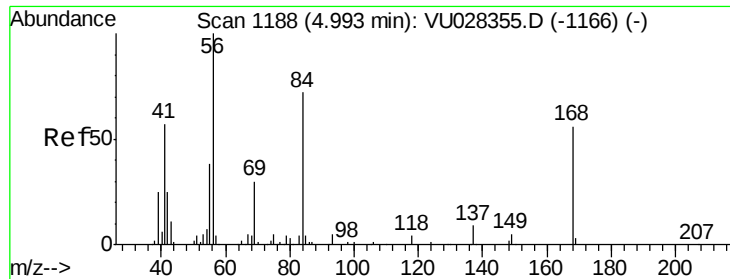


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0





#31

Cyclohexane

Concen: 0.470 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU028481.D

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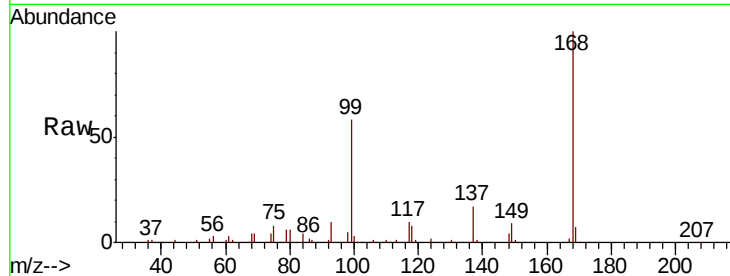
Tot Ion: 56 Resp: 9120

Ion Ratio Lower Upper

56 100

69 164.1 23.7 35.5#

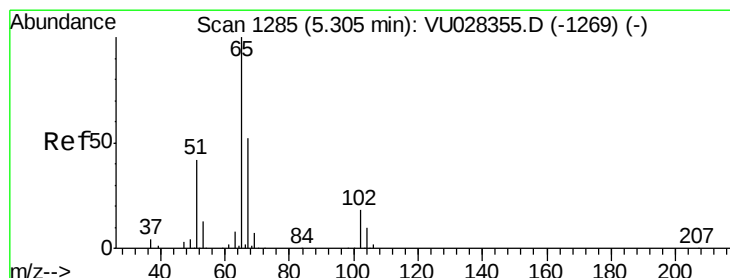
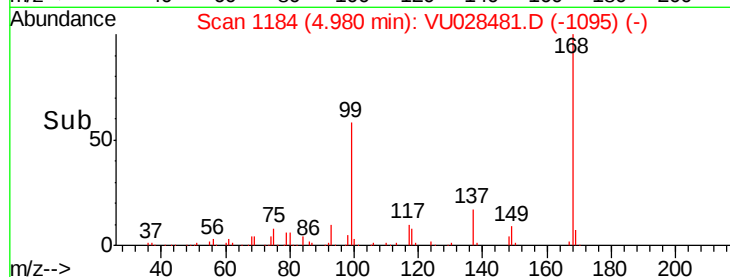
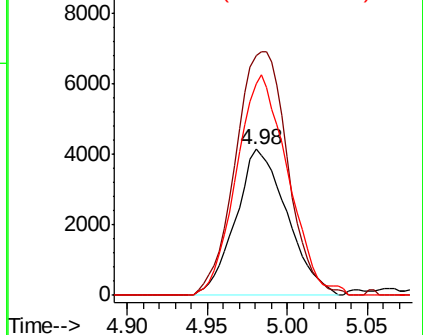
84 144.9 57.3 85.9#



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: 45.780 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028481.D

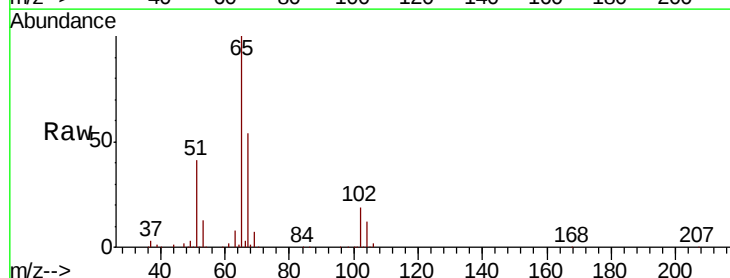
Acq: 05 Dec 2018 15:34

Tgt Ion: 65 Resp: 294408

Ion Ratio Lower Upper

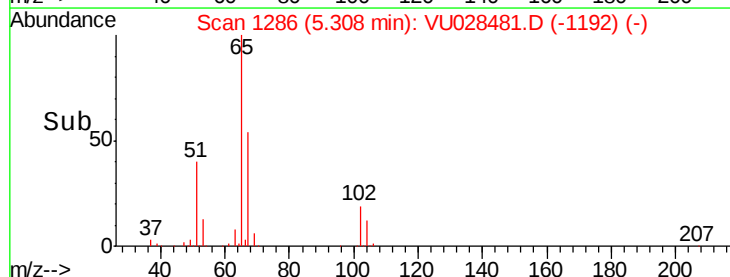
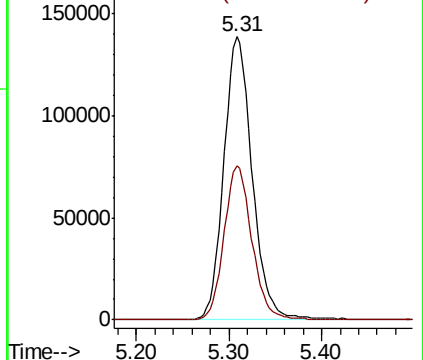
65 100

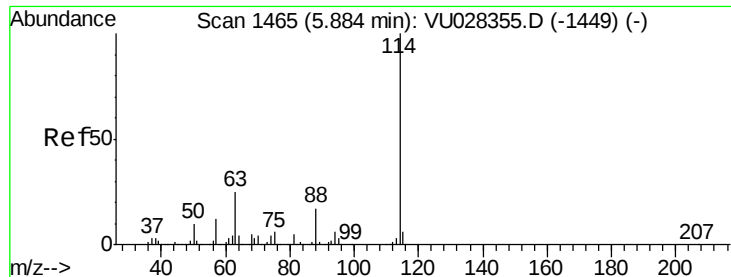
67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

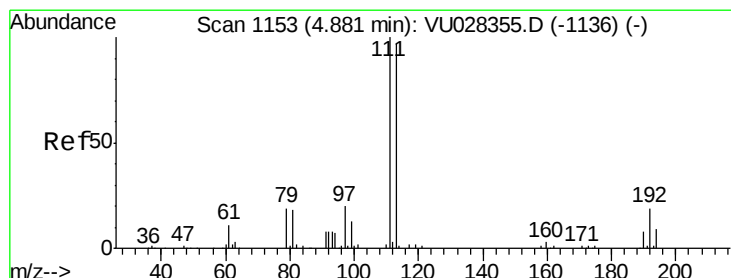
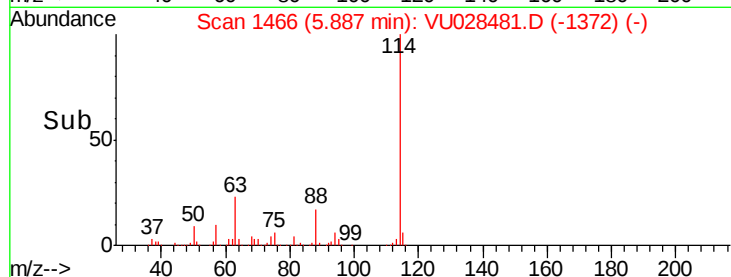
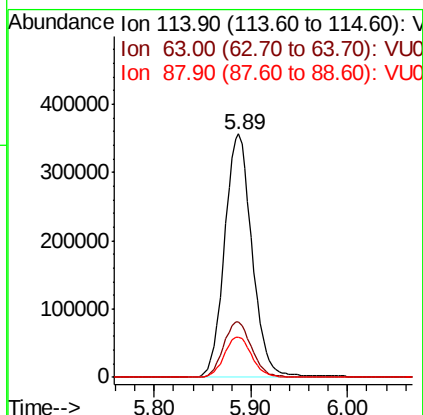
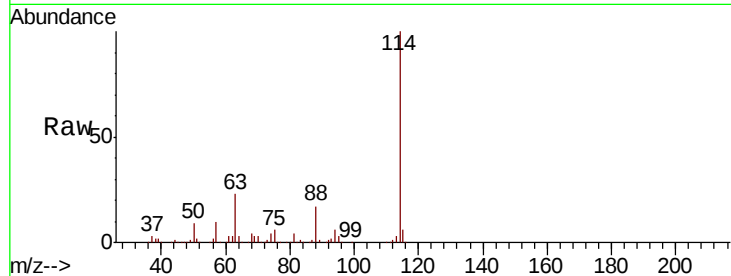




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028481.D
 Acq: 05 Dec 2018 15:34

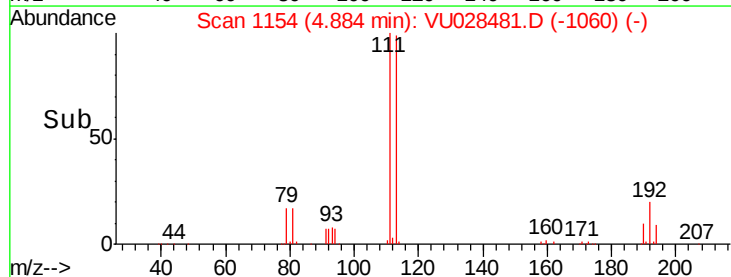
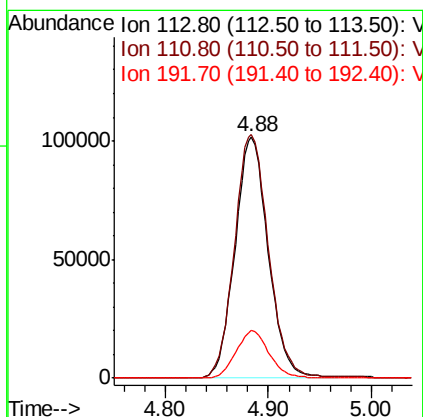
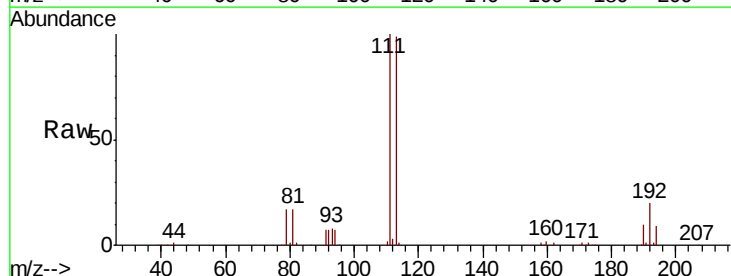
Instrument :
 MSVOA_U
 ClientSampleId :
 NM-342-135-120418

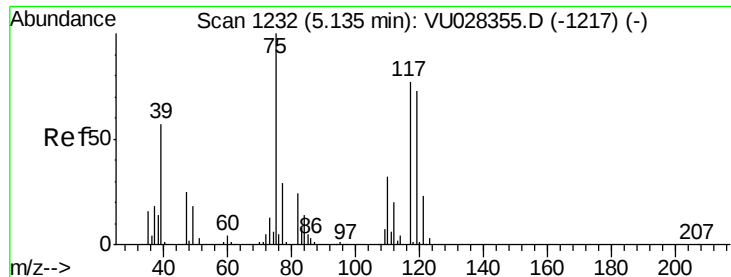
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	50.0
88	16.6	0.0	34.4



#35
 Dibromofluoromethane
 Concen: 48.822 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028481.D
 Acq: 05 Dec 2018 15:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.7	15.4	23.0





#36

1,1-Dichloropropene

Concen: 4.048 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

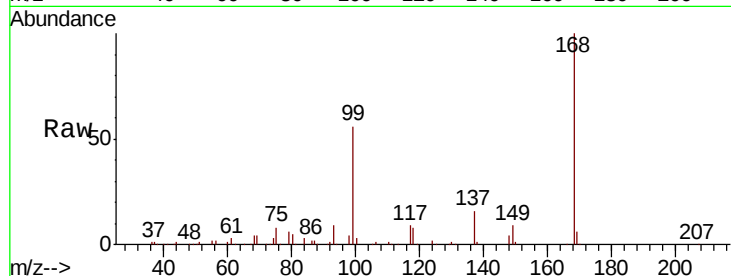
Tot Ion: 75 Resp: 31143

Ion Ratio Lower Upper

75 100

110 7.6 15.8 47.4#

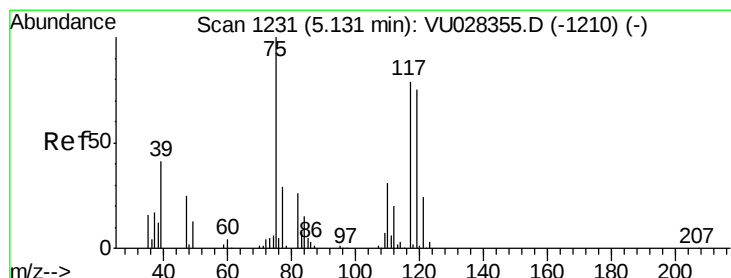
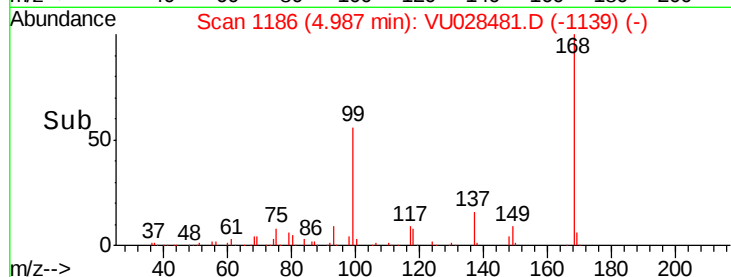
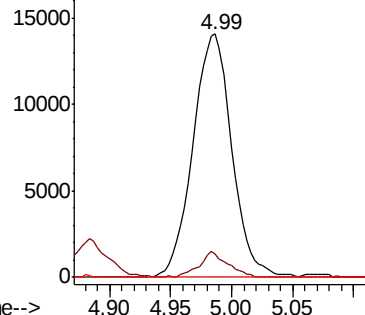
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU028355.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1217) (-)



#38

Carbon Tetrachloride

Concen: 5.738 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

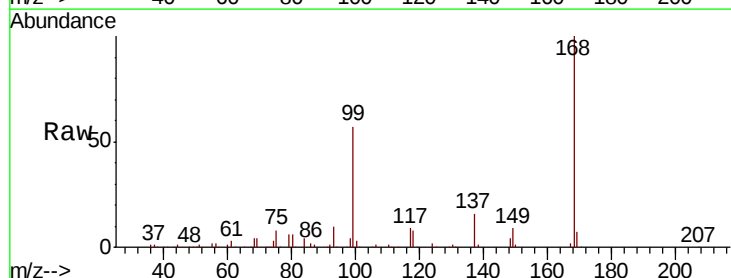
Tgt Ion: 117 Resp: 36256

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

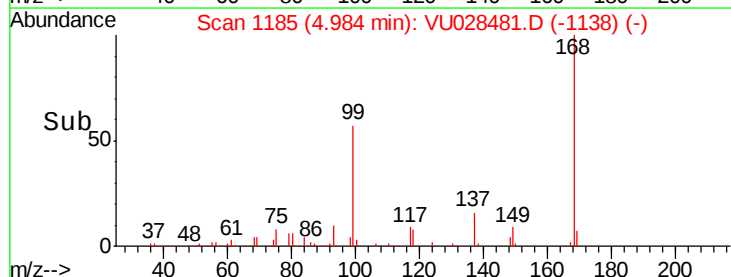
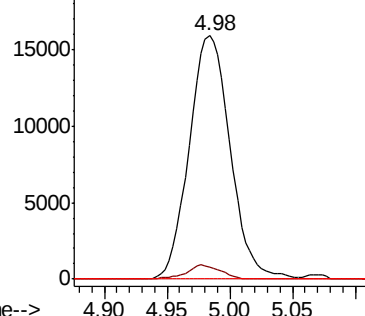
121 0.0 24.7 37.1#

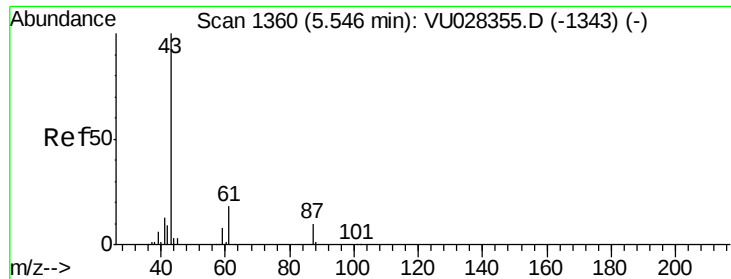


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)





#43

Isopropyl Acetate

Concen: 2.092 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

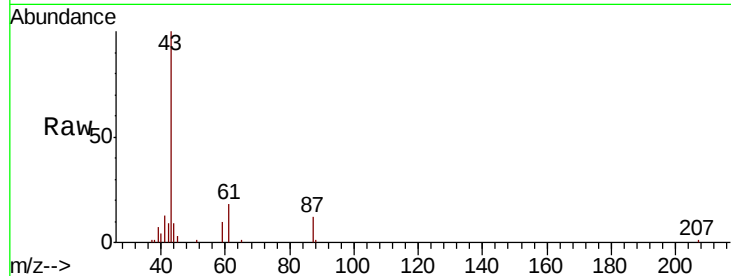
Tot Ion: 43 Resp: 34769

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

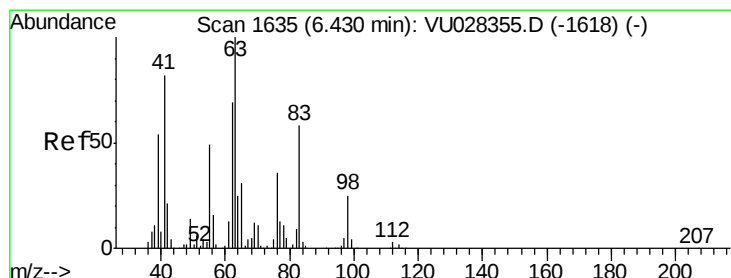
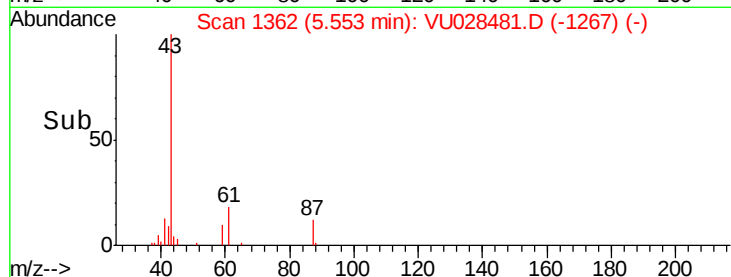
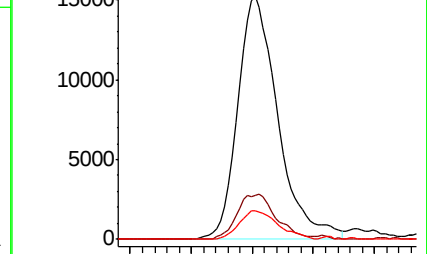
87 11.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028481.D (-1362) (-)

Ion 61.00 (60.70 to 61.70): VU028481.D (-1362) (-)

Ion 87.00 (86.70 to 87.70): VU028481.D (-1362) (-)



#45

1,2-Dichloropropane

Concen: 0.332 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU028481.D

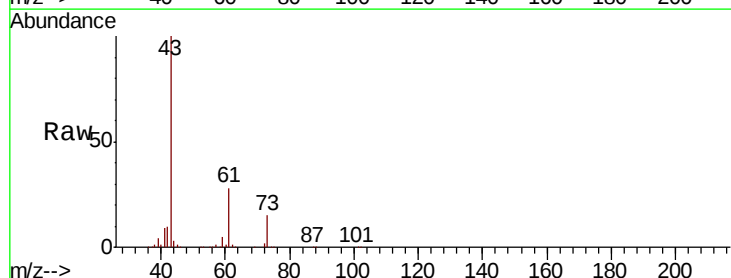
Acq: 05 Dec 2018 15:34

Tgt Ion: 63 Resp: 2218

Ion Ratio Lower Upper

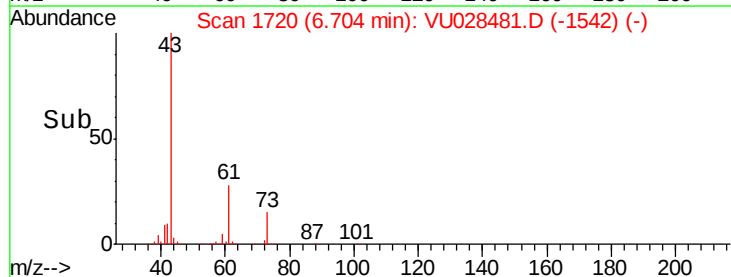
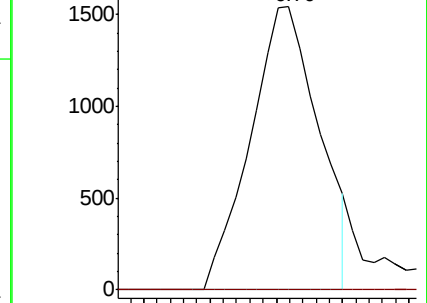
63 100

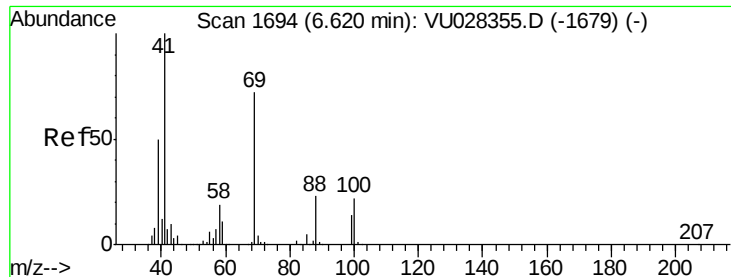
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU028481.D (-1720) (-)

Ion 64.90 (64.60 to 65.60): VU028481.D (-1720) (-)

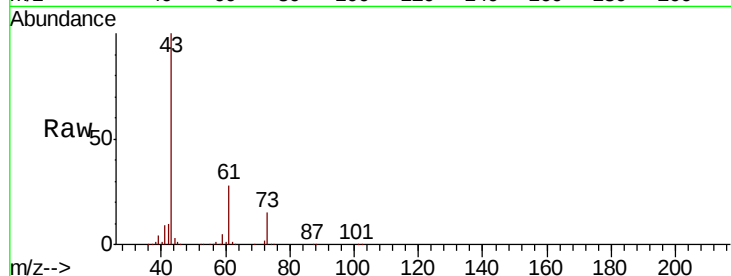




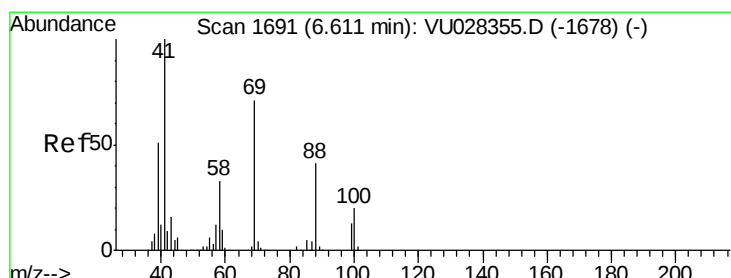
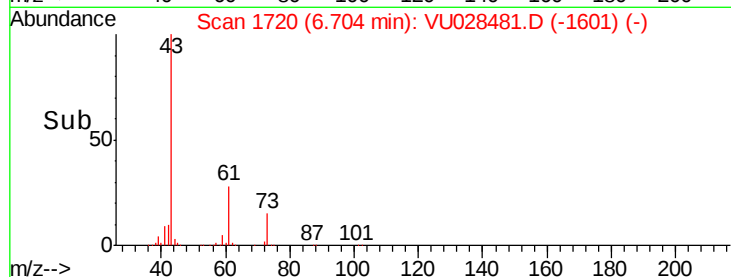
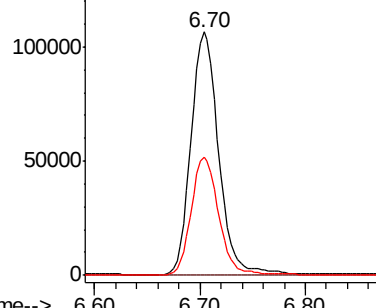
#48
Methvl methacrylate
Concen: 22.288 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
NM-342-135-120418

Tot Ion: 41 Resp: 192915
Ion Ratio Lower Upper
41 100
69 0.1 59.0 88.4#
39 48.2 40.5 60.7

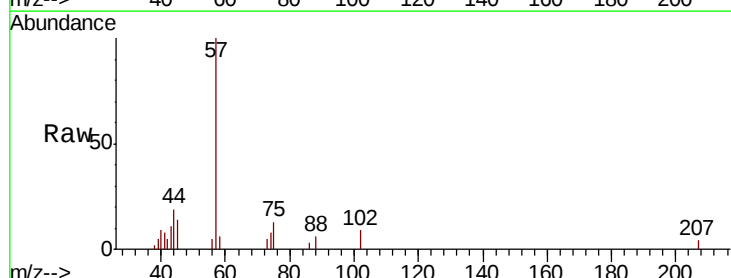


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

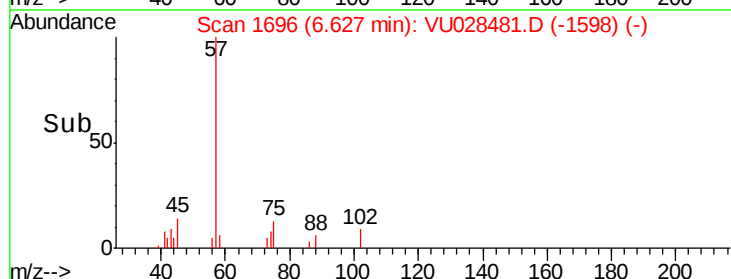
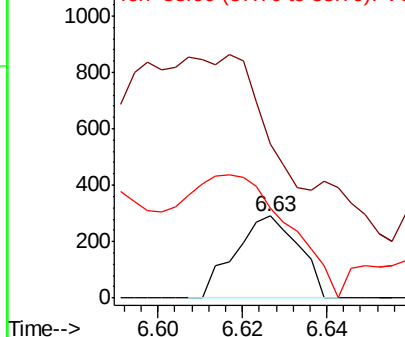


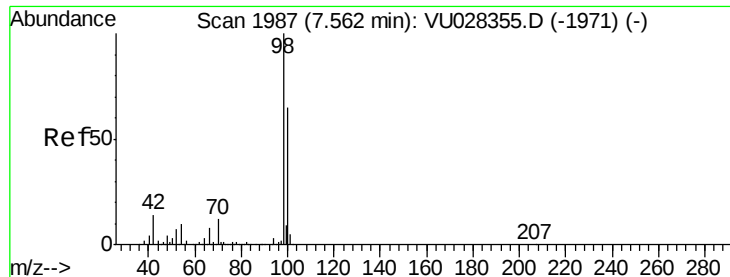
#49
1,4-Dioxane
Concen: 2.184 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 0.0 32.6 48.8#
58 228.5 68.7 103.1#



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





#50

Toluene-d8

Concen: 48.712 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

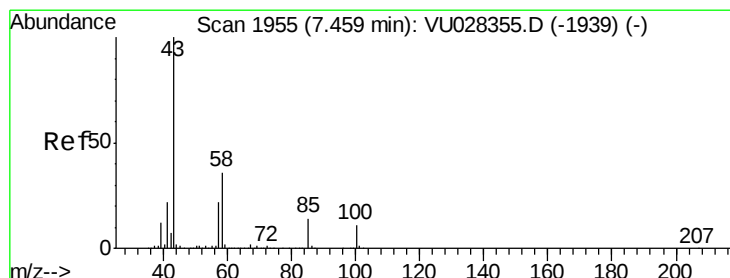
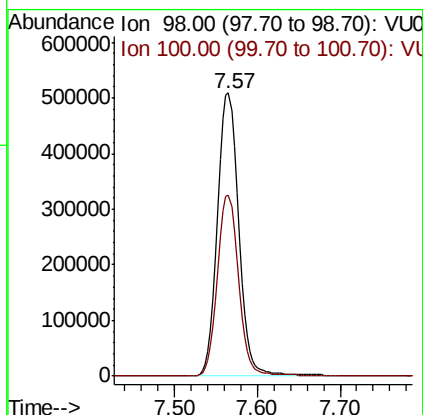
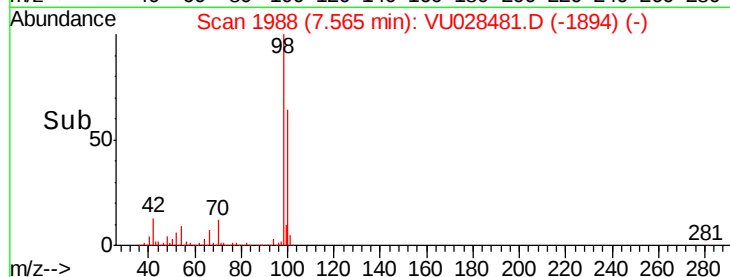
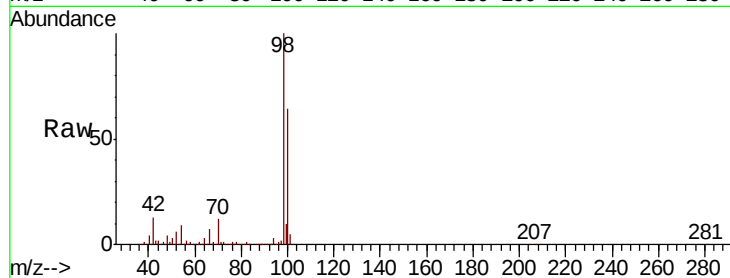
NM-342-135-120418

Tot Ion: 98 Resp: 910871

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 15.005 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028481.D

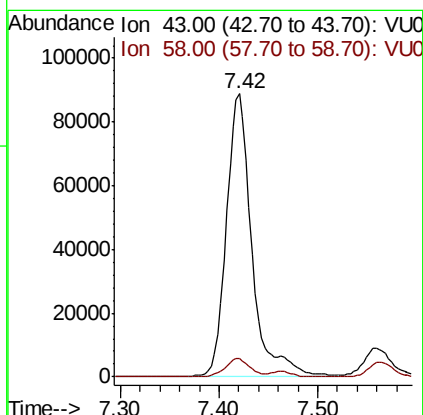
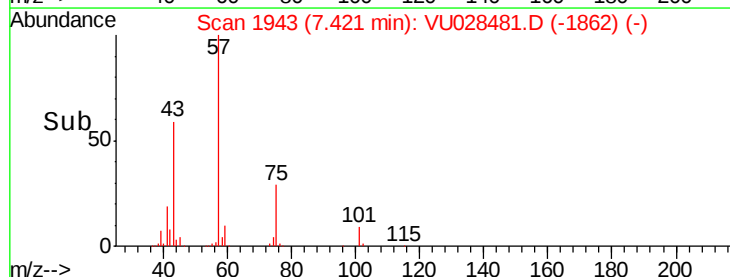
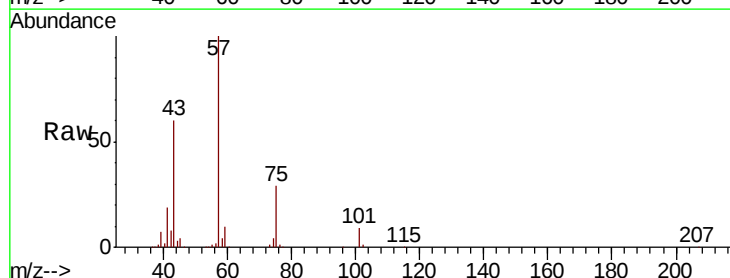
Acq: 05 Dec 2018 15:34

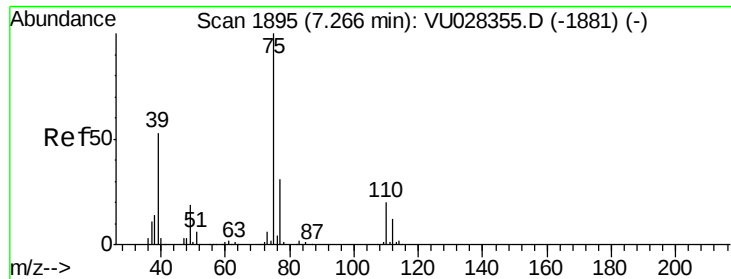
Tgt Ion: 43 Resp: 159237

Ion Ratio Lower Upper

43 100

58 6.3 28.8 43.2#





#54

cis-1,3-Dichloropropene

Concen: 7.435 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

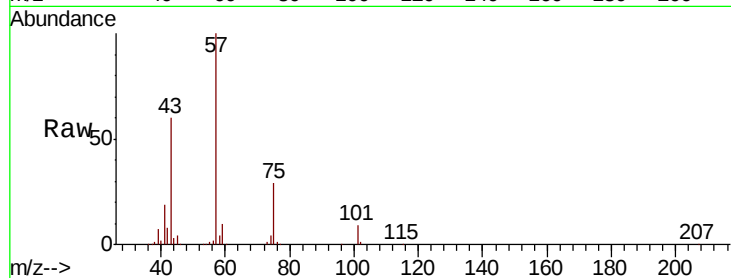
Tot Ion: 75 Resp: 72617

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

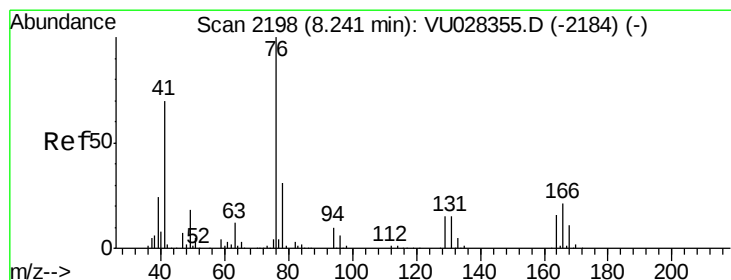
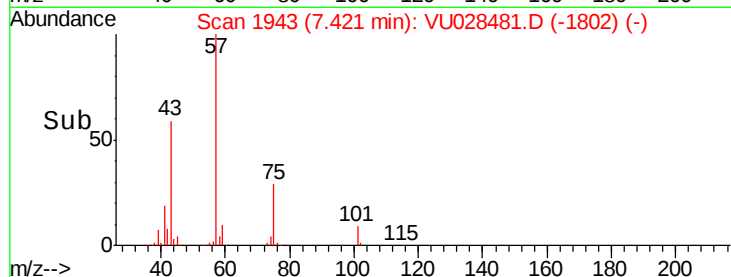
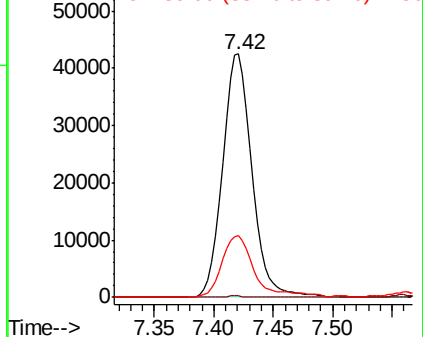
39 25.2 42.6 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



#57

1,3-Dichloropropane

Concen: 1.656 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028481.D

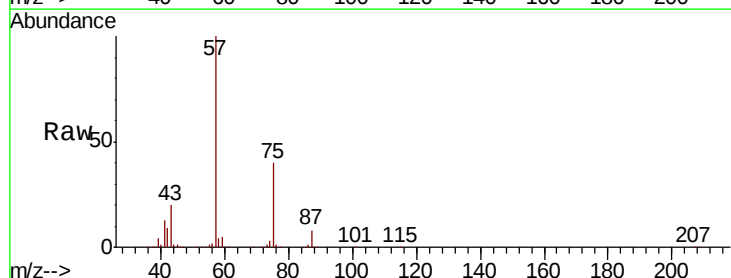
Acq: 05 Dec 2018 15:34

Tgt Ion: 76 Resp: 16584

Ion Ratio Lower Upper

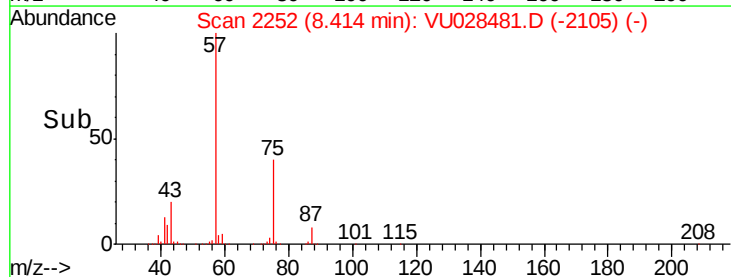
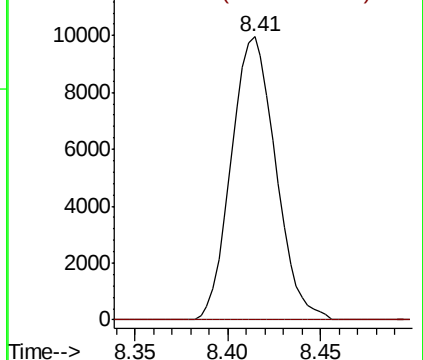
76 100

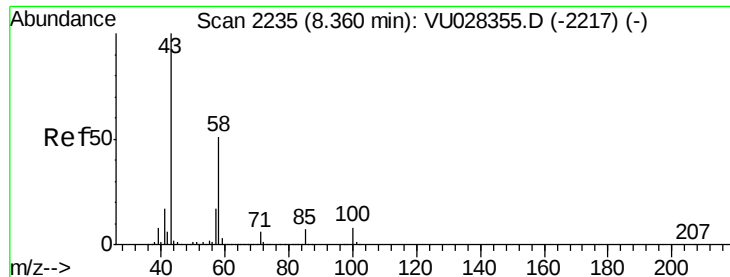
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

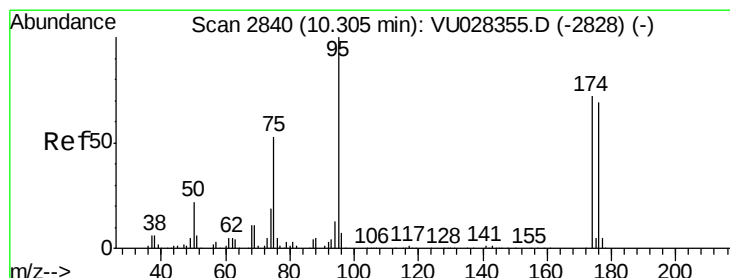
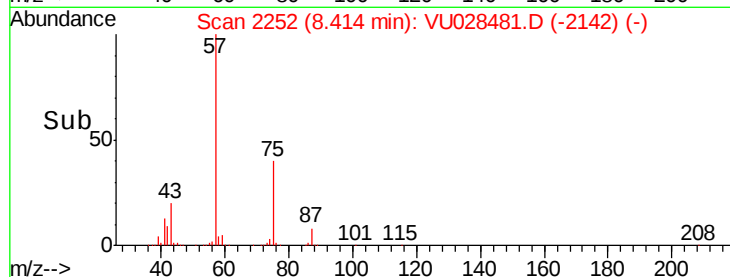
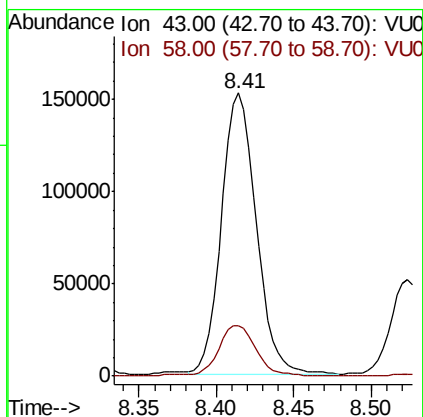
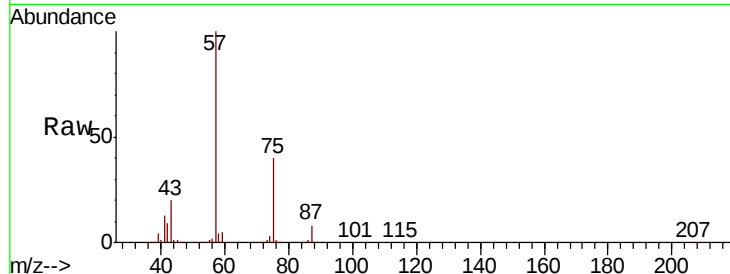




#59
2-Hexanone
Concen: 28.802 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

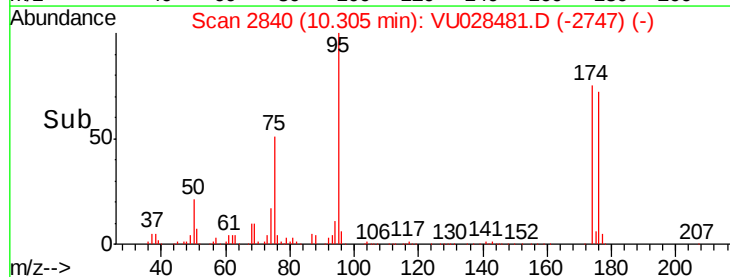
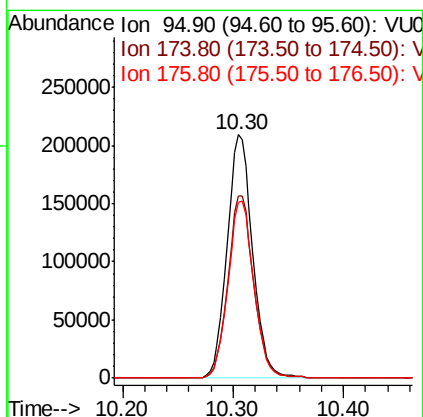
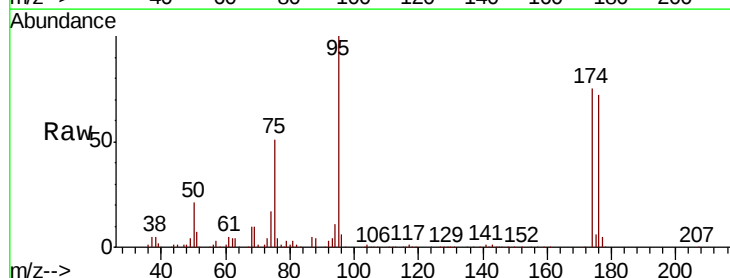
Instrument :
MSVOA_U
ClientSampleId :
NM-342-135-120418

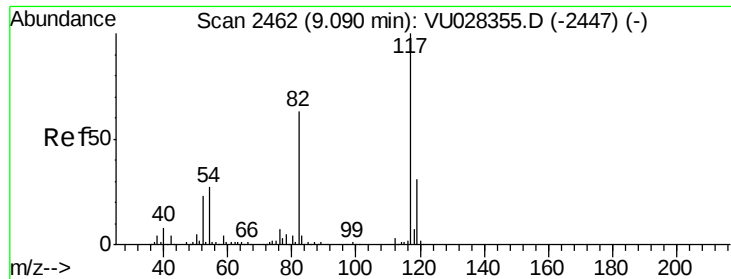
Tot Ion: 43 Resp: 236761
Ion Ratio Lower Upper
43 100
58 20.2 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 49.879 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Tgt Ion: 95 Resp: 336165
Ion Ratio Lower Upper
95 100
174 75.6 0.0 145.4
176 73.7 0.0 140.8

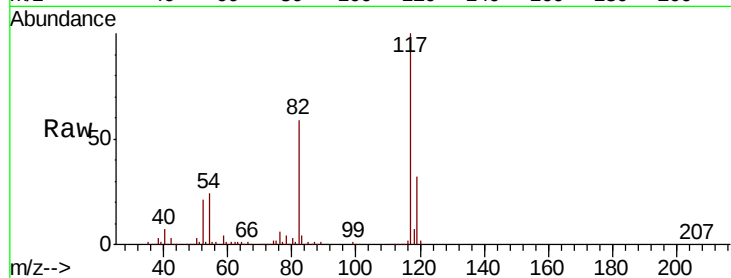




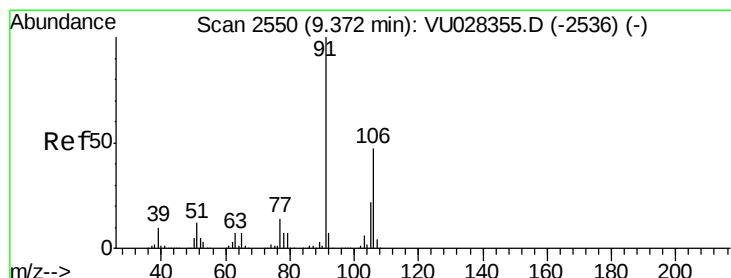
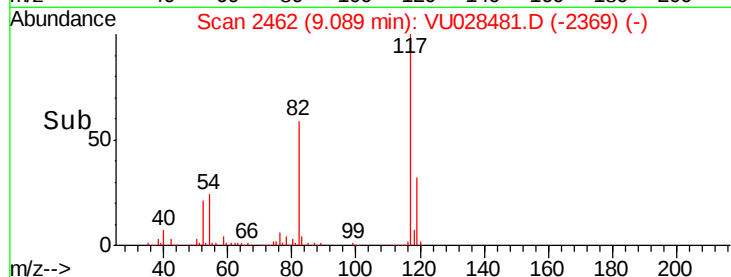
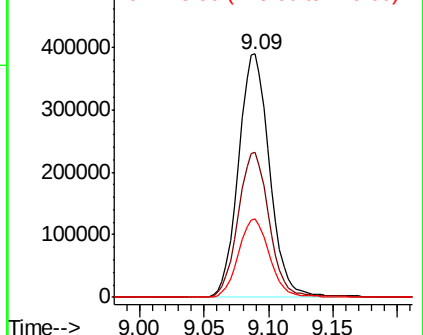
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
NM-342-135-120418

Tot Ion:117 Resp: 653475
Ion Ratio Lower Upper
117 100
82 59.4 50.3 75.5
119 32.2 24.8 37.2

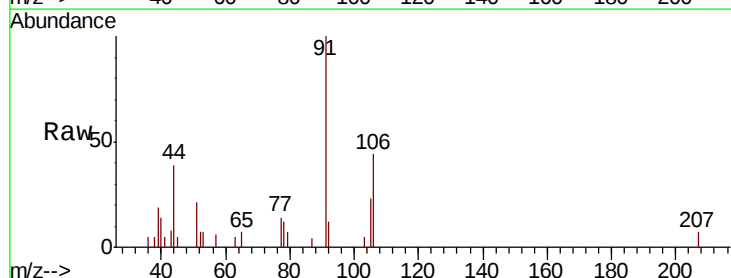


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

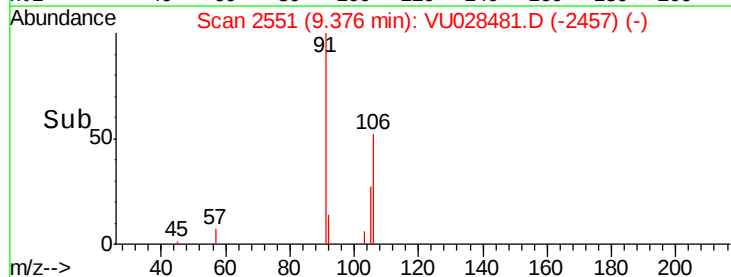
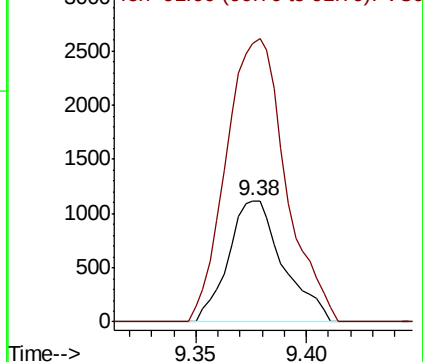


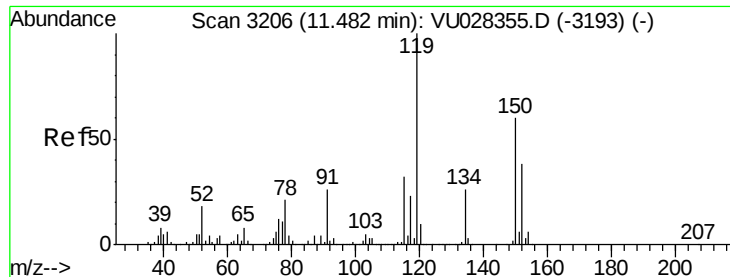
#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Tgt Ion:106 Resp: 1923
Ion Ratio Lower Upper
106 100
91 254.4 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



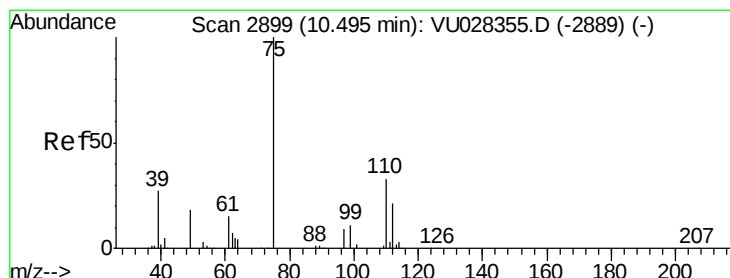
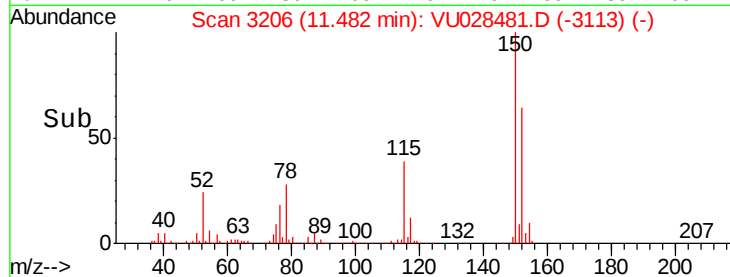
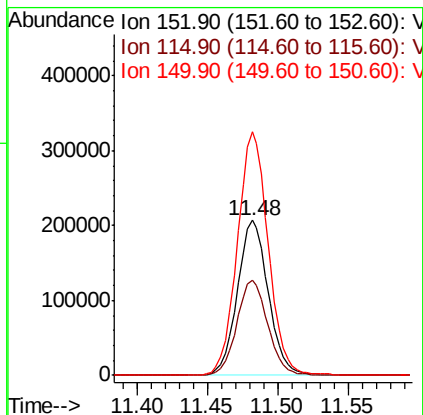
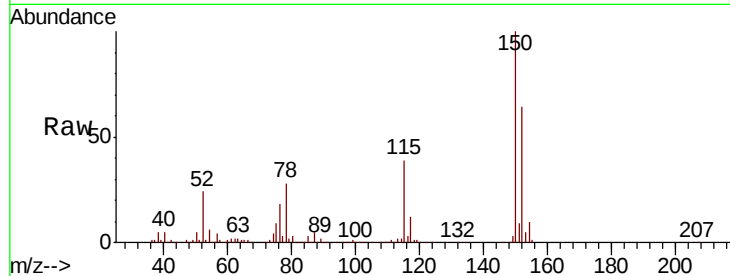


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
NM-342-135-120418

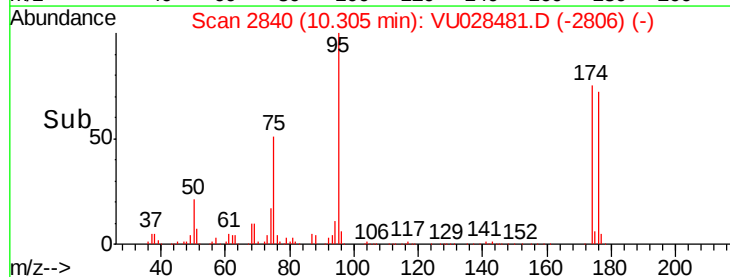
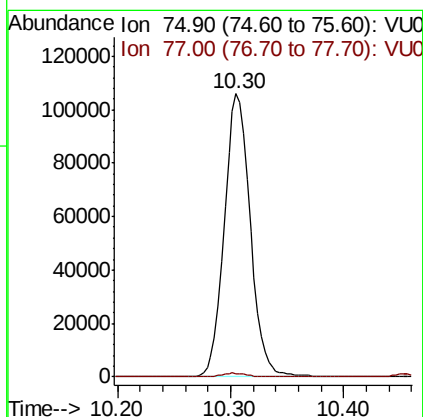
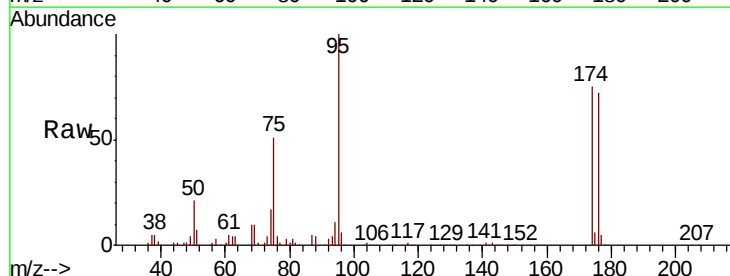
Tot Ion:152 Resp: 317528
Ion Ratio Lower Upper
152 100
115 61.7 45.0 134.8
150 157.0 0.0 349.2

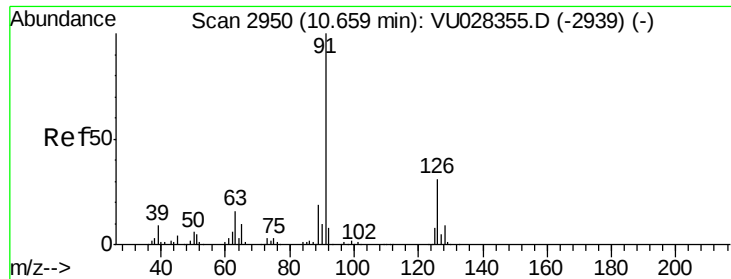


#76

1,2,3-Trichloropropane
Concen: 19.258 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028481.D
Acq: 05 Dec 2018 15:34

Tgt Ion: 75 Resp: 169571
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.0#





#79

2-Chlorotoluene

Concen: 0.219 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.12 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

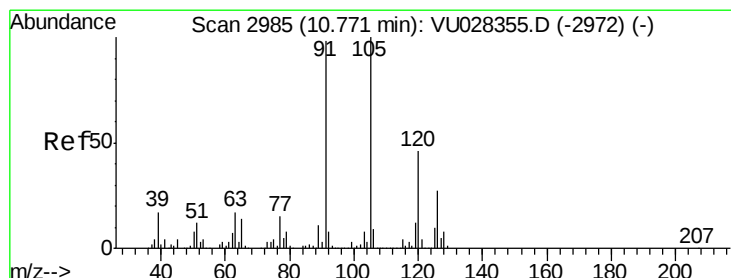
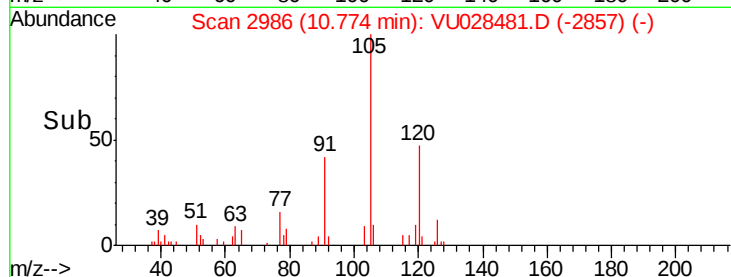
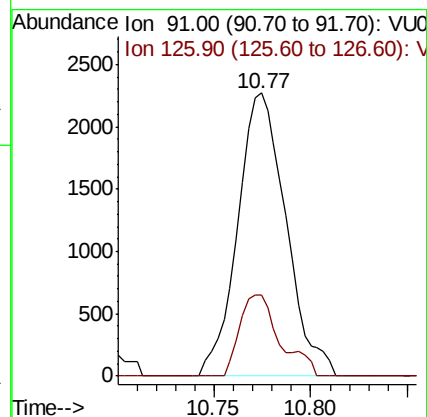
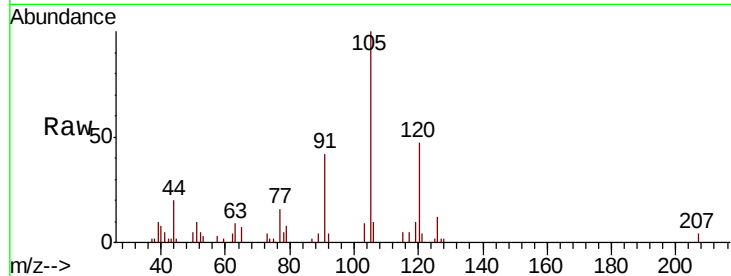
NM-342-135-120418

Tot Ion: 91 Resp: 3934

Ion Ratio Lower Upper

91 100

126 23.8 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 0.425 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028481.D

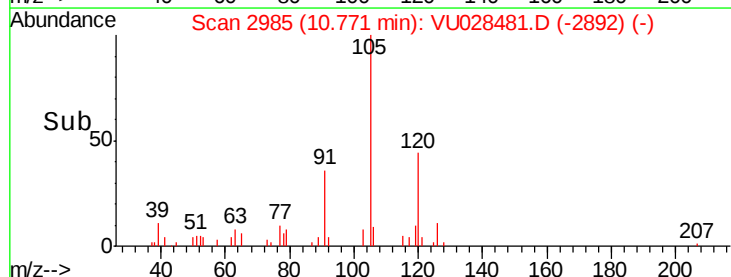
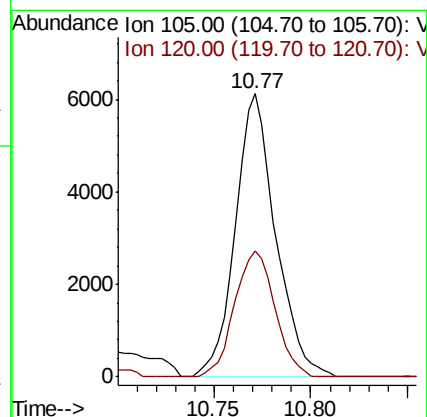
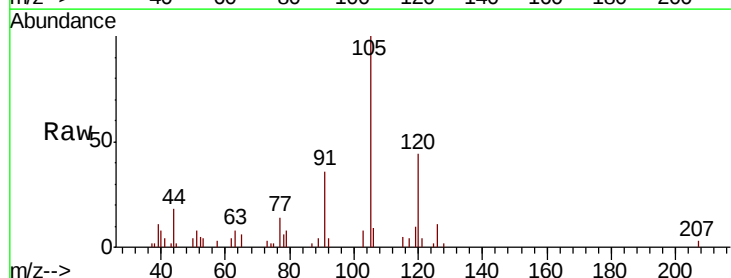
Acq: 05 Dec 2018 15:34

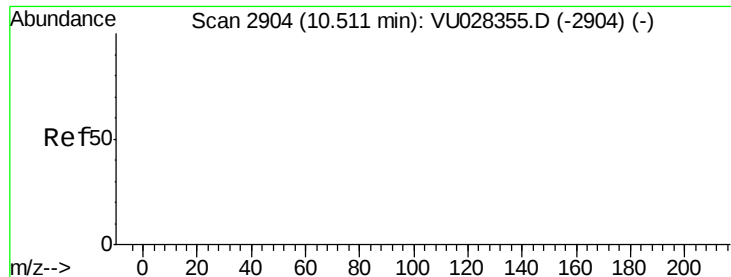
Tgt Ion:105 Resp: 8850

Ion Ratio Lower Upper

105 100

120 44.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.120 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

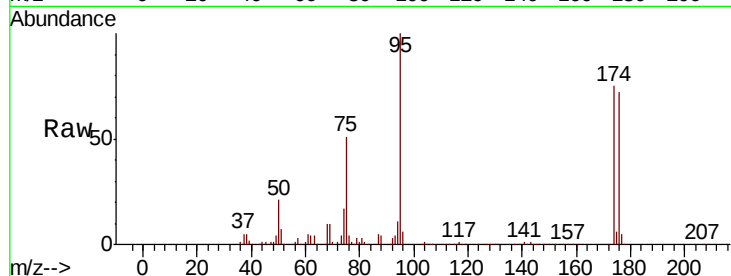
Tot Ion: 75 Resp: 169571

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

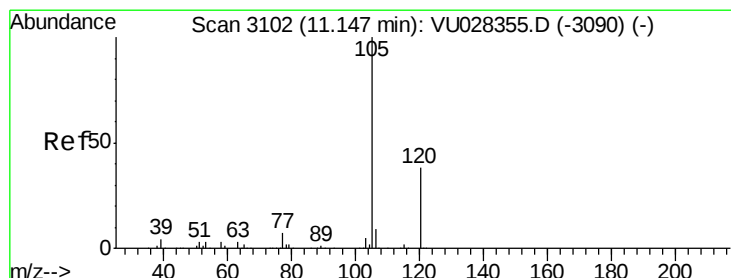
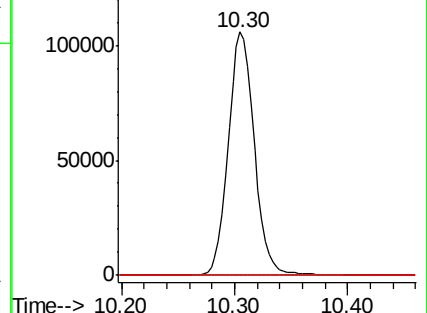
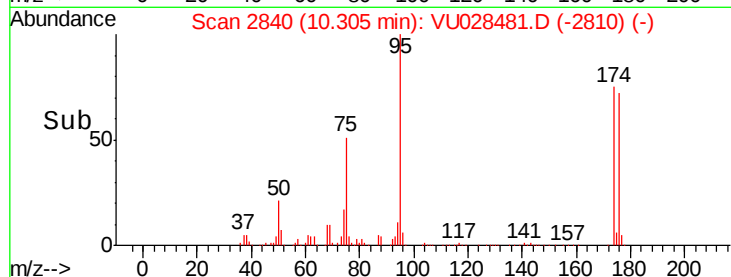
89 0.0 0.0 0.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.243 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU028481.D

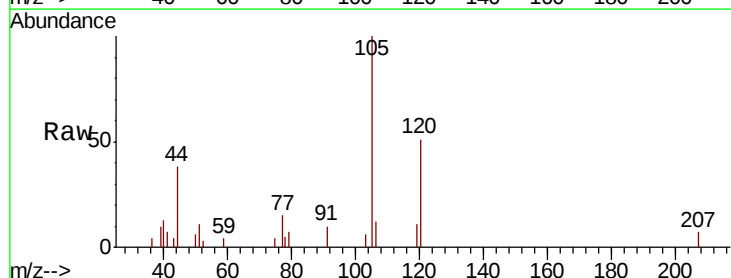
Acq: 05 Dec 2018 15:34

Tgt Ion: 105 Resp: 5122

Ion Ratio Lower Upper

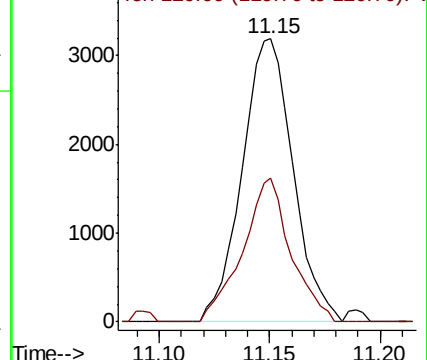
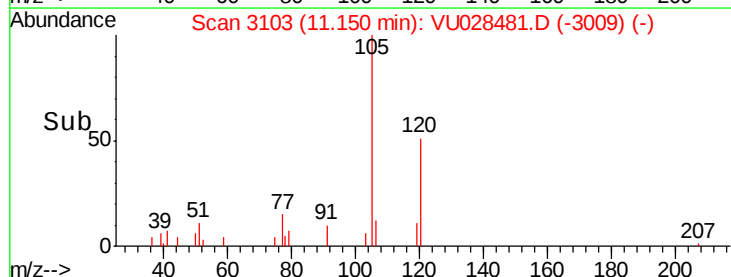
105 100

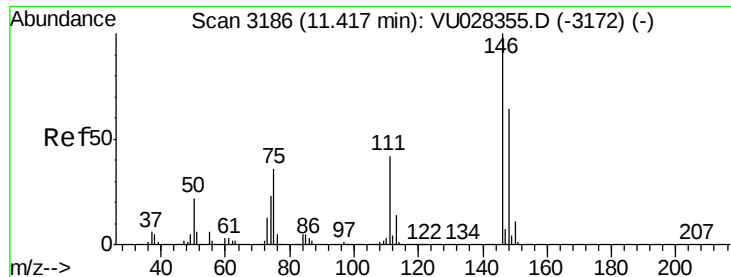
120 47.9 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#87

1,3-Dichlorobenzene

Concen: 0.220 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

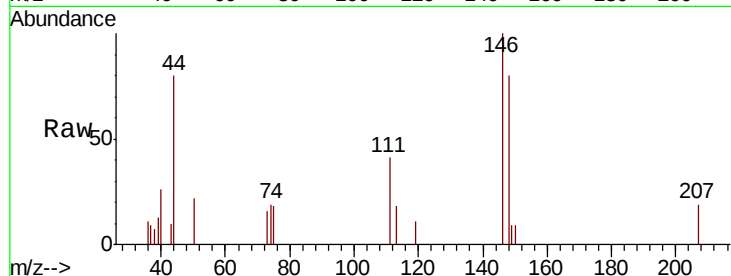
Tot Ion:146 Resp: 2339

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.4

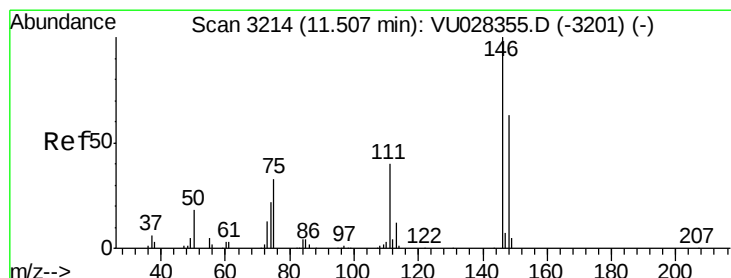
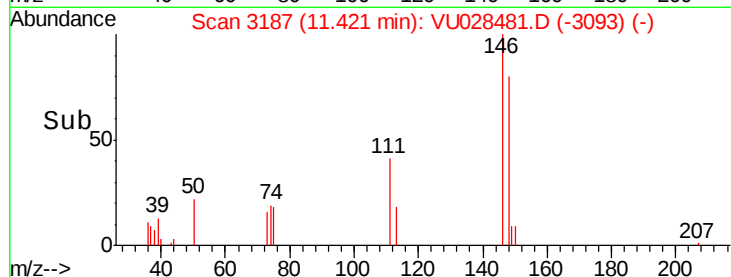
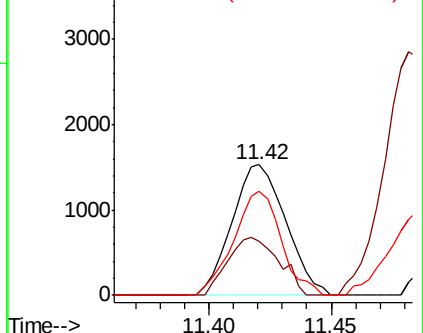
148 70.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. -0.09 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

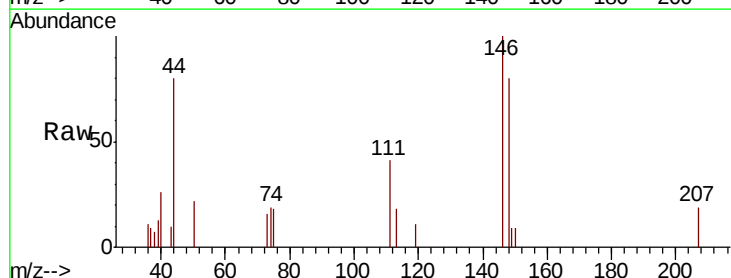
Tgt Ion:146 Resp: 2339

Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.9

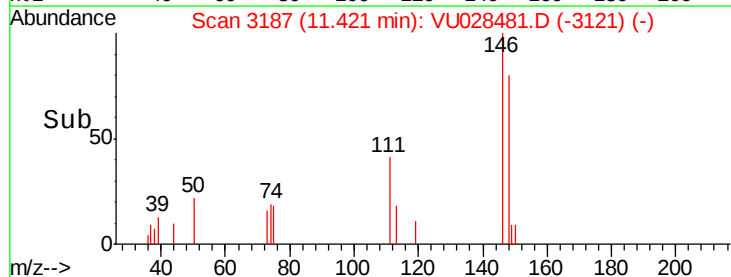
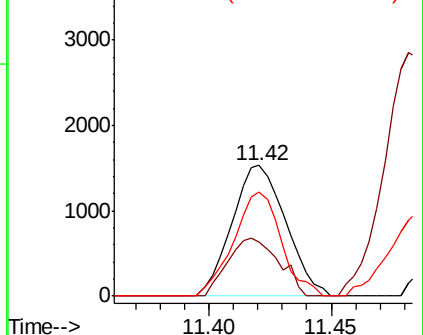
148 70.2 31.1 93.5

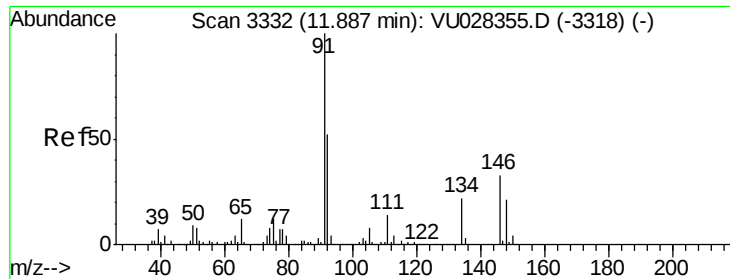


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.278 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument:

MSVOA_U

ClientSampleId:

NM-342-135-120418

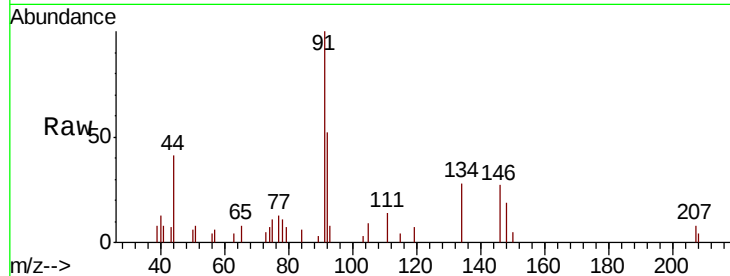
Tot Ion: 91 Resp: 5681

Ion Ratio Lower Upper

91 100

92 50.1 26.2 78.5

134 31.2 11.1 33.1

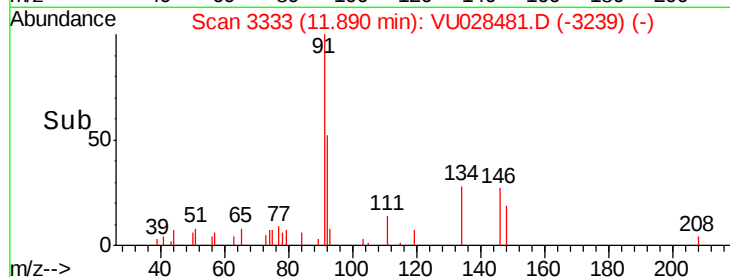


Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-3318) (-)

Ion 92.00 (91.70 to 92.70): VU028355.D (-3318) (-)

Ion 134.00 (133.70 to 134.70): VU028355.D (-3318) (-)

Time-->

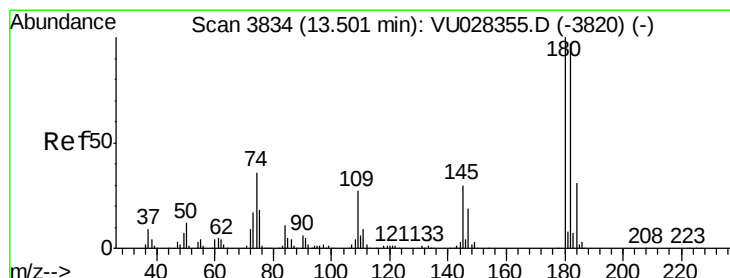


Abundance Ion 91.00 (90.70 to 91.70): VU028481.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028481.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028481.D (-3239) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.513 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

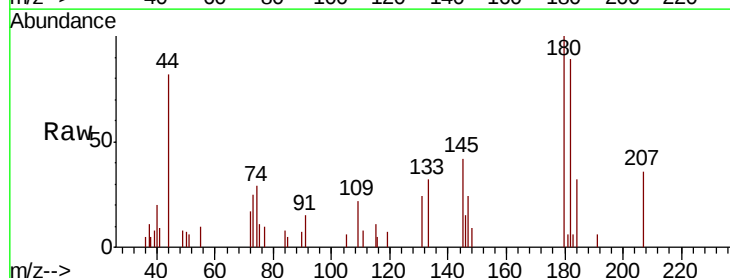
Tgt Ion: 180 Resp: 3557

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.9

145 38.0 15.2 45.5

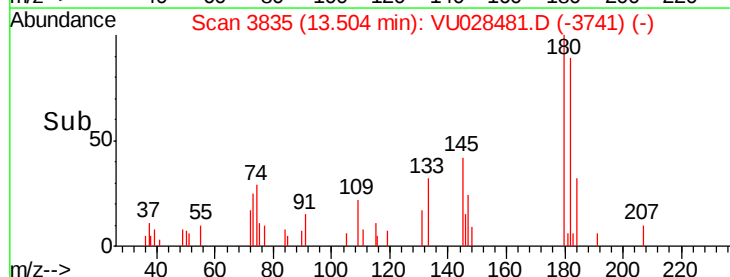


Abundance Ion 179.80 (179.50 to 180.50): VU028355.D (-3820) (-)

Ion 181.80 (181.50 to 182.50): VU028355.D (-3820) (-)

Ion 144.80 (144.50 to 145.50): VU028355.D (-3820) (-)

Time-->

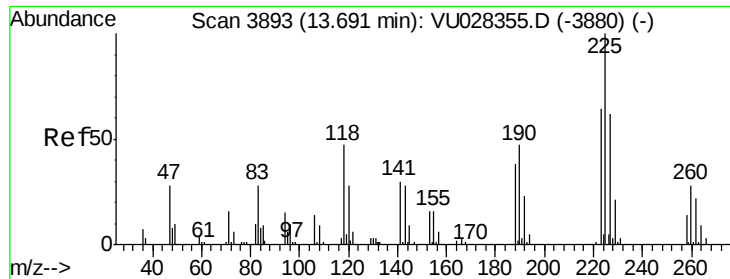


Abundance Ion 179.80 (179.50 to 180.50): VU028481.D (-3741) (-)

Ion 181.80 (181.50 to 182.50): VU028481.D (-3741) (-)

Ion 144.80 (144.50 to 145.50): VU028481.D (-3741) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 0.340 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

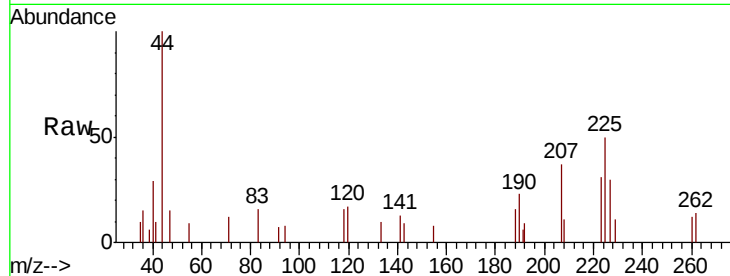
Tot Ion:225 Resp: 1114

Ion Ratio Lower Upper

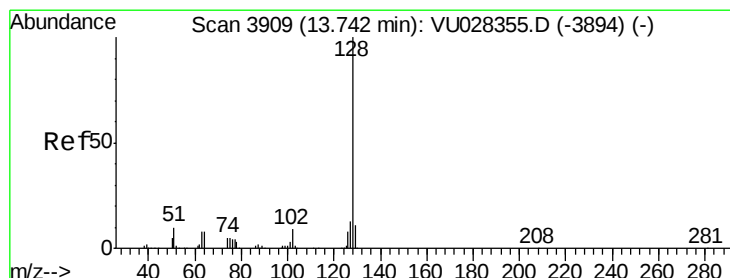
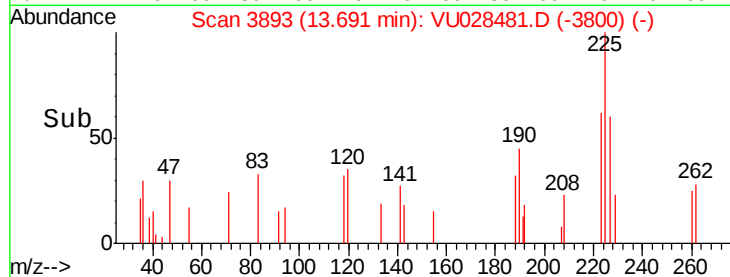
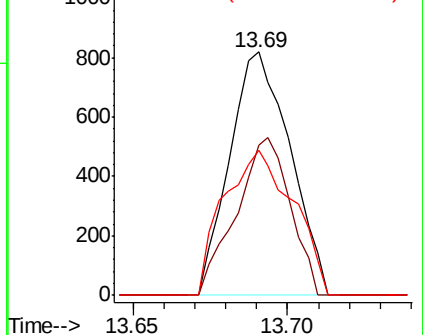
225 100

223 57.5 31.6 94.7

227 68.5 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.906 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

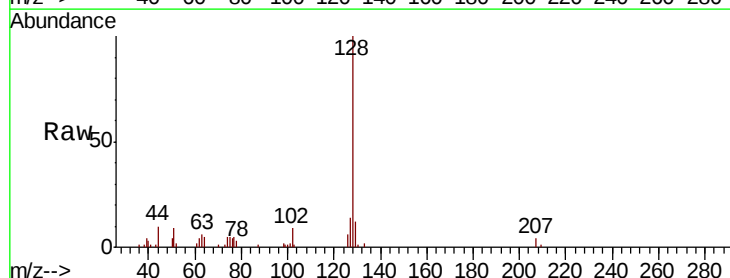
Tgt Ion:128 Resp: 30347

Ion Ratio Lower Upper

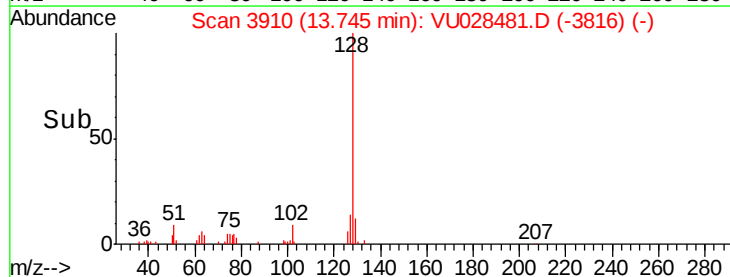
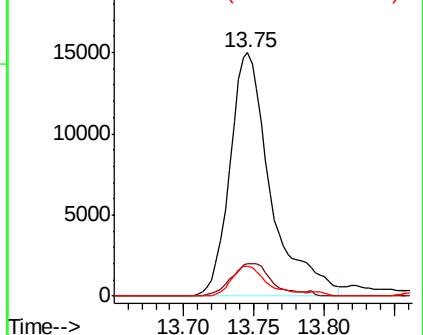
128 100

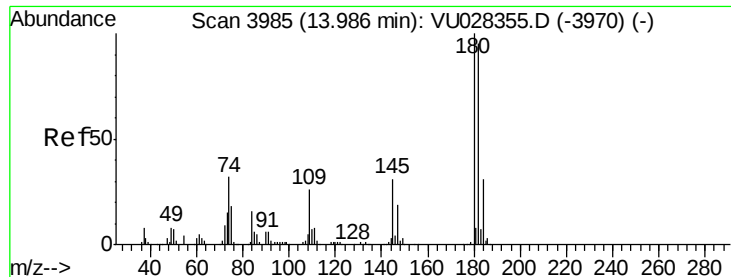
127 13.7 10.6 15.8

129 10.8 8.6 12.8



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





#96

1,2,3-Trichlorobenzene

Concen: 0.512 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028481.D

Acq: 05 Dec 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

NM-342-135-120418

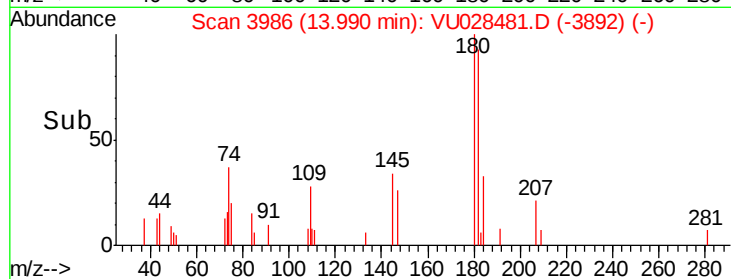
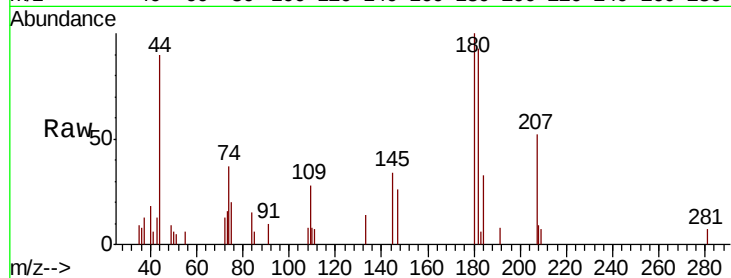
Tot Ion:180 Resp: 3592

Ion Ratio Lower Upper

180 100

182 94.7 47.7 143.1

145 33.0 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

