

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034032.D
 Acq On : 28 Aug 2019 18:51
 Operator : JC/SP
 Sample : PB122589TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122589TB

Quant Time: Aug 29 04:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	478812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	761070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	724775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	347095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	292379	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	4.86	113	242635	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	7.55	98	961308	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	10.29	95	336785	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

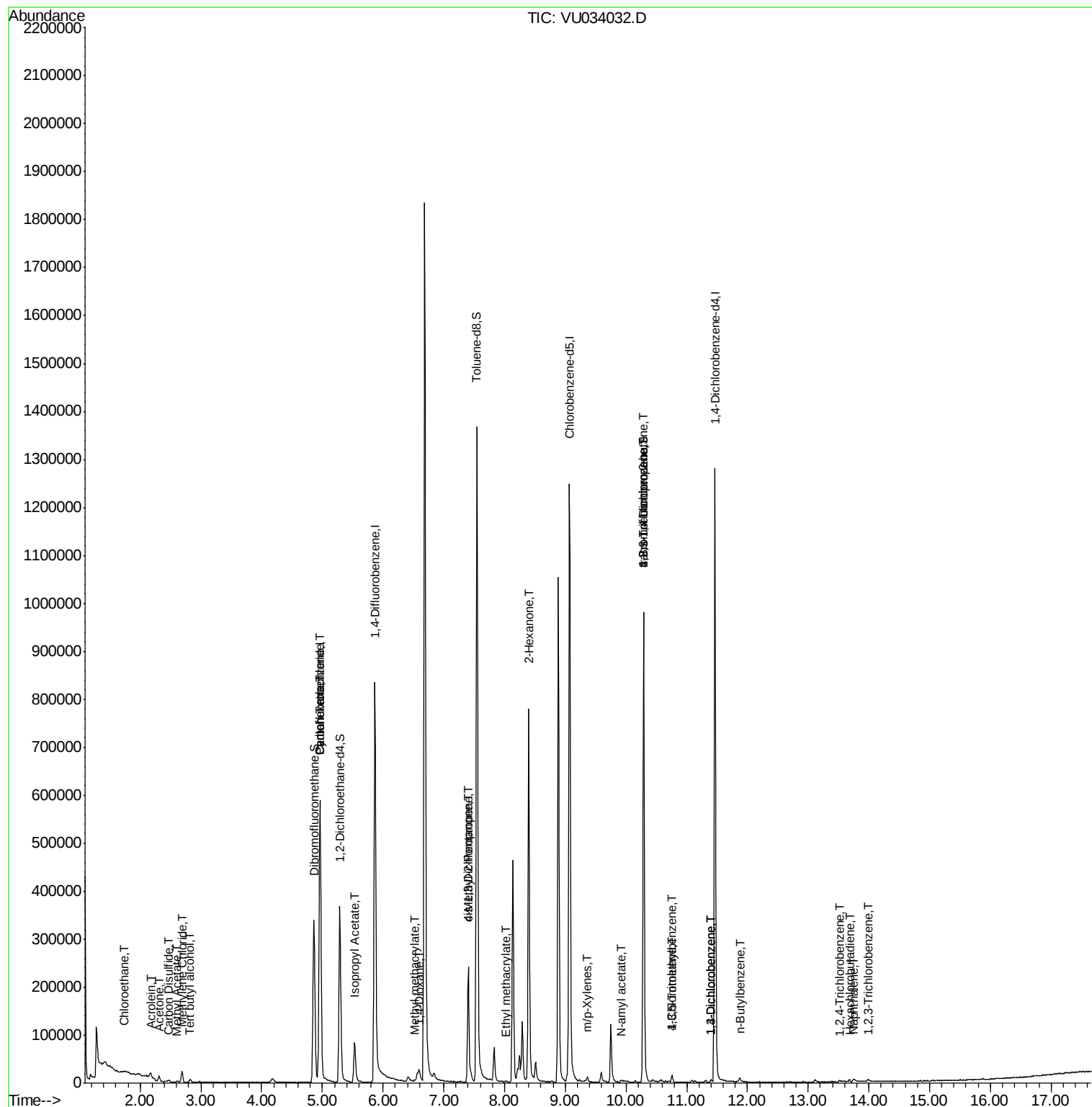
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	858	Below Cal	#	88
5) Bromomethane	1.63	94	446	Below Cal	#	71
6) Chloroethane	1.72	64	1287	0.328	ug/l #	43
11) Tert butyl alcohol	2.82	59	4460	3.152	ug/l #	73
13) Acrolein	2.18	56	387	0.650	ug/l	91
16) Acetone	2.31	43	14608	4.666	ug/l	98
17) Carbon Disulfide	2.47	76	4921	0.324	ug/l	97
18) Methyl Acetate	2.61	43	3435	0.425	ug/l #	90
20) Methylene Chloride	2.69	84	10495	1.771	ug/l	99
31) Cyclohexane	4.96	56	8690	0.949	ug/l #	1
38) Carbon Tetrachloride	4.96	117	43730	6.293	ug/l #	16
43) Isopropyl Acetate	5.53	43	100783	8.218	ug/l	99
48) Methyl methacrylate	6.52	41	5836	0.986	ug/l #	14
49) 1,4-Dioxane	6.61	88	517	3.487	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	86741	10.241	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	45560	4.973	ug/l #	63
56) Ethyl methacrylate	8.02	69	790	1.054	ug/l #	27
59) 2-Hexanone	8.40	43	116144	18.165	ug/l #	53
68) m/p-Xylenes	9.36	106	3477	0.362	ug/l	100
74) N-amyl acetate	9.92	43	2874	0.293	ug/l #	46
76) 1,2,3-Trichloropropane	10.29	75	160162	20.473	ug/l #	37
80) 1,3,5-Trimethylbenzene	10.76	105	5582	0.282	ug/l	87
81) trans-1,4-Dichloro-2-buten	10.29	75	160162	68.939	ug/l #	100
82) 4-Chlorotoluene	10.76	91	3755	0.200	ug/l	97
87) 1,3-Dichlorobenzene	11.40	146	2664	0.240	ug/l	96
88) 1,4-Dichlorobenzene	11.40	146	2664	0.237	ug/l	97
89) n-Butylbenzene	11.88	91	3896	0.210	ug/l	88
93) 1,2,4-Trichlorobenzene	13.51	180	1569	1.317	ug/l #	52
94) Hexachlorobutadiene	13.68	225	1251	0.301	ug/l	89
95) Naphthalene	13.75	128	5387	2.030	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.99	180	3214	0.472	ug/l	86

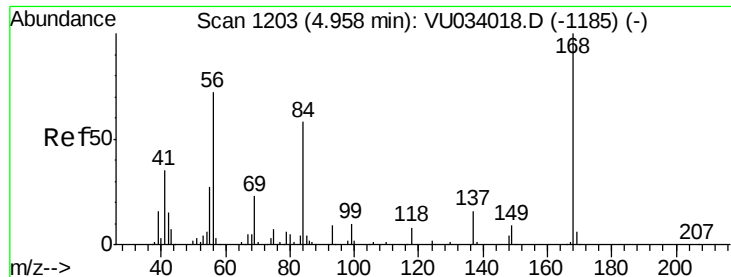
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

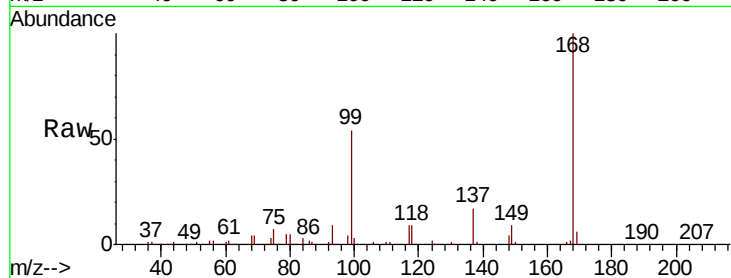
PB122589TB

Tgt Ion:168 Resp: 478812

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

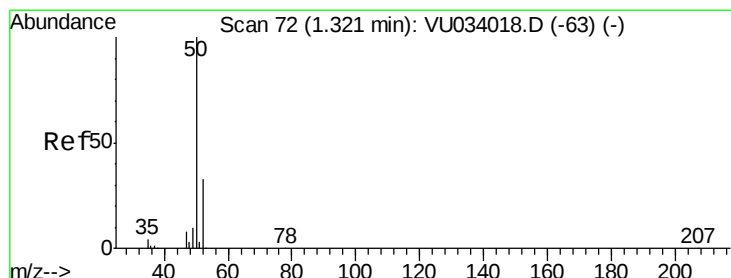
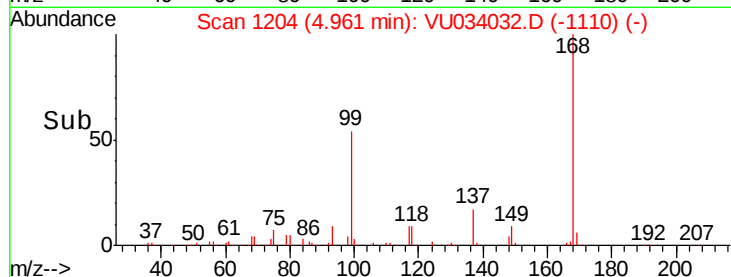
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034032.D

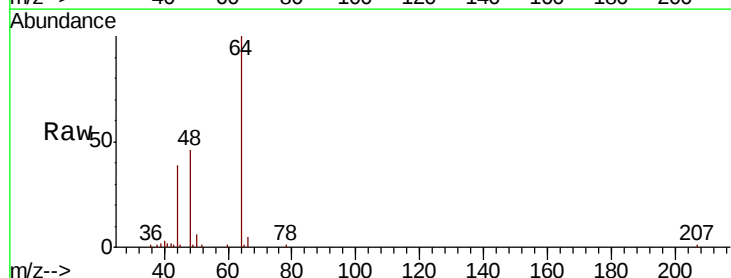
Acq: 28 Aug 2019 18:51

Tgt Ion: 50 Resp: 858

Ion Ratio Lower Upper

50 100

52 25.8 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

1500

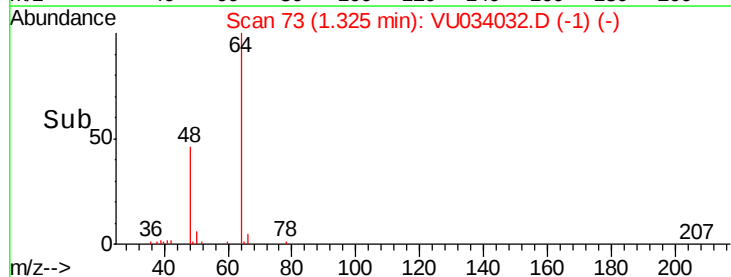
1000

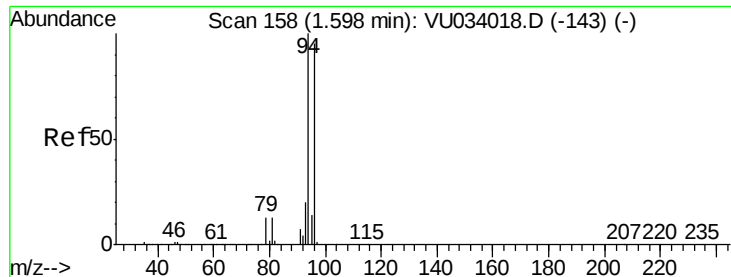
500

0

1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

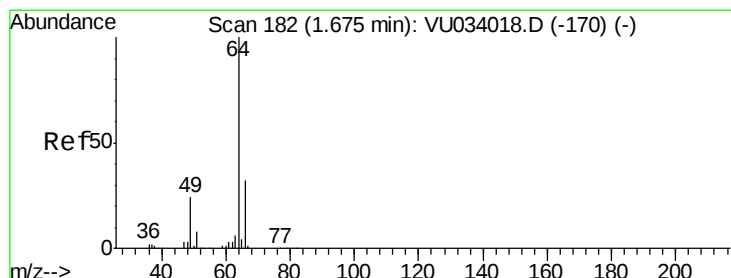
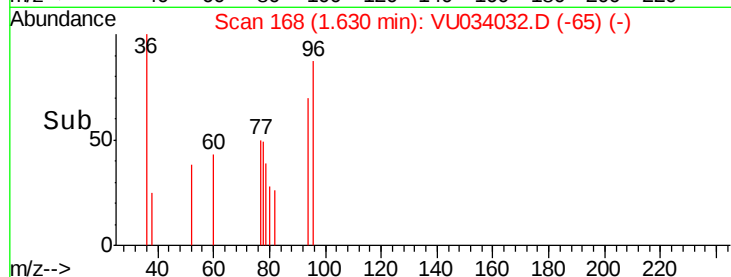
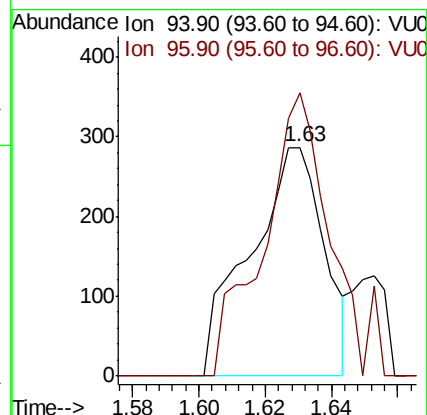
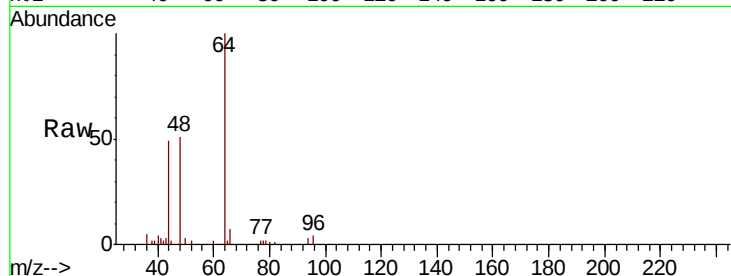
PB122589TB

Tgt Ion: 94 Resp: 446

Ion Ratio Lower Upper

94 100

96 123.7 76.3 114.5#



#6

Chloroethane

Concen: 0.328 ug/l

RT: 1.72 min Scan# 197

Delta R.T. 0.05 min

Lab File: VU034032.D

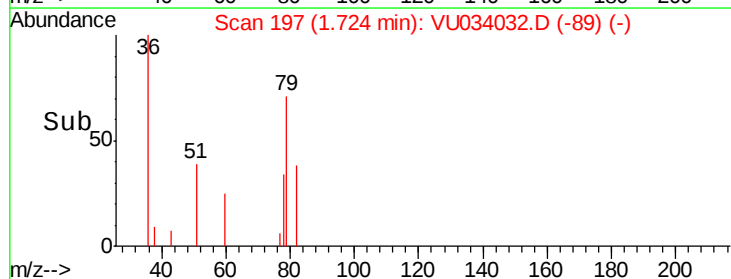
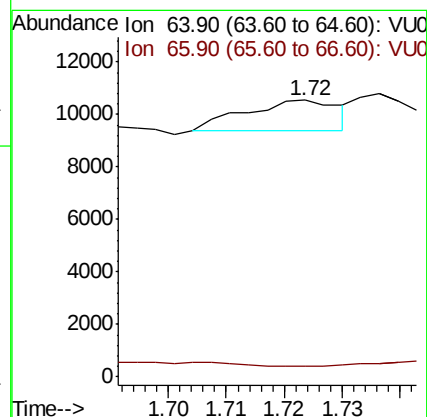
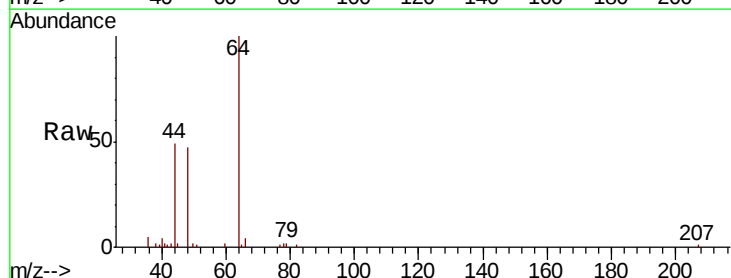
Acq: 28 Aug 2019 18:51

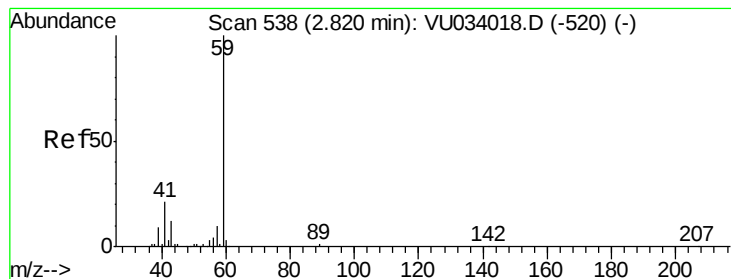
Tgt Ion: 64 Resp: 1287

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



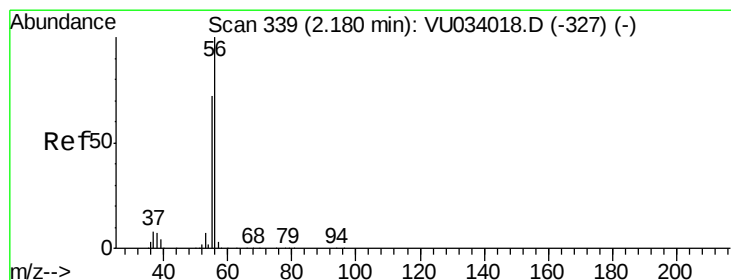
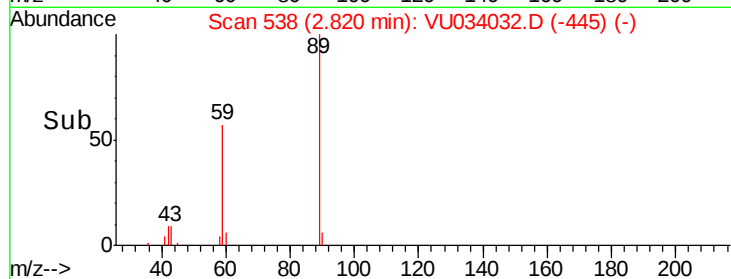
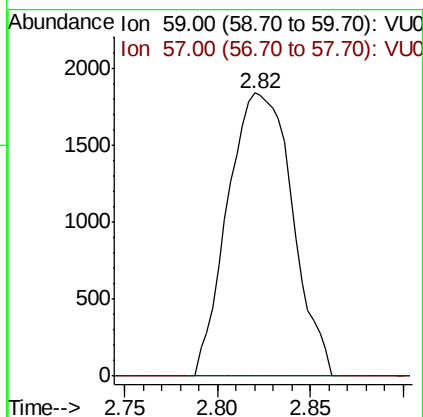
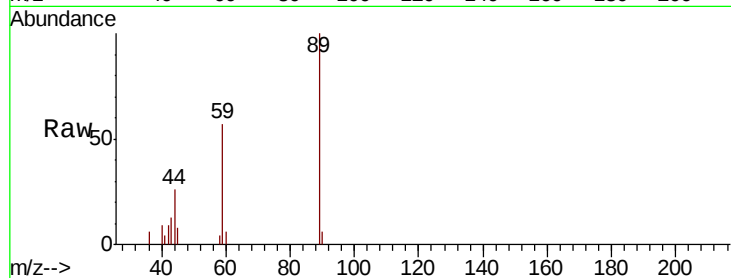


#11

Tert butyl alcohol
 Concen: 3.152 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU034032.D
 Acq: 28 Aug 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122589TB

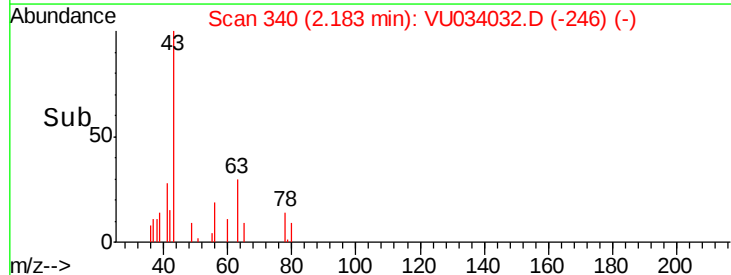
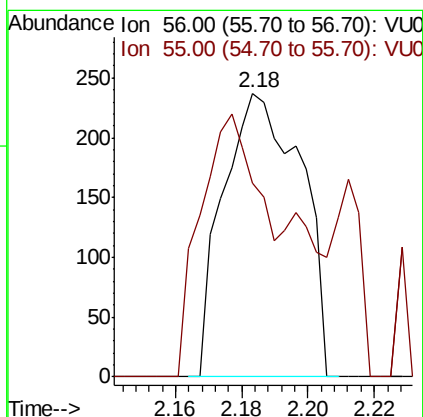
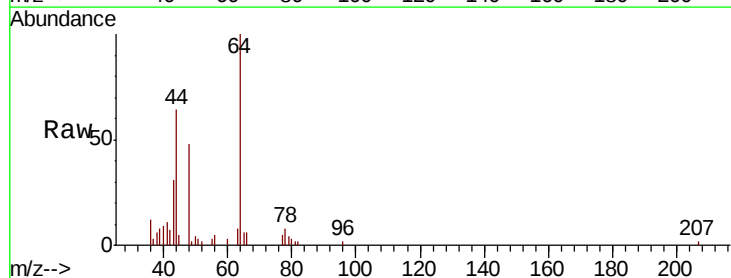
Tgt Ion: 59 Resp: 4460
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

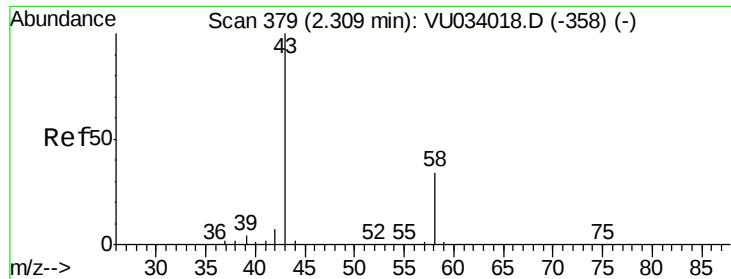


#13

Acrolein
 Concen: 0.650 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VU034032.D
 Acq: 28 Aug 2019 18:51

Tgt Ion: 56 Resp: 387
 Ion Ratio Lower Upper
 56 100
 55 78.6 57.1 85.7





#16

Acetone

Concen: 4.666 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

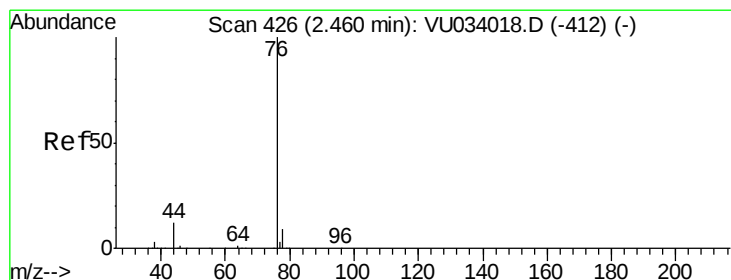
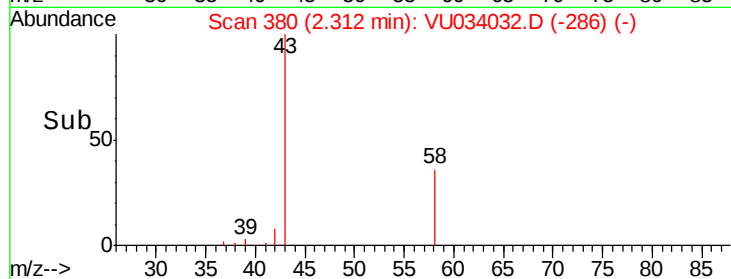
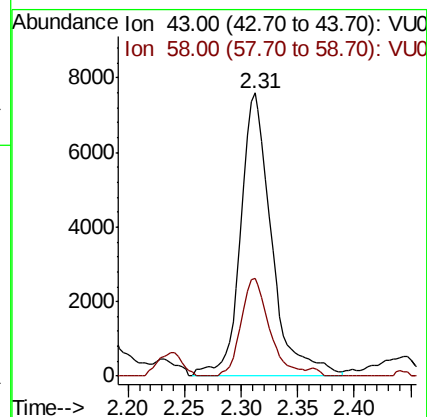
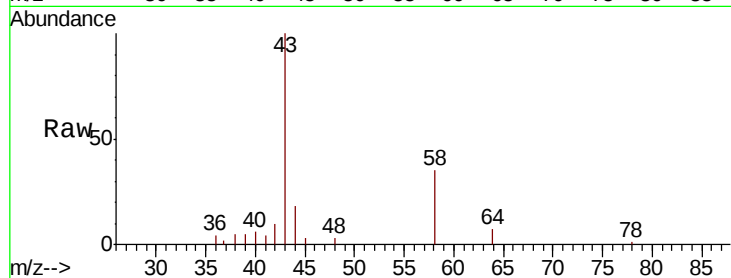
PB122589TB

Tgt Ion: 43 Resp: 14608

Ion Ratio Lower Upper

43 100

58 34.6 26.8 40.2



#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034032.D

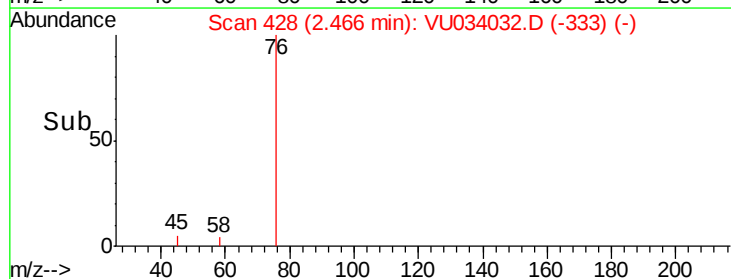
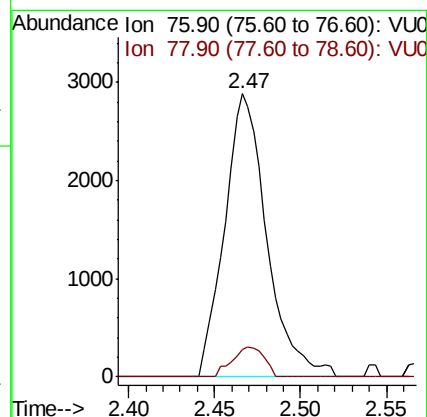
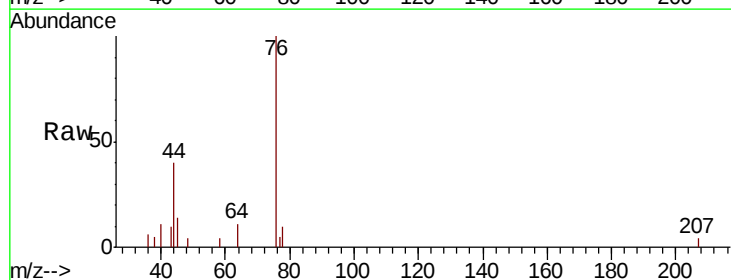
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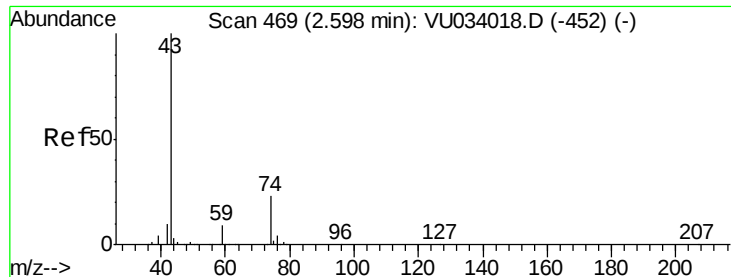
Tgt Ion: 76 Resp: 4921

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

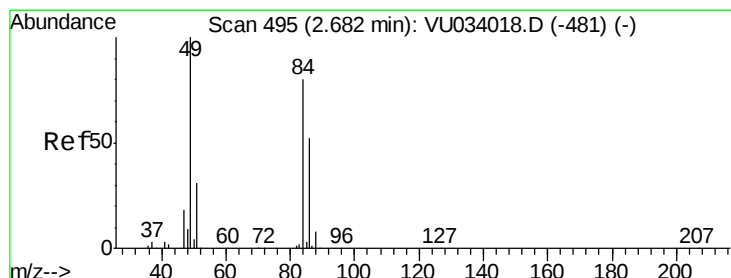
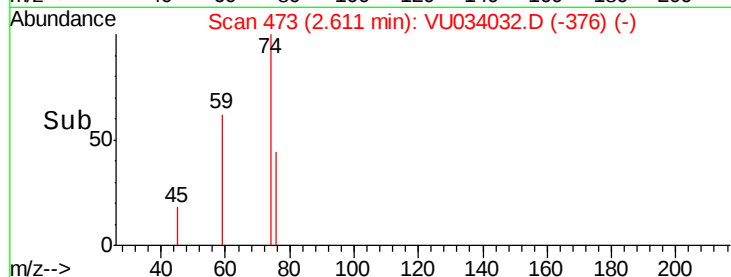
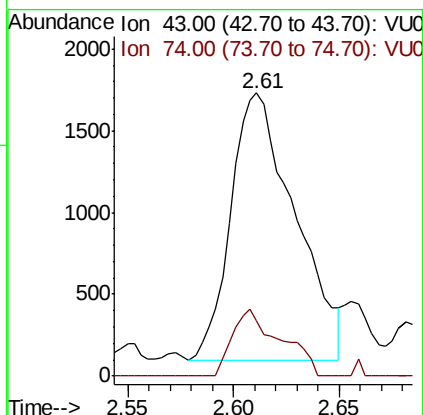
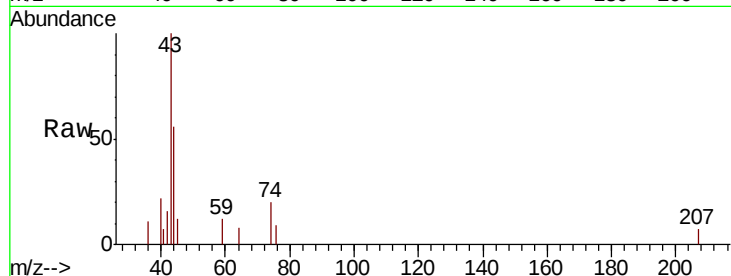




#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

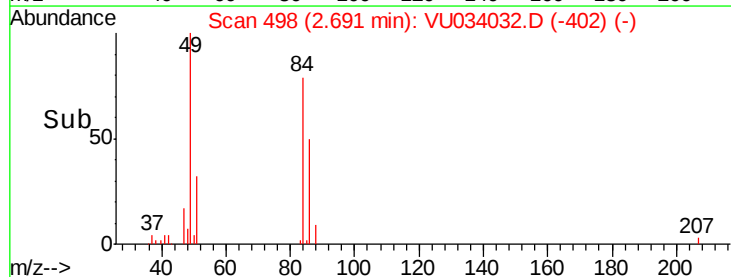
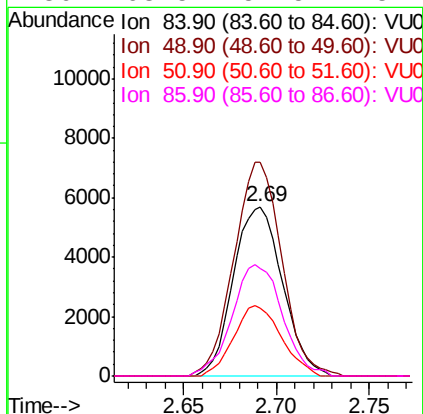
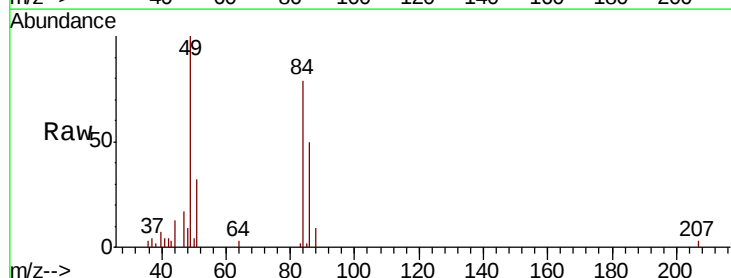
Instrument :
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ClientSampleId :
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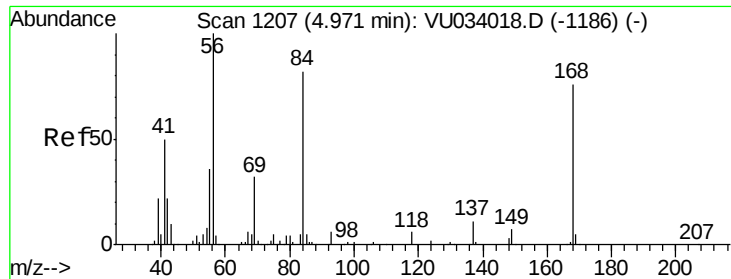
Tgt Ion: 43 Resp: 3435
Ion Ratio Lower Upper
43 100
74 19.0 19.2 28.8#



#20
Methylene Chloride
Concen: 1.771 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Tgt Ion: 84 Resp: 10495
Ion Ratio Lower Upper
84 100
49 126.0 100.2 150.4
51 39.8 30.8 46.2
86 63.5 52.5 78.7

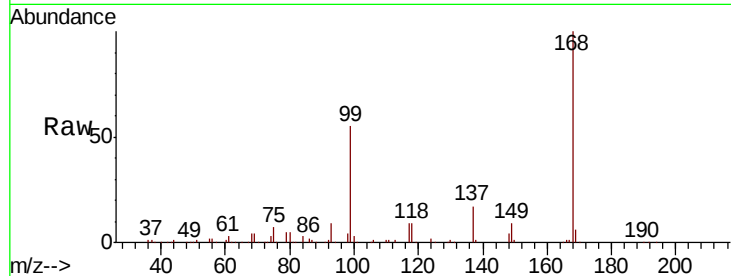




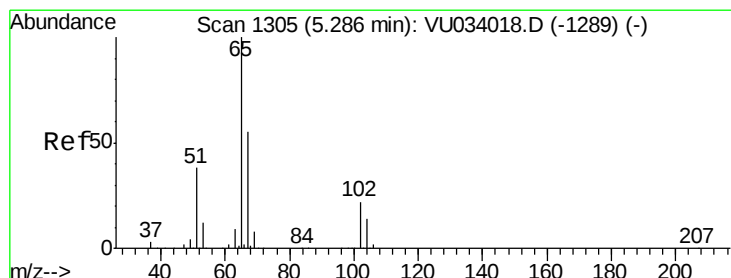
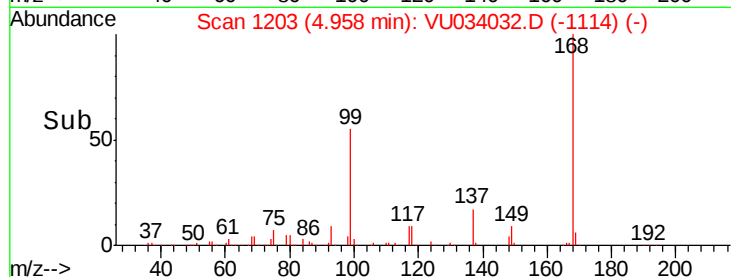
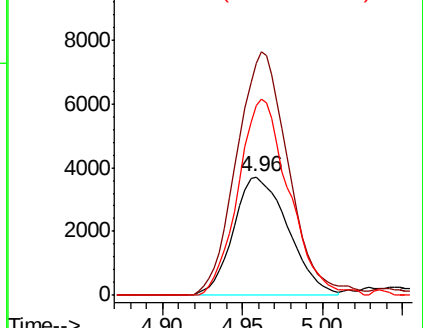
#31
Cyclohexane
Concen: 0.949 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Instrument :
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Tgt Ion: 56 Resp: 8690
Ion Ratio Lower Upper
56 100
69 196.5 25.4 38.0#
84 160.2 65.8 98.8#

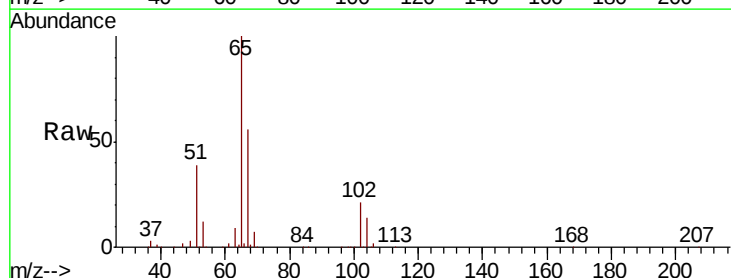


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

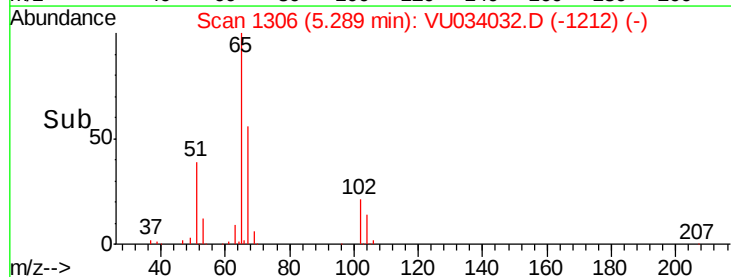
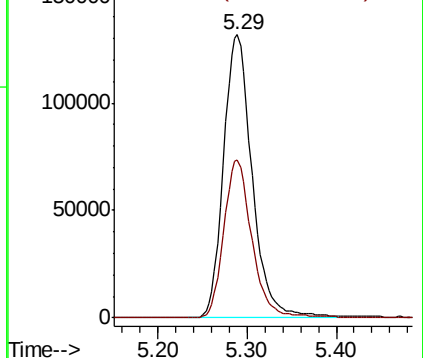


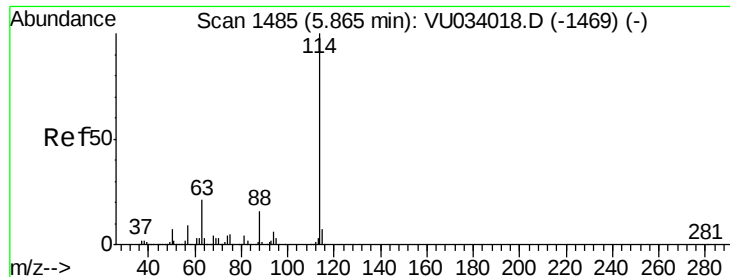
#33
1,2-Dichloroethane-d4
Concen: 47.656 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Tgt Ion: 65 Resp: 292379
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.6



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: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

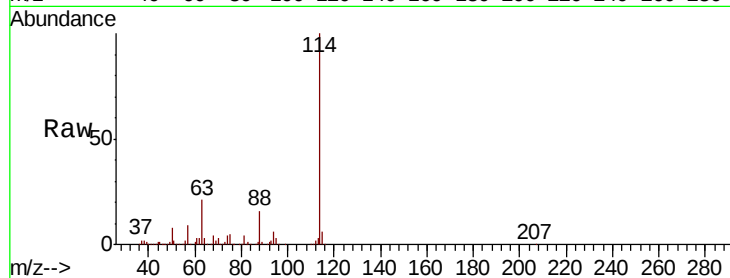
Tgt Ion:114 Resp: 761070

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

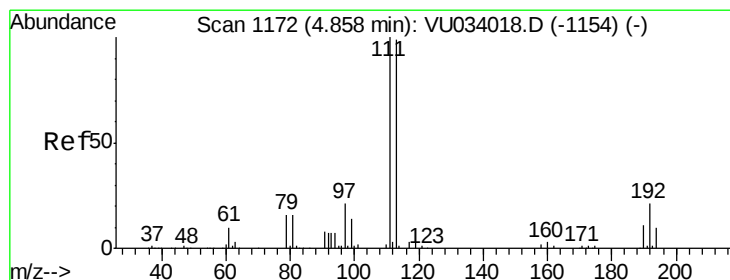
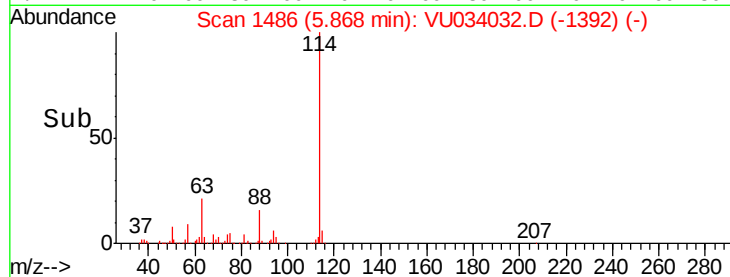
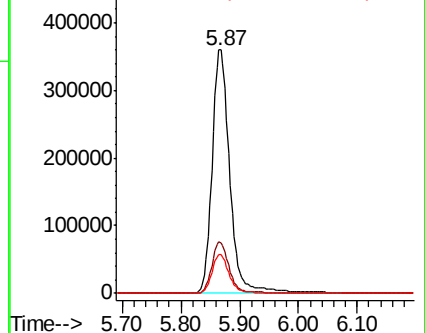
88 15.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 45.965 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

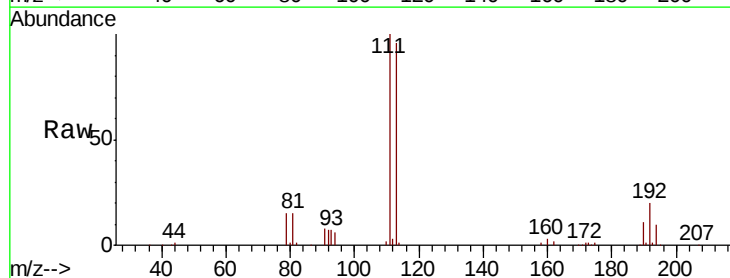
Tgt Ion:113 Resp: 242635

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

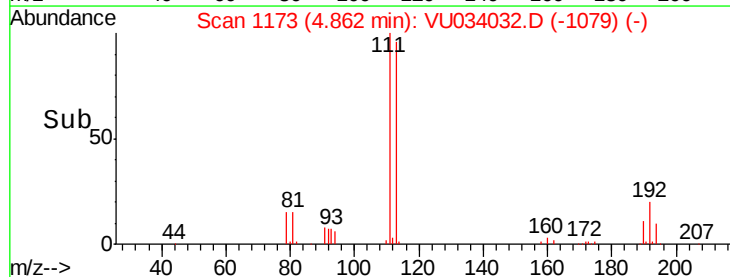
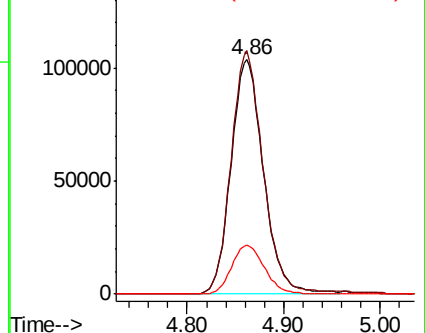
192 20.9 17.1 25.7

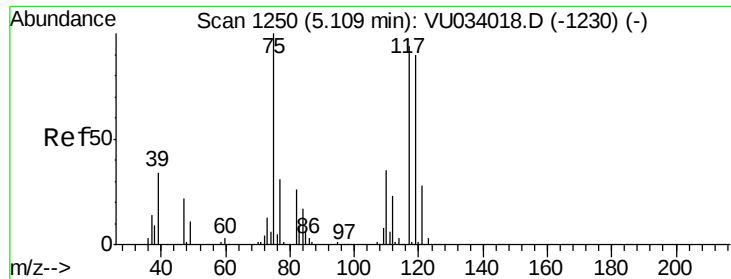


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

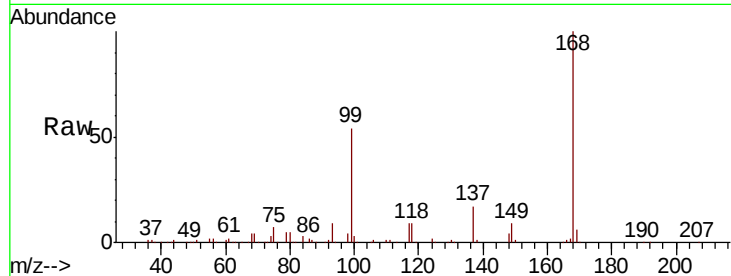
Tgt Ion:117 Resp: 43730

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.4#

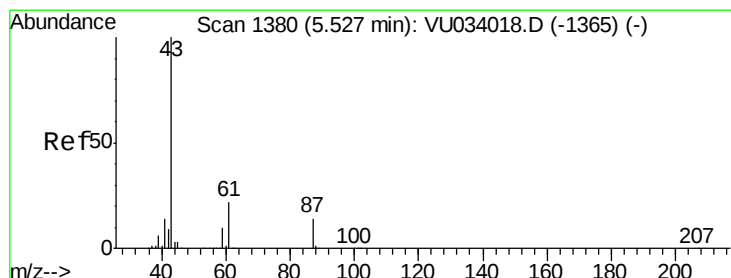
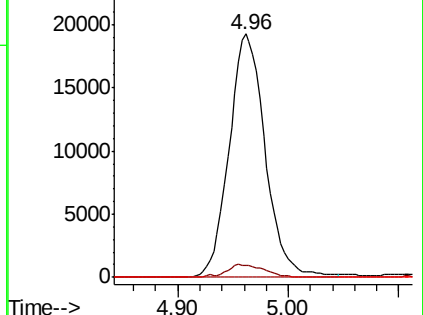
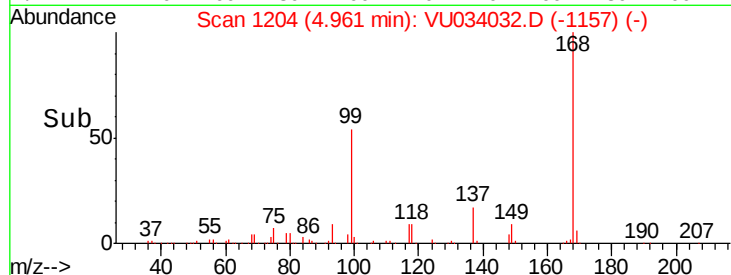
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.218 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

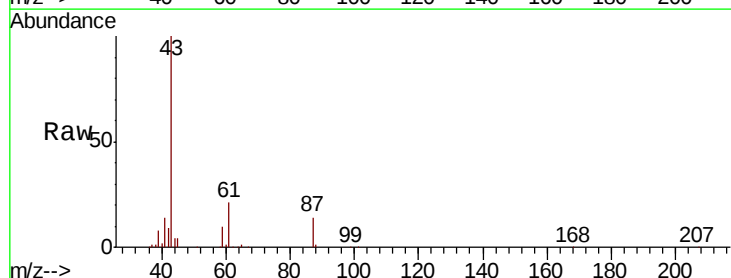
Tgt Ion: 43 Resp: 100783

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

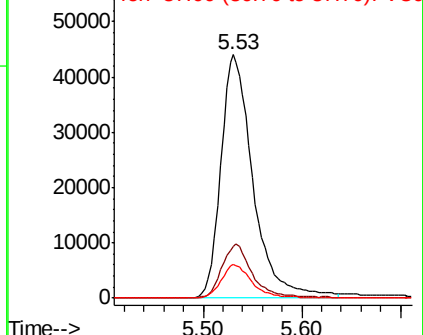
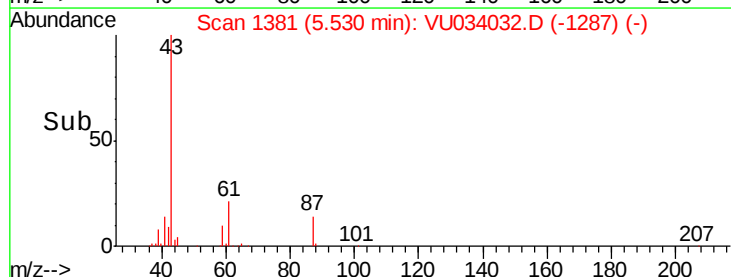
87 13.1 10.8 16.2

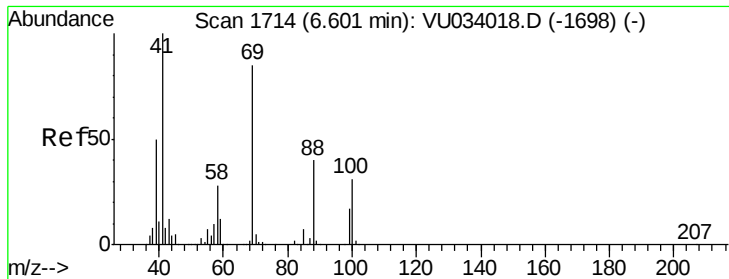


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

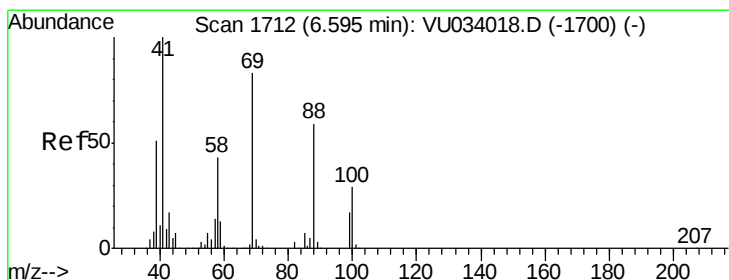
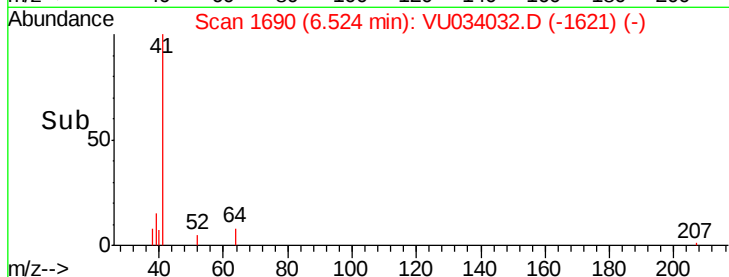
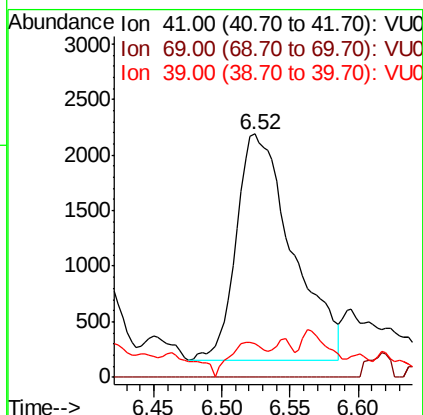
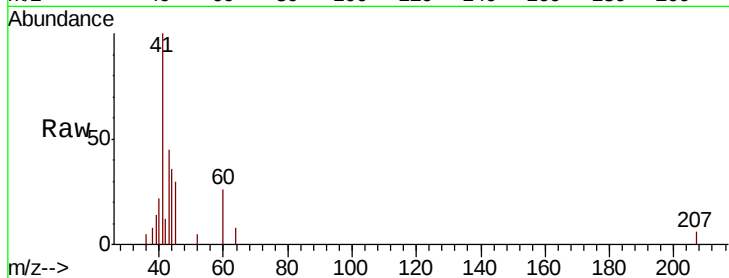




#48
Methyl methacrylate
Concen: 0.986 ug/l
RT: 6.52 min Scan# 1690
Delta R.T. -0.08 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

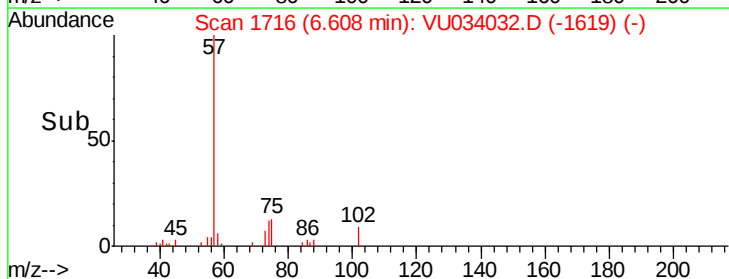
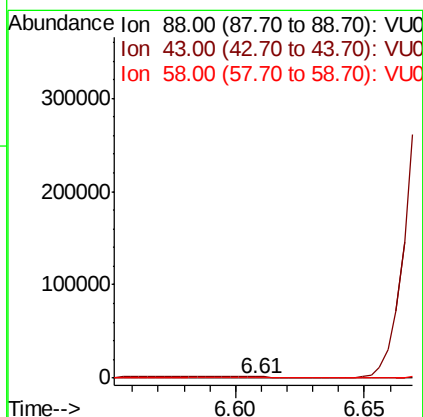
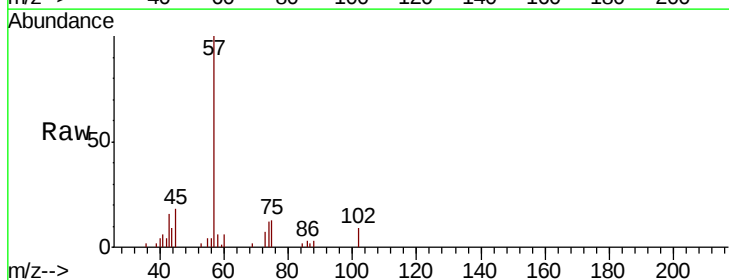
Instrument :
MSVOA_U
ClientSampleId :
PB122589TB

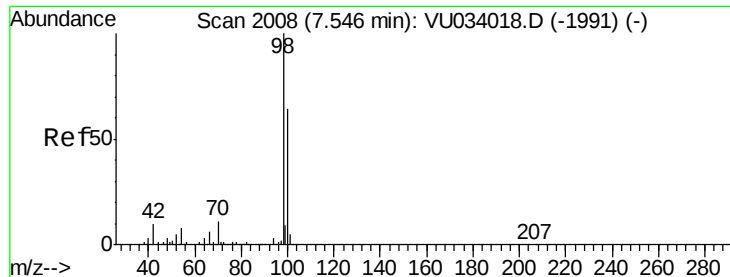
Tgt Ion: 41 Resp: 5836
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#49
1,4-Dioxane
Concen: 3.487 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.01 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 0.0 24.8 37.2#
58 236.6 59.3 88.9#





#50

Toluene-d8

Concen: 48.636 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

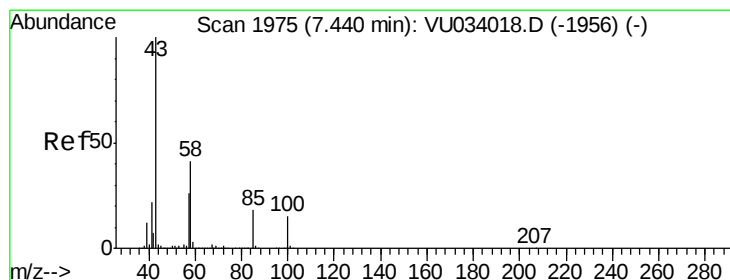
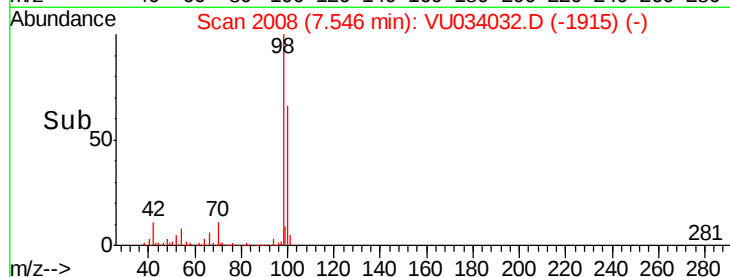
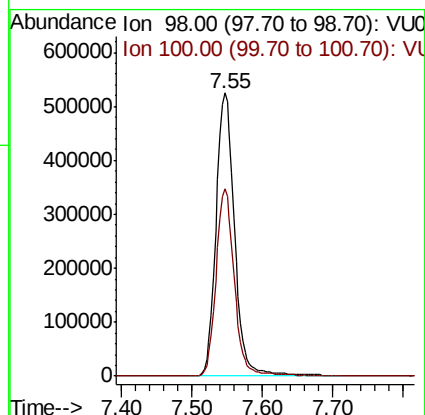
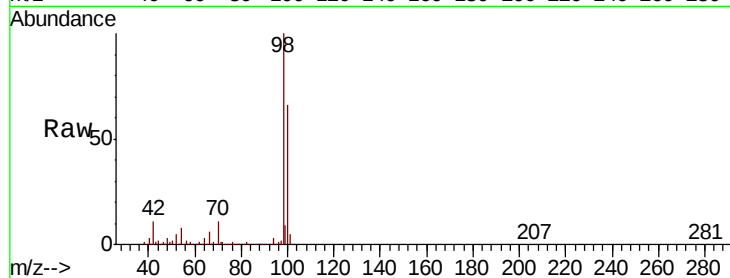
PB122589TB

Tgt Ion: 98 Resp: 961308

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 10.241 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034032.D

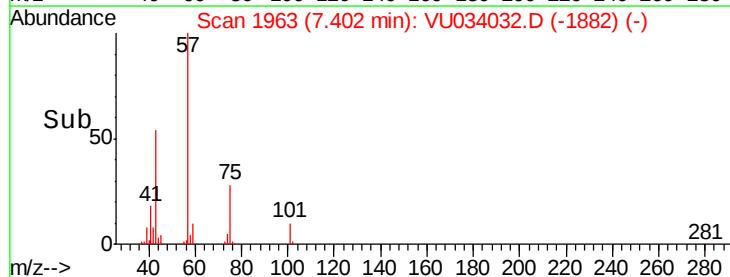
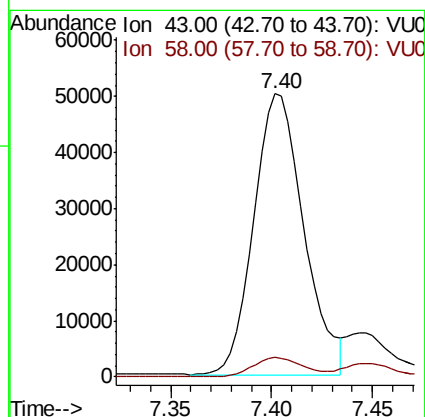
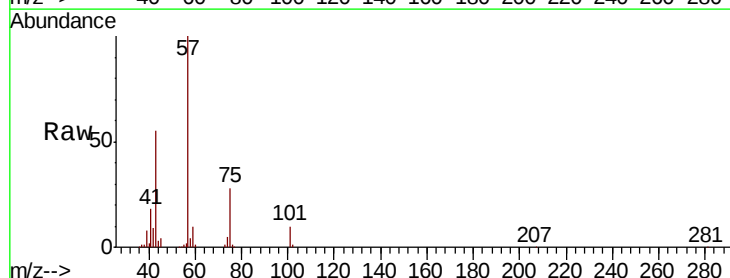
Acq: 28 Aug 2019 18:51

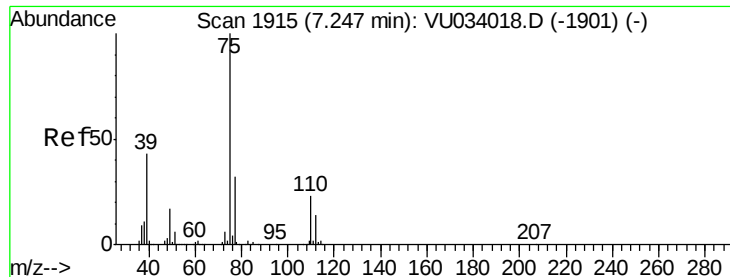
Tgt Ion: 43 Resp: 86741

Ion Ratio Lower Upper

43 100

58 7.0 32.2 48.4#



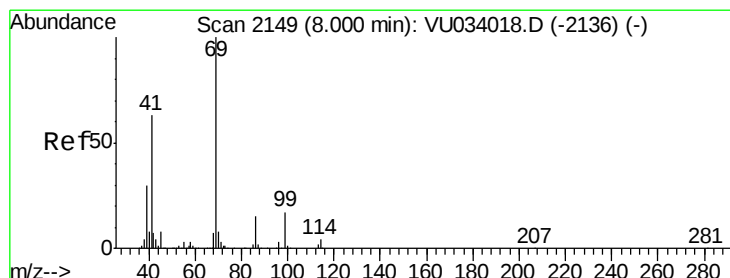
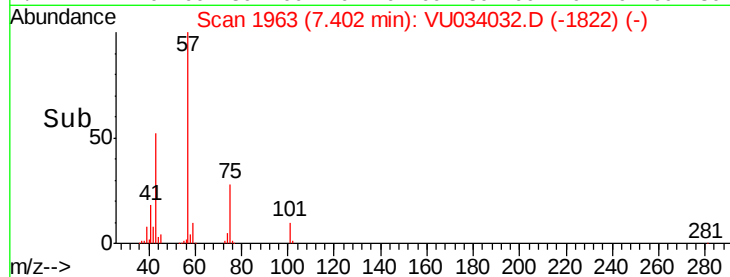
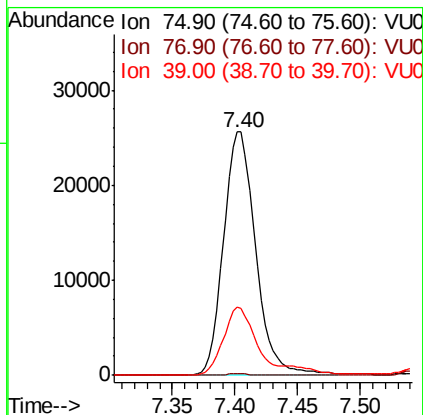
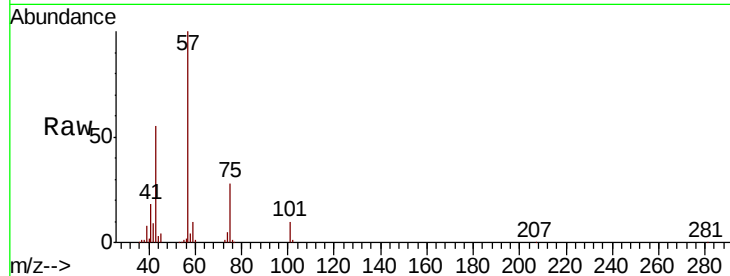


#54

cis-1,3-Dichloropropene
 Concen: 4.973 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034032.D
 Acq: 28 Aug 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122589TB

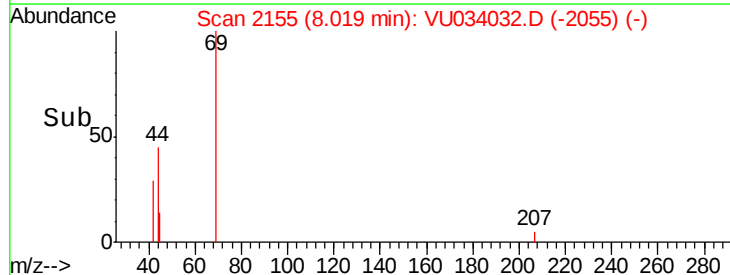
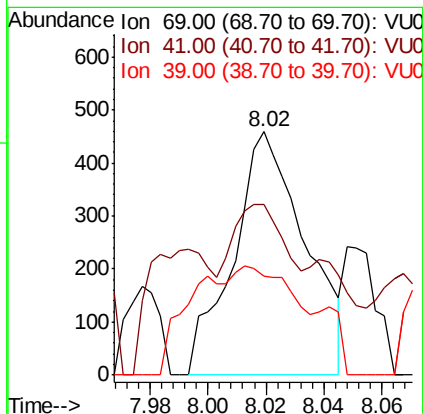
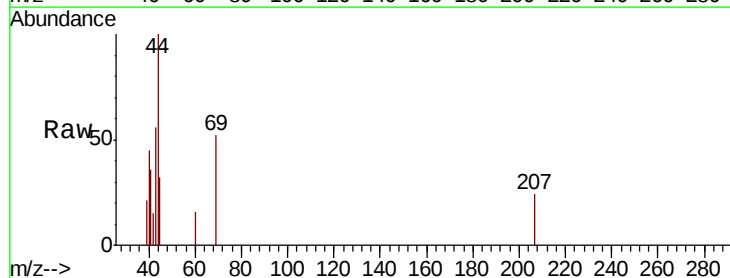
Tgt Ion: 75 Resp: 45560
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 28.1 34.6 51.8#

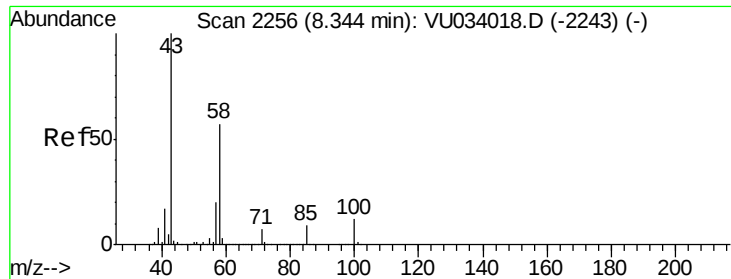


#56

Ethyl methacrylate
 Concen: 1.054 ug/l
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.02 min
 Lab File: VU034032.D
 Acq: 28 Aug 2019 18:51

Tgt Ion: 69 Resp: 790
 Ion Ratio Lower Upper
 69 100
 41 0.0 50.7 76.1#
 39 0.0 24.2 36.2#

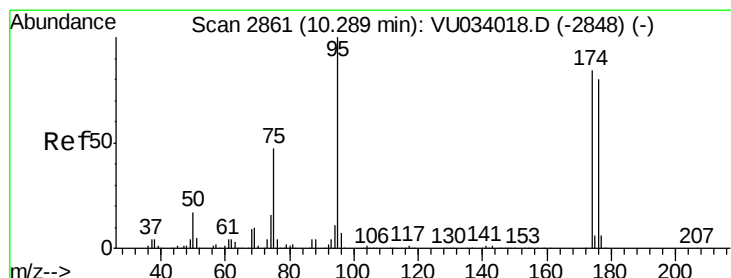
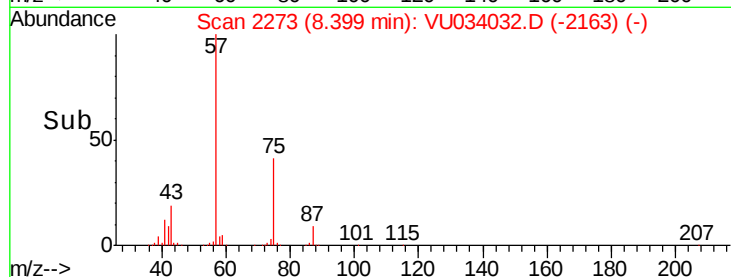
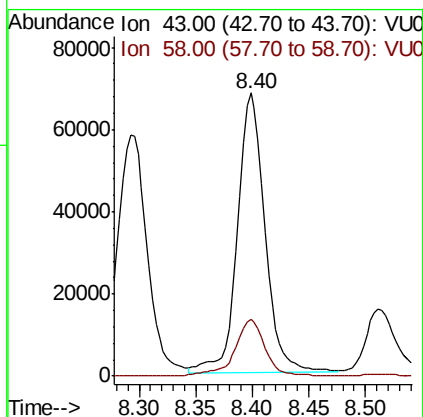
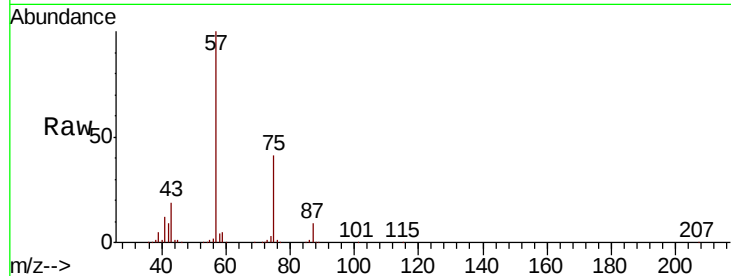




#59
2-Hexanone
Concen: 18.165 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

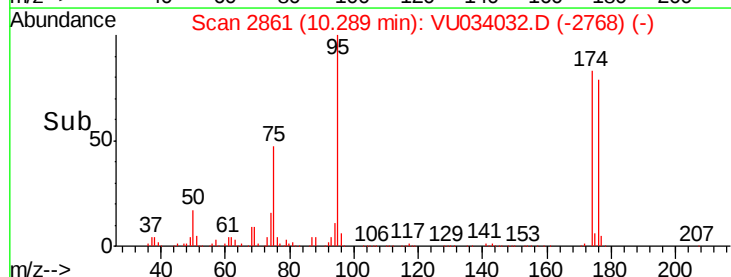
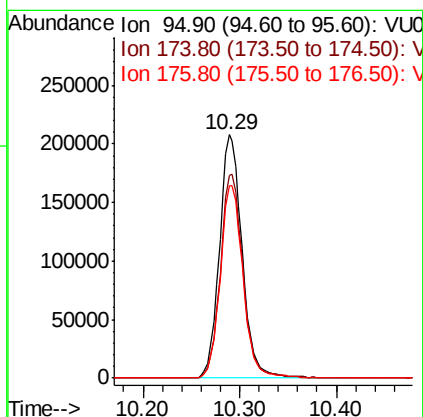
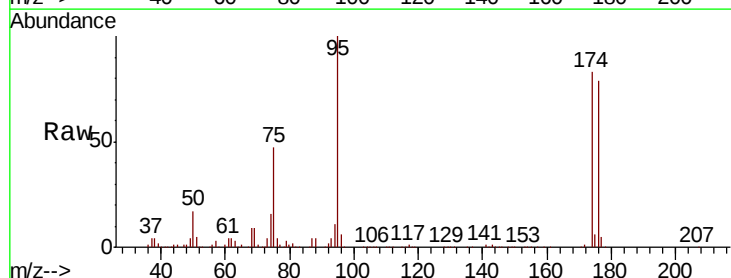
Instrument :
MSVOA_U
ClientSampleId :
PB122589TB

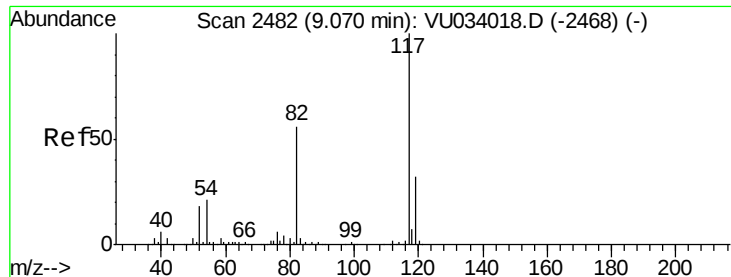
Tgt Ion: 43 Resp: 116144
Ion Ratio Lower Upper
43 100
58 22.5 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 43.803 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Tgt Ion: 95 Resp: 336785
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.8
176 79.9 0.0 161.8

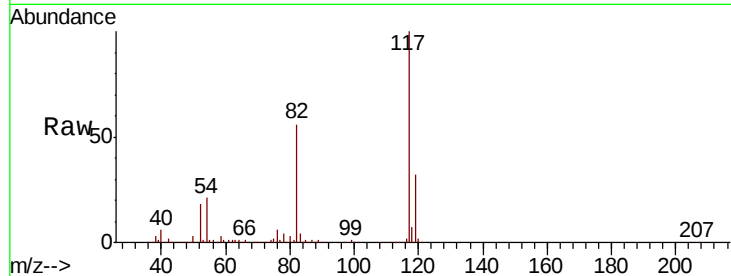




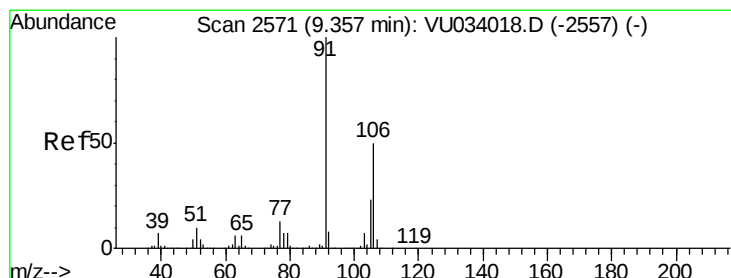
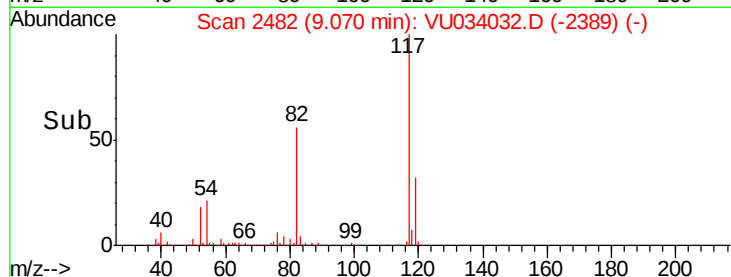
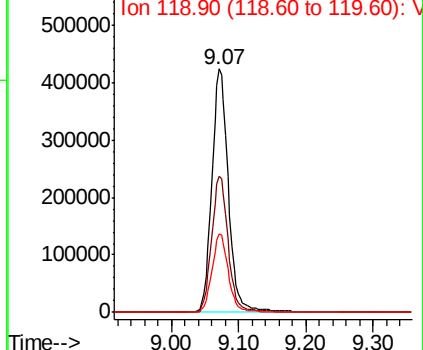
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Instrument :
MSVOA_U
ClientSampleId :
PB122589TB

Tgt Ion:117 Resp: 724775
Ion Ratio Lower Upper
117 100
82 56.2 45.1 67.7
119 32.1 25.4 38.0

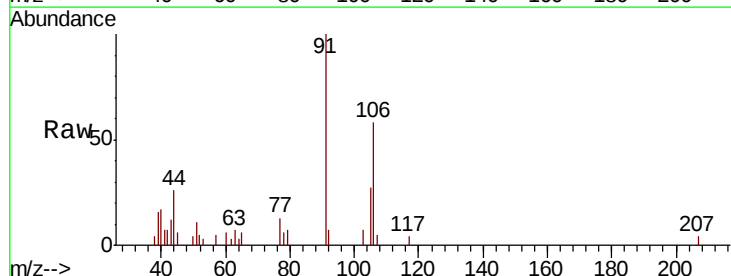


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

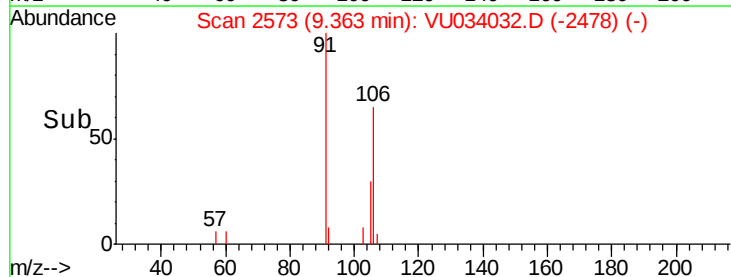
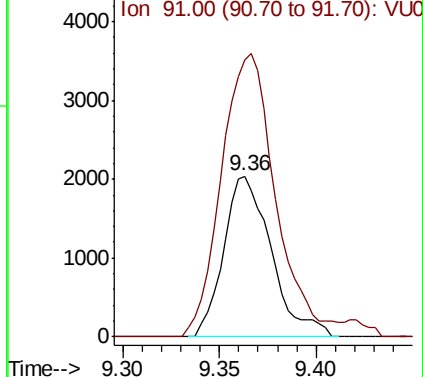


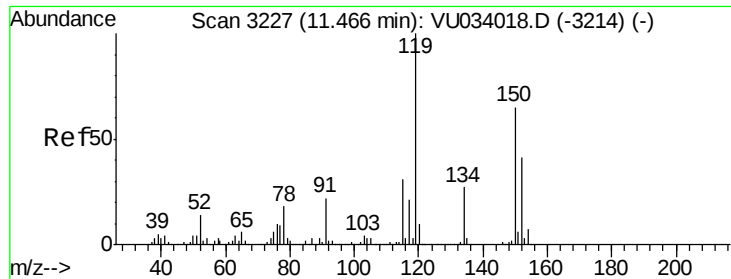
#68
m/p-Xylenes
Concen: 0.362 ug/l
RT: 9.36 min Scan# 2573
Delta R.T. 0.01 min
Lab File: VU034032.D
Acq: 28 Aug 2019 18:51

Tgt Ion:106 Resp: 3477
Ion Ratio Lower Upper
106 100
91 201.8 161.6 242.4



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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

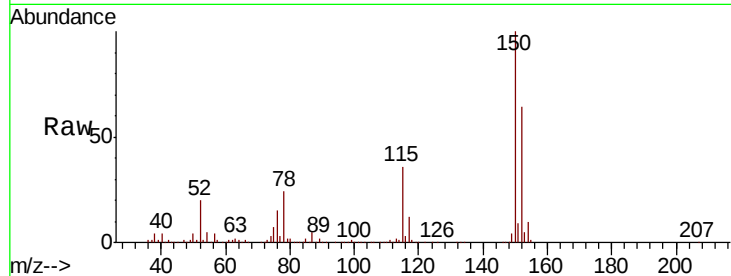
Tgt Ion:152 Resp: 347095

Ion Ratio Lower Upper

152 100

115 57.5 41.1 123.3

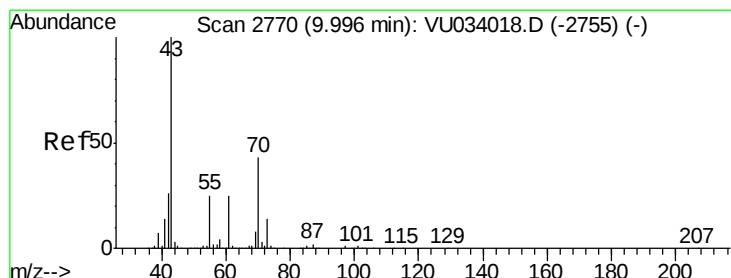
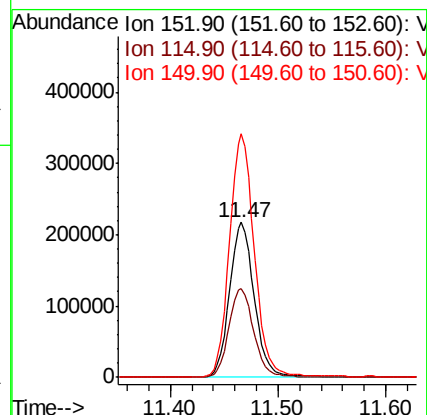
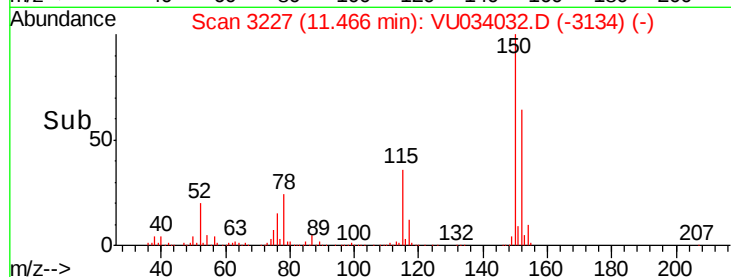
150 158.7 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.293 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.08 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Tgt Ion: 43 Resp: 2874

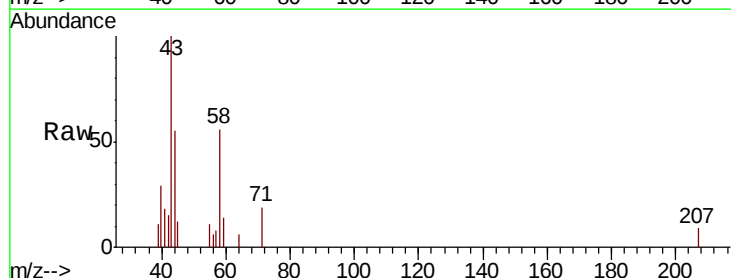
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 8.7 20.5 30.7#

61 0.0 20.0 30.0#

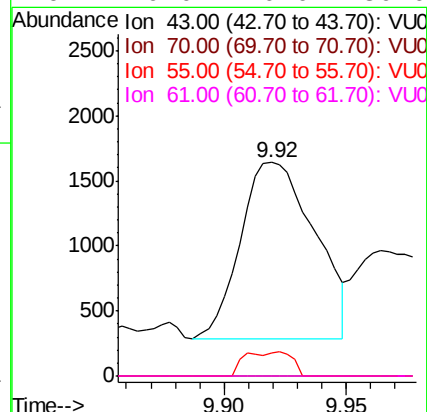
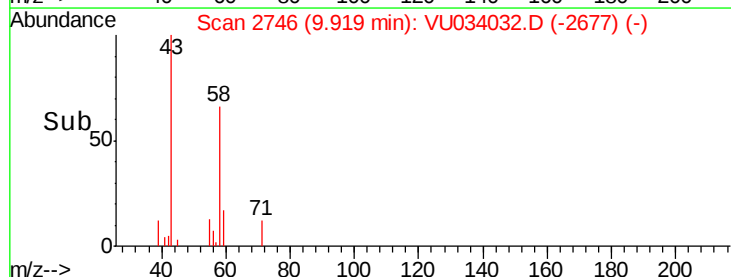


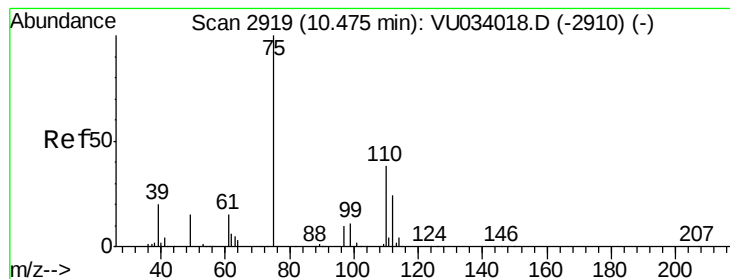
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 20.473 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

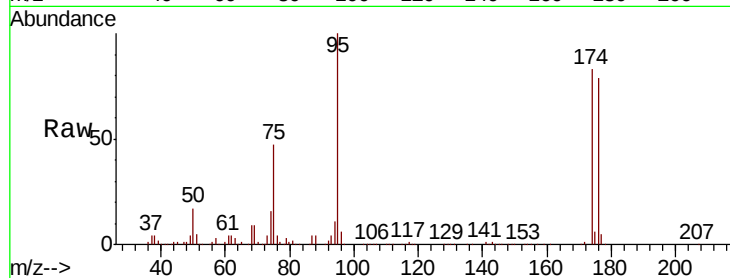
PB122589TB

Tgt Ion: 75 Resp: 160162

Ion Ratio Lower Upper

75 100

77 1.2 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU034018.D (-2910) (-)

10.29

100000

80000

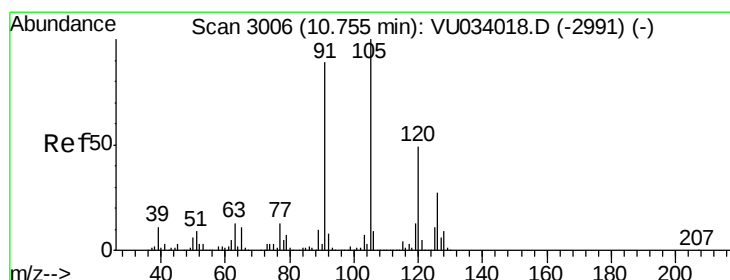
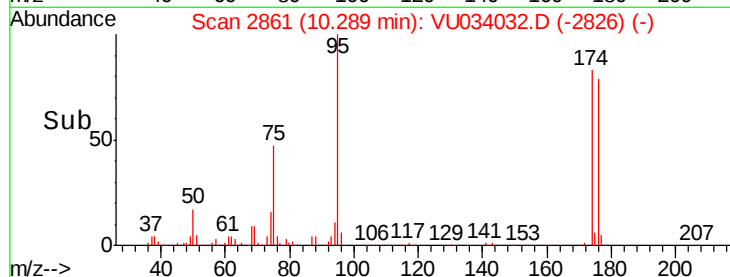
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#80

1,3,5-Trimethylbenzene

Concen: 0.282 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU034032.D

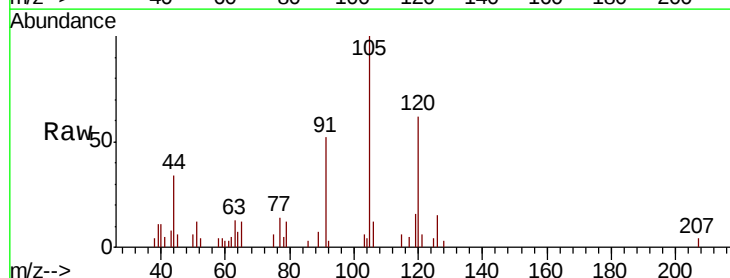
Acq: 28 Aug 2019 18:51

Tgt Ion: 105 Resp: 5582

Ion Ratio Lower Upper

105 100

120 57.8 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

10.76

4000

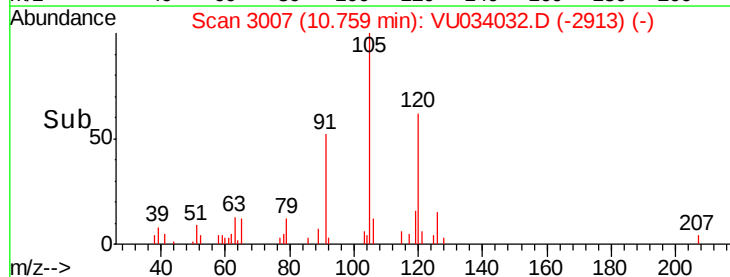
3000

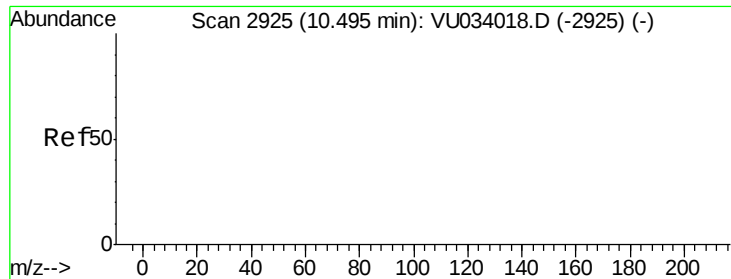
2000

1000

0

Time--> 10.70 10.75 10.80





#81

trans-1,4-Dichloro-2-butene

Concen: 68.939 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

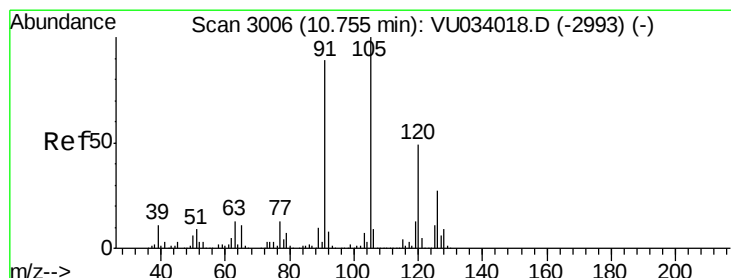
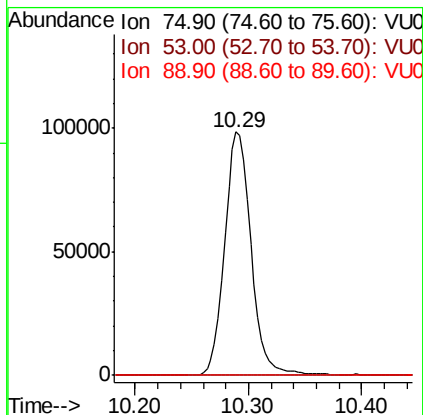
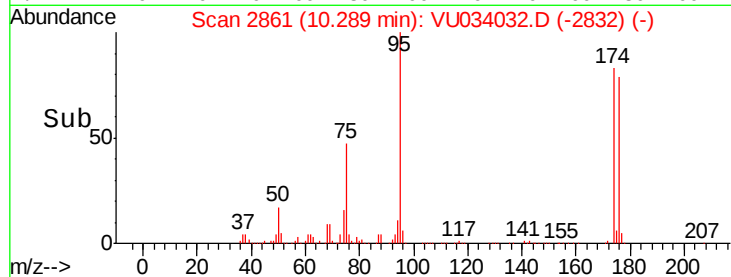
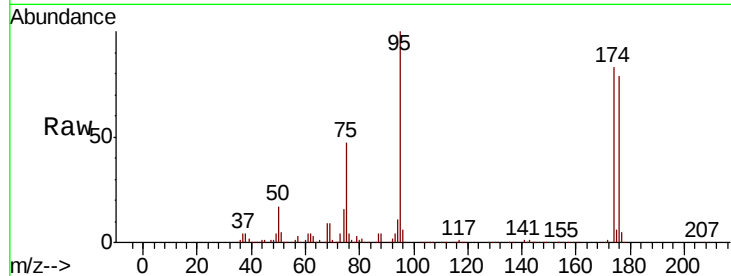
Tgt Ion: 75 Resp: 160162

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0#



#82

4-Chlorotoluene

Concen: 0.200 ug/l

RT: 10.76 min Scan# 3009

Delta R.T. 0.01 min

Lab File: VU034032.D

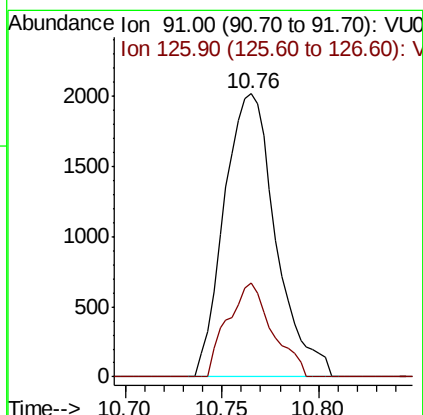
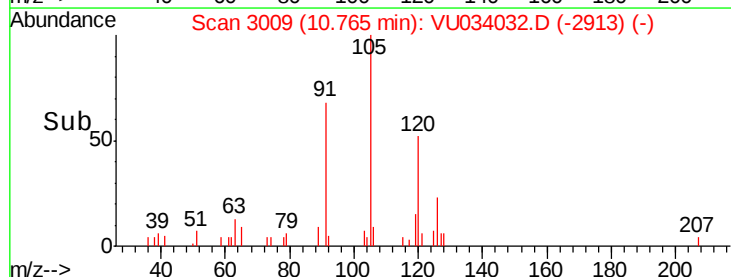
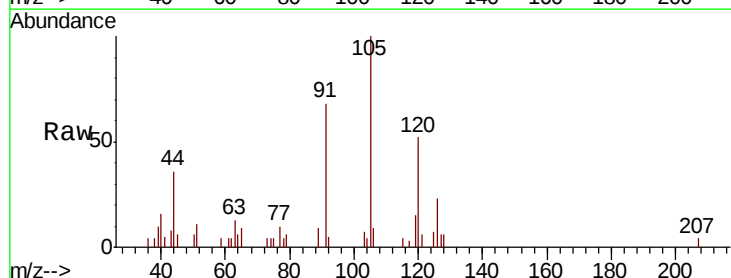
Acq: 28 Aug 2019 18:51

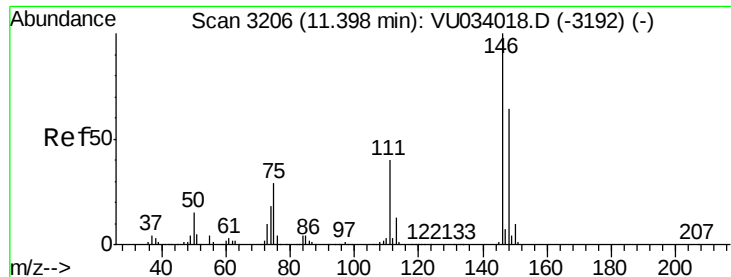
Tgt Ion: 91 Resp: 3755

Ion Ratio Lower Upper

91 100

126 28.7 15.0 45.1





#87

1,3-Dichlorobenzene

Concen: 0.240 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

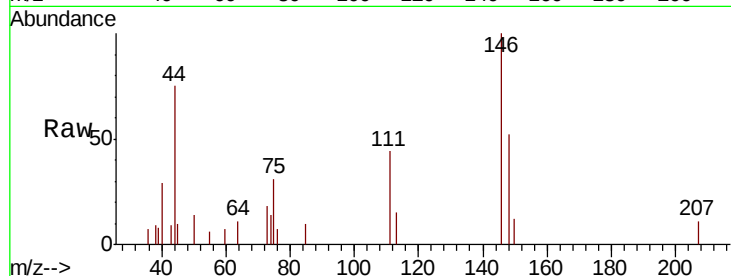
Tgt Ion:146 Resp: 2664

Ion Ratio Lower Upper

146 100

111 37.2 19.9 59.6

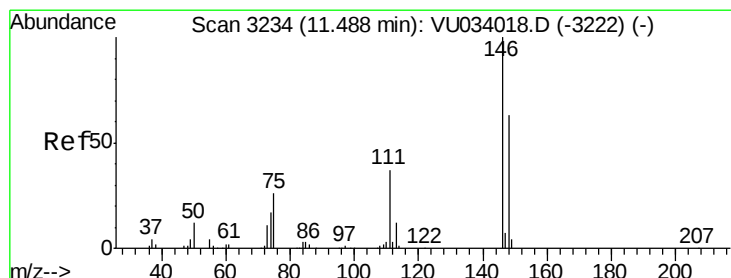
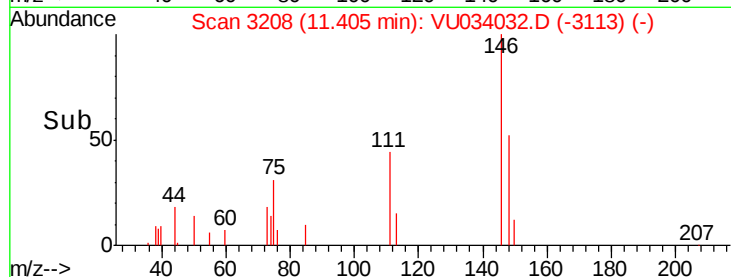
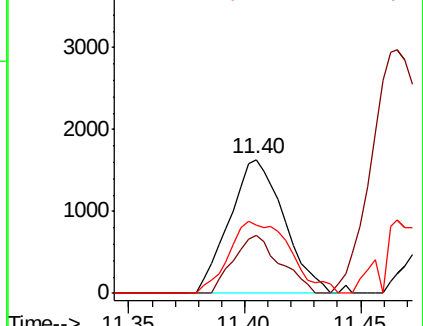
148 60.5 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 0.237 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. -0.08 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

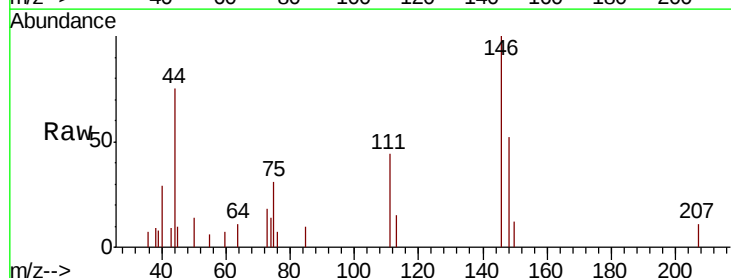
Tgt Ion:146 Resp: 2664

Ion Ratio Lower Upper

146 100

111 37.2 19.2 57.6

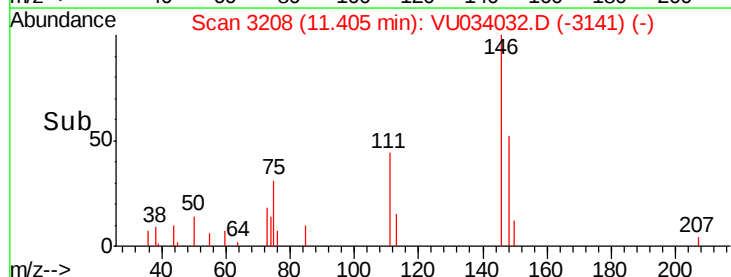
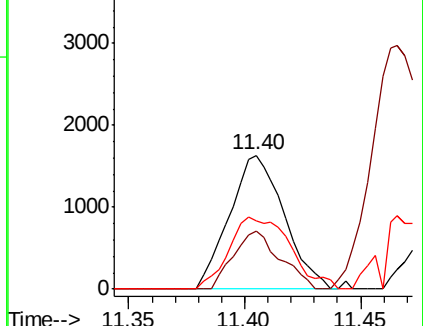
148 60.5 31.9 95.9

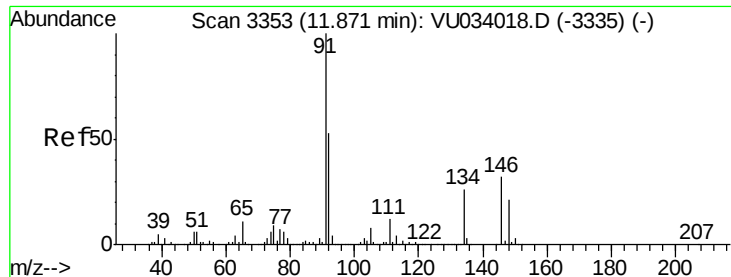


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.210 ug/l

RT: 11.88 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

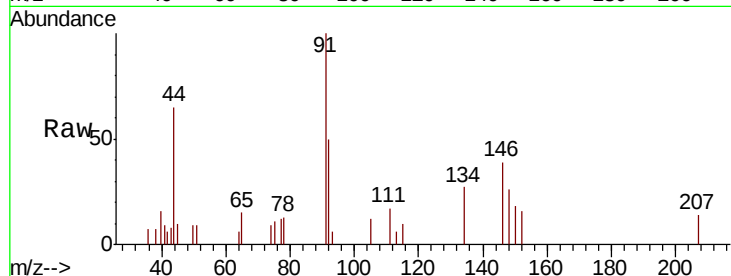
Tgt Ion: 91 Resp: 3896

Ion Ratio Lower Upper

91 100

92 43.3 26.3 78.9

134 20.7 12.9 38.7

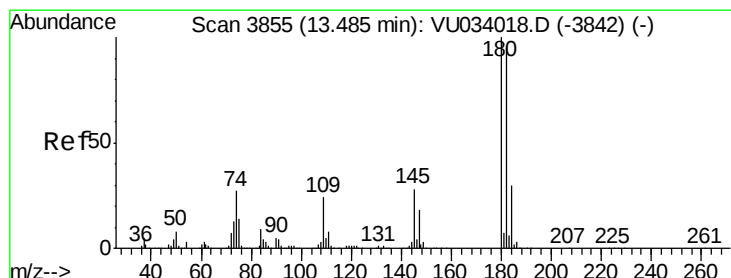
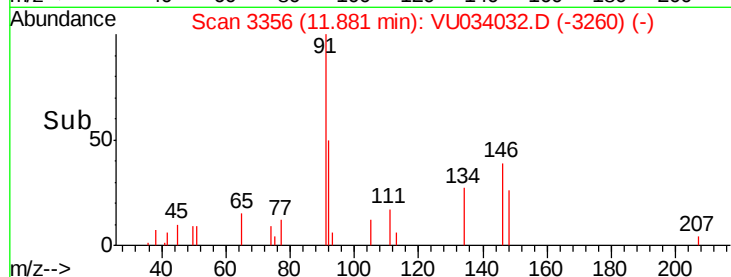


Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-3335) (-)

Ion 92.00 (91.70 to 92.70): VU034018.D (-3335) (-)

Ion 134.00 (133.70 to 134.70): VU034018.D (-3335) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.317 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.02 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

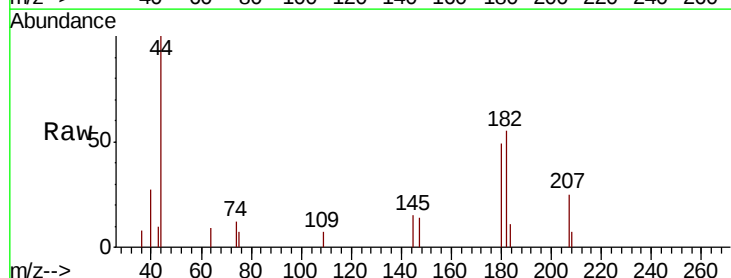
Tgt Ion: 180 Resp: 1569

Ion Ratio Lower Upper

180 100

182 150.5 47.4 142.2#

145 18.5 14.1 42.3

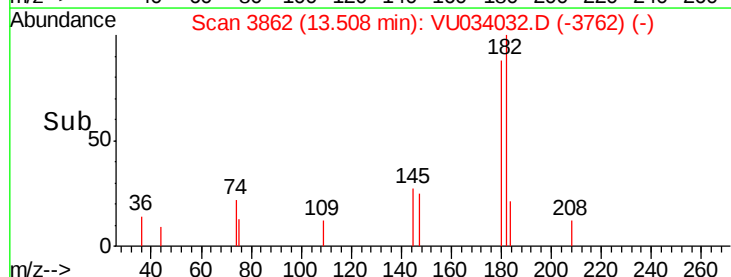


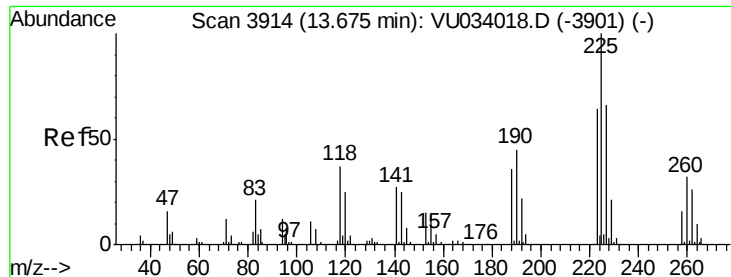
Abundance Ion 179.80 (179.50 to 180.50): VU034018.D (-3842) (-)

Ion 181.80 (181.50 to 182.50): VU034018.D (-3842) (-)

Ion 144.80 (144.50 to 145.50): VU034018.D (-3842) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.301 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. 0.00 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

PB122589TB

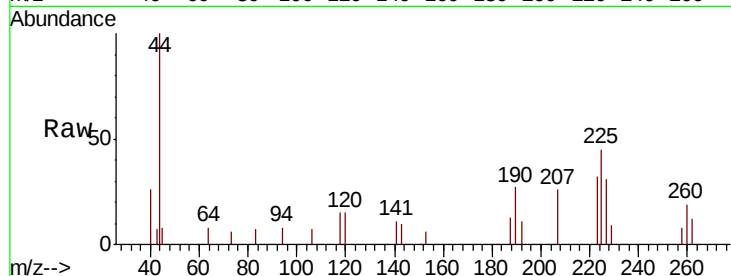
Tgt Ion:225 Resp: 1251

Ion Ratio Lower Upper

225 100

223 53.7 31.8 95.3

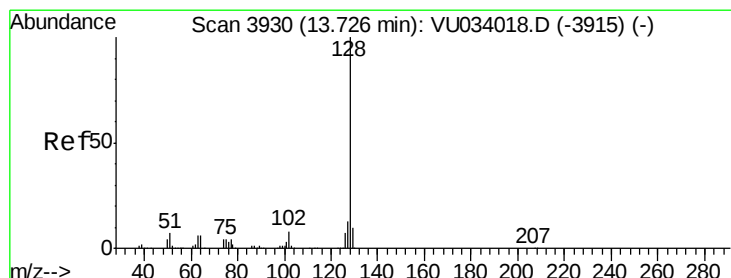
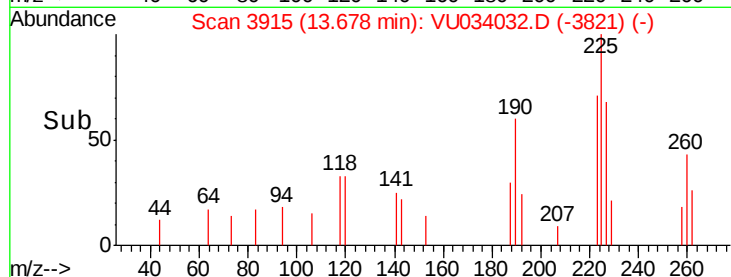
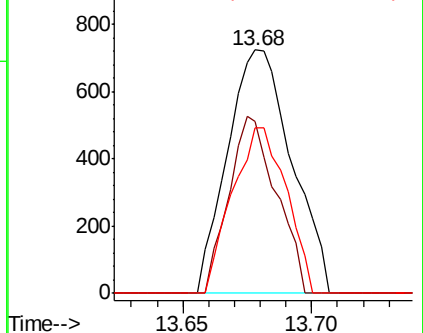
227 57.5 32.6 97.8



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: 2.030 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.02 min

Lab File: VU034032.D

Acq: 28 Aug 2019 18:51

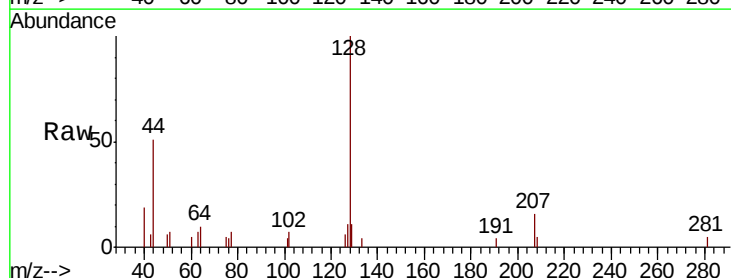
Tgt Ion:128 Resp: 5387

Ion Ratio Lower Upper

128 100

127 11.1 10.2 15.4

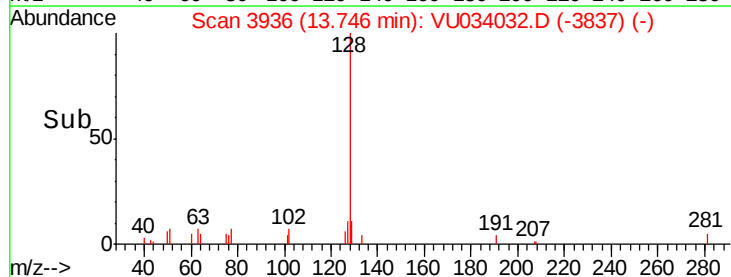
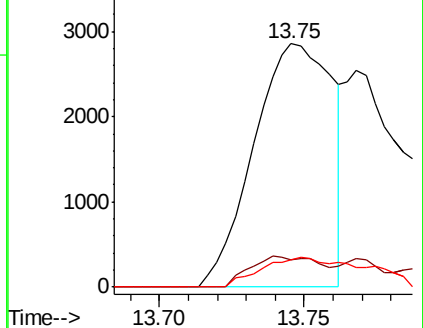
129 16.2 8.4 12.6#

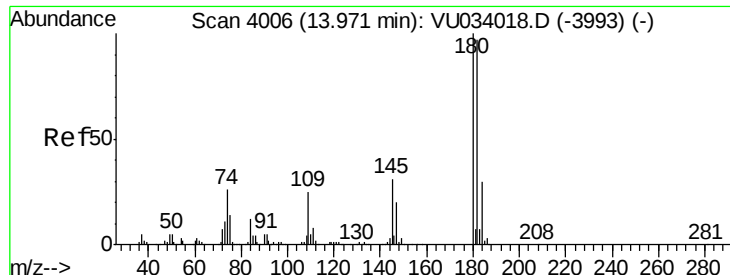


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.472 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.02 min
 Lab File: VU034032.D
 Acq: 28 Aug 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122589TB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.3	48.2	144.6
145	23.1	15.5	46.5

