

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034324.D
 Acq On : 06 Sep 2019 12:42
 Operator : JC/SP
 Sample : K4689-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 13:31:47 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	297544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	439828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	446893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	304653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	237062	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	4.86	113	207723	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	7.55	98	782566	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	10.29	95	296431	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

					Qvalue
5) Bromomethane	1.63	94	900	Below Cal	91
6) Chloroethane	1.68	64	265	Below Cal	# 43
7) Trichlorofluoromethane	2.07	101	3414	0.657 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.07	101	3414	0.991 ug/l #	17
10) Methyl Iodide	2.41	142	468	3.984 ug/l #	53
11) Tert butyl alcohol	2.81	59	11044	11.612 ug/l #	88
13) Acrolein	2.18	56	170	0.213 ug/l #	1
14) Allyl chloride	2.55	41	2267	0.366 ug/l #	42
16) Acetone	2.31	43	22159	9.511 ug/l	97
17) Carbon Disulfide	2.47	76	3839	0.528 ug/l #	92
20) Methylene Chloride	2.68	84	879	Below Cal	95
29) Tetrahydrofuran	4.63	42	8470	4.476 ug/l	98
31) Cyclohexane	4.96	56	5235	0.993 ug/l #	1
36) 1,1-Dichloropropene	4.96	75	19017	3.987 ug/l #	49
38) Carbon Tetrachloride	4.96	117	25600	5.026 ug/l #	16
39) Methylcyclohexane	6.40	83	1954	0.383 ug/l	99
40) Benzene	5.37	78	198002	12.864 ug/l	97
41) Methacrylonitrile	4.63	41	5217	1.737 ug/l #	35
42) 1,2-Dichloroethane	5.38	62	3811	0.713 ug/l	76
49) 1,4-Dioxane	6.61	88	50	0.548 ug/l #	1
51) 4-Methyl-2-Pentanone	7.45	43	4172	0.685 ug/l	100
52) Toluene	7.62	92	74377	7.703 ug/l	97
56) Ethyl methacrylate	8.03	69	19	3.079 ug/l #	1
59) 2-Hexanone	8.15	43	4178	0.918 ug/l	78
67) Ethyl Benzene	9.23	91	724445	39.079 ug/l	100
68) m/p-Xylenes	9.36	106	333314	47.748 ug/l	99
69) o-Xylene	9.76	106	266020	38.967 ug/l	99
70) Styrene	9.76	104	18093	1.512 ug/l #	1
73) Isopropylbenzene	10.15	105	279566	14.101 ug/l	100
76) 1,2,3-Trichloropropane	10.66	75	6855	1.031 ug/l #	1
78) n-propylbenzene	10.57	91	146976	6.419 ug/l	99
79) 2-Chlorotoluene	10.66	91	163205	11.682 ug/l #	49
80) 1,3,5-Trimethylbenzene	10.75	105	858616	51.782 ug/l	100
81) trans-1,4-Dichloro-2-buten	10.66	75	6855	3.467 ug/l #	100

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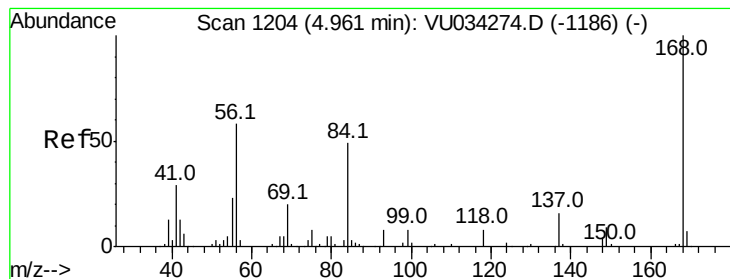
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 13:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

82) 4-Chlorotoluene	10.75	91	87302	5.430	ug/l #	44
83) tert-Butylbenzene	11.13	119	322590	19.448	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.13	105	2585985	154.933	ug/l	100
85) sec-Butylbenzene	11.13	105	2585985	132.053	ug/l #	56
86) p-Isopropyltoluene	11.46	119	581199	32.155	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	11267	1.068	ug/l #	70
89) n-Butylbenzene	11.85	91	139024	8.851	ug/l #	1
90) Hexachloroethane	12.23	117	85247	29.479	ug/l #	5
91) 1,2-Dichlorobenzene	11.86	146	4900	0.493	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	12.63	75	3292	2.232	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.48	180	2019	3.712	ug/l #	1
96) 1,2,3-Trichlorobenzene	13.97	180	1873	2.893	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

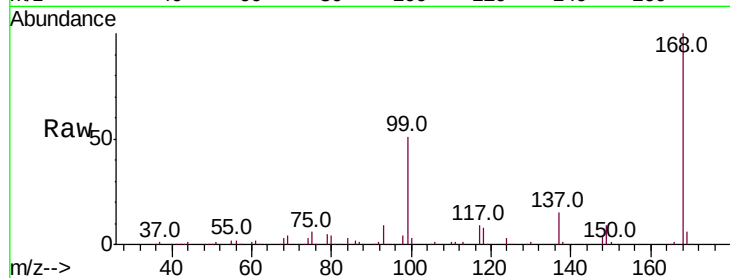
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 297544

Ion Ratio Lower Upper

168 100

99 50.9 41.6 62.4



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

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

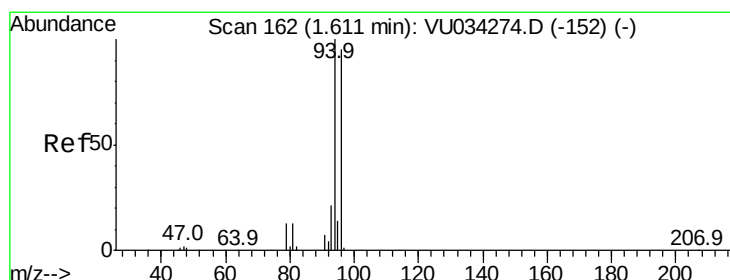
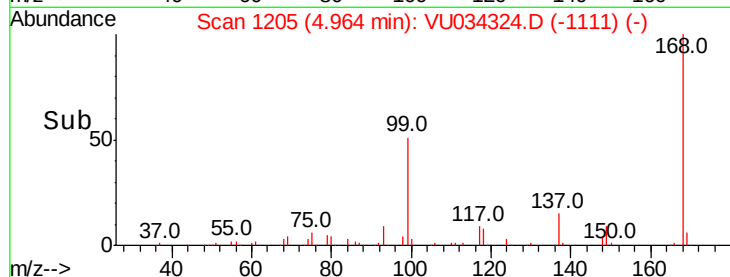
100000

50000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034324.D

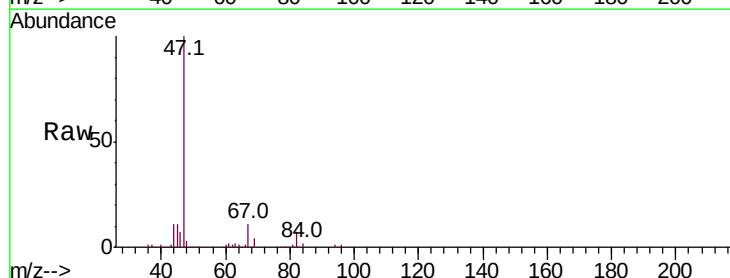
Acq: 06 Sep 2019 12:42

Tgt Ion: 94 Resp: 900

Ion Ratio Lower Upper

94 100

96 86.4 75.7 113.5



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

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

600

500

400

300

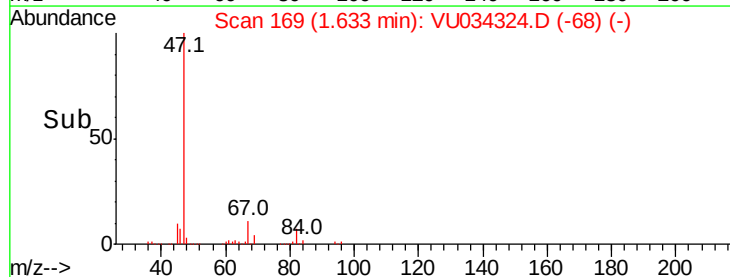
200

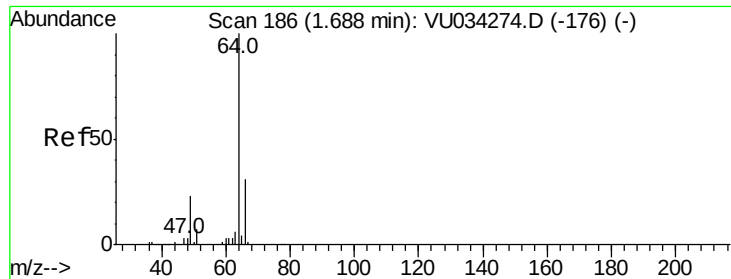
100

0

Time-->

1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

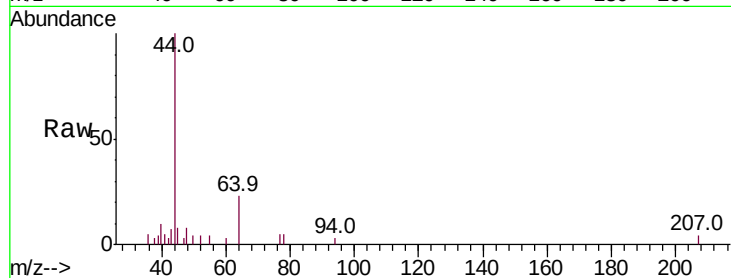
ClientSampleId :

Tot Ion: 64 Resp: 265

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1000

800

600

400

200

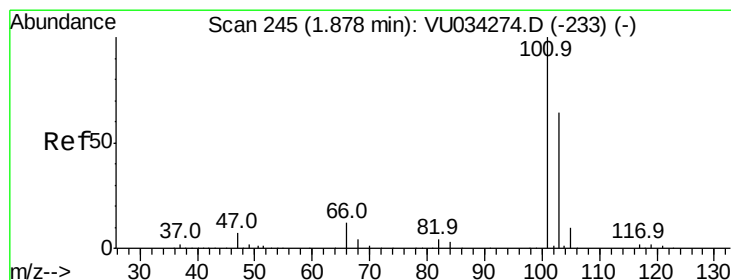
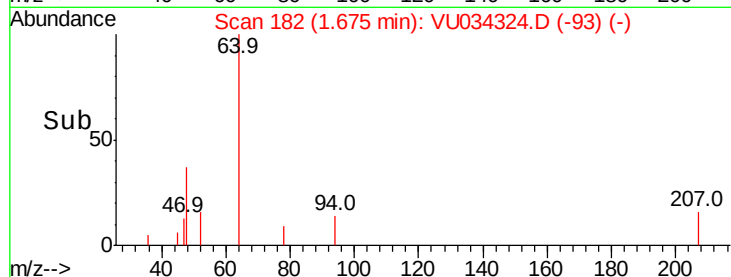
0

Time-->

1.66

1.68

1.70



#7

Trichlorofluoromethane

Concen: 0.657 ug/l

RT: 2.07 min Scan# 306

Delta R.T. 0.20 min

Lab File: VU034324.D

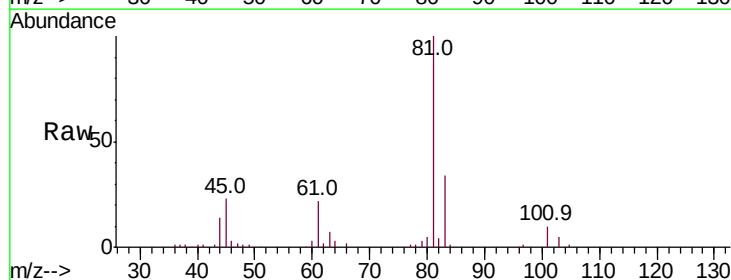
Acq: 06 Sep 2019 12:42

Tgt Ion: 101 Resp: 3414

Ion Ratio Lower Upper

101 100

103 54.5 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2500

2000

1500

1000

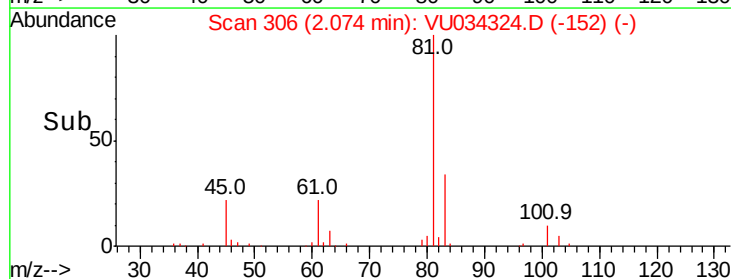
500

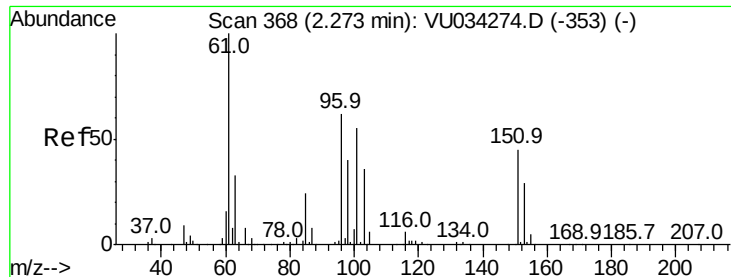
0

Time-->

2.05

2.10





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.991 ug/l

RT: 2.07 min Scan# 306

Delta R.T. -0.20 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampleId :

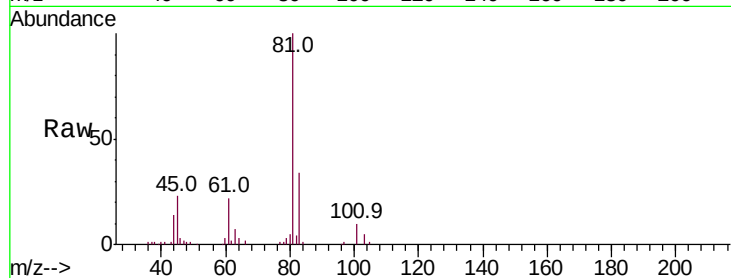
Tot Ion:101 Resp: 3414

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

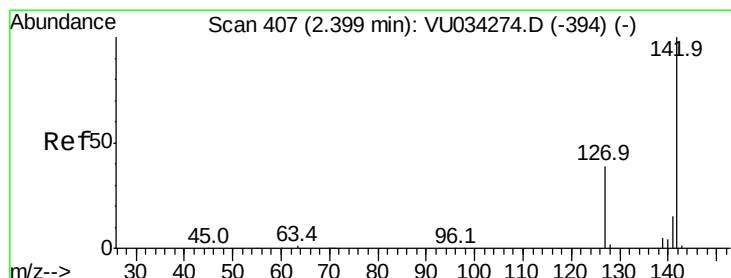
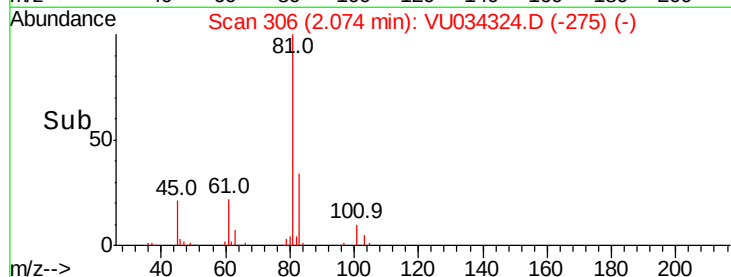
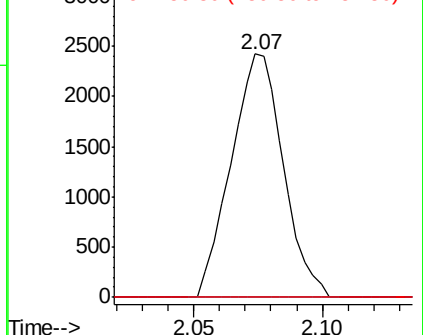
151 0.0 64.4 96.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.984 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

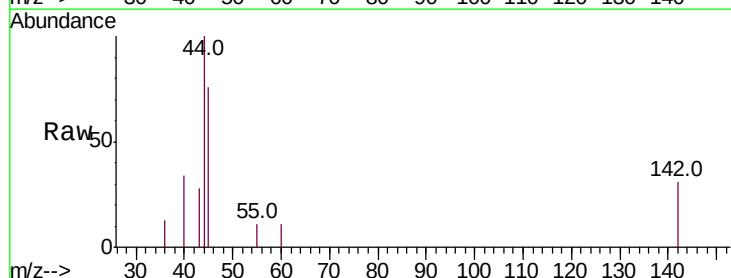
Tgt Ion:142 Resp: 468

Ion Ratio Lower Upper

142 100

127 8.5 32.1 48.1#

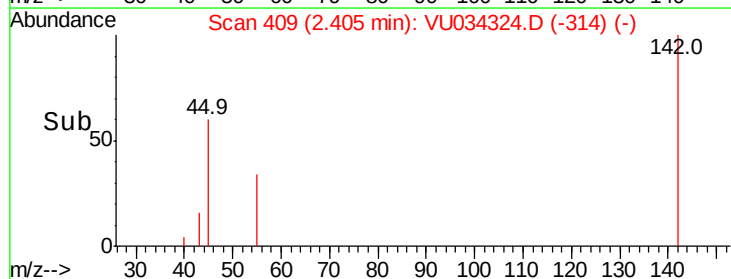
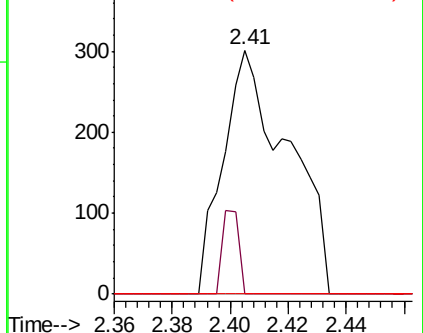
141 0.0 11.5 17.3#

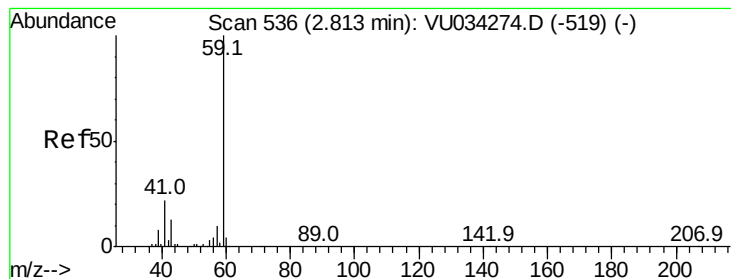


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 11.612 ug/l

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

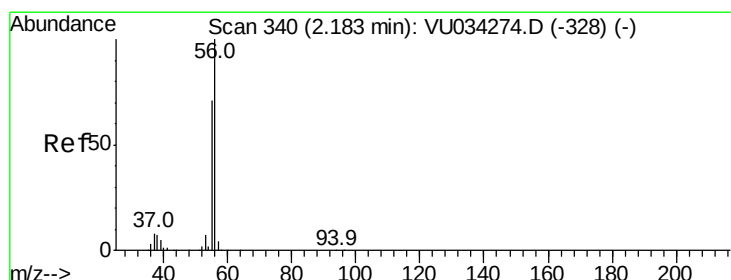
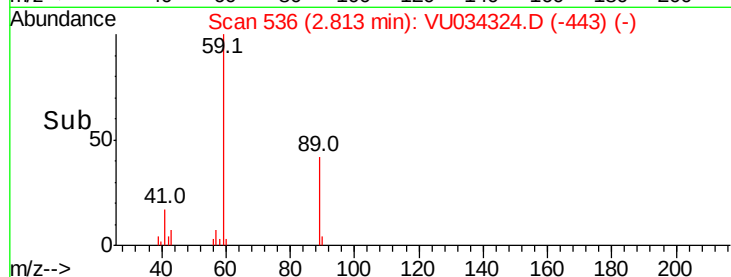
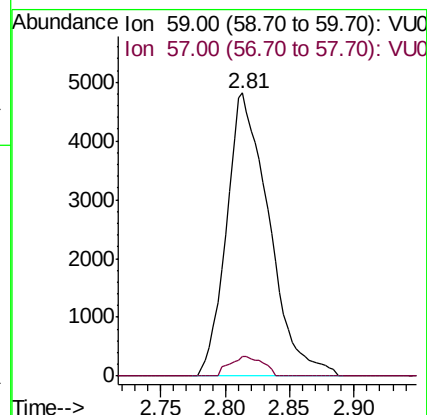
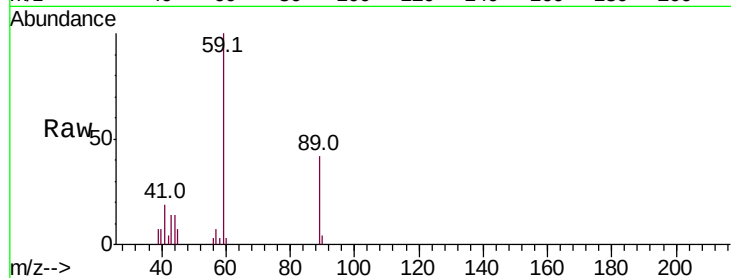
ClientSampled :

Tot Ion: 59 Resp: 11044

Ion Ratio Lower Upper

59 100

57 5.5 7.9 11.9#



#13

Acrolein

Concen: 0.213 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034324.D

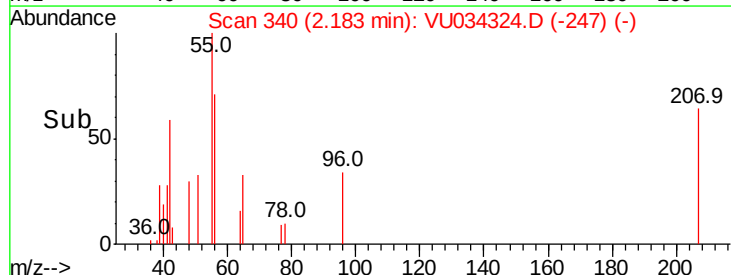
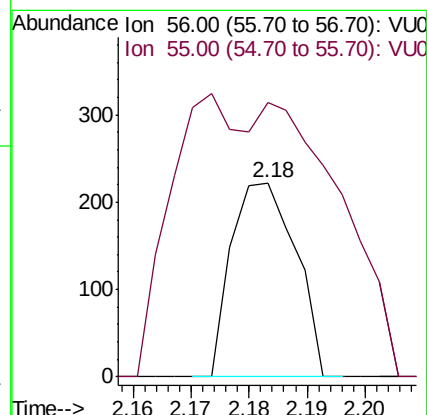
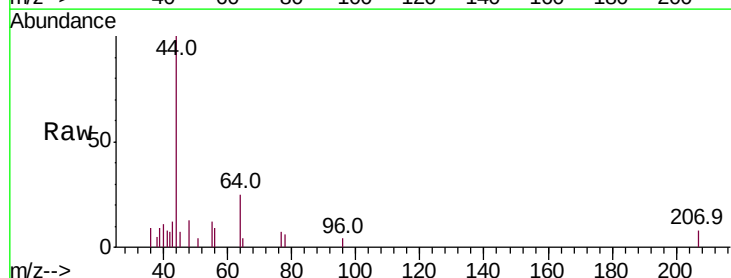
Acq: 06 Sep 2019 12:42

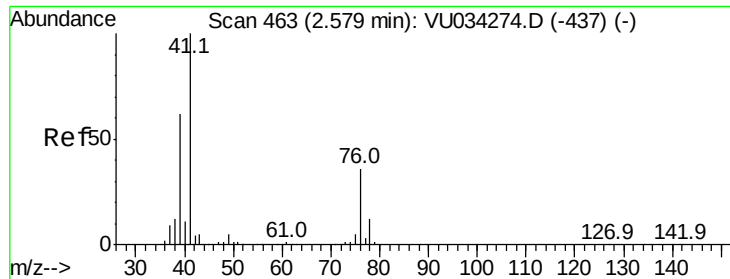
Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 177.6 57.4 86.2#

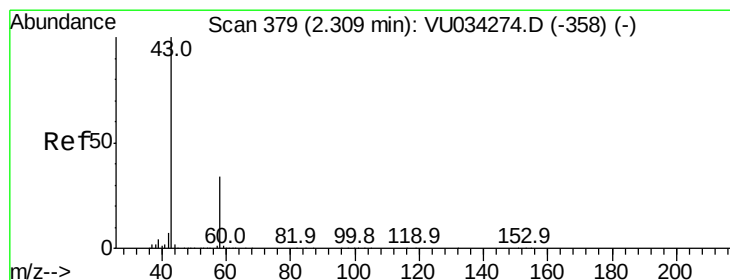
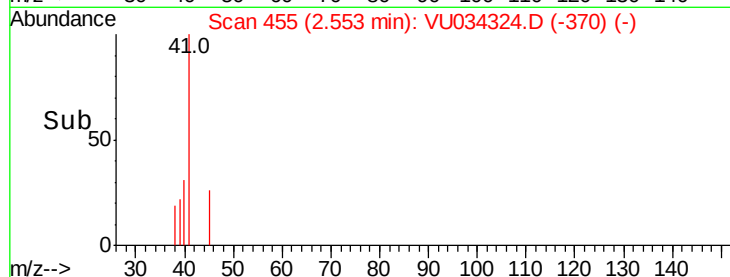
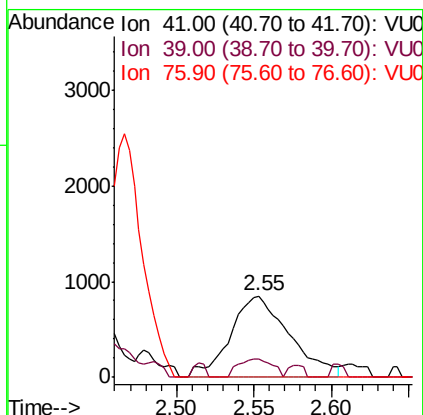
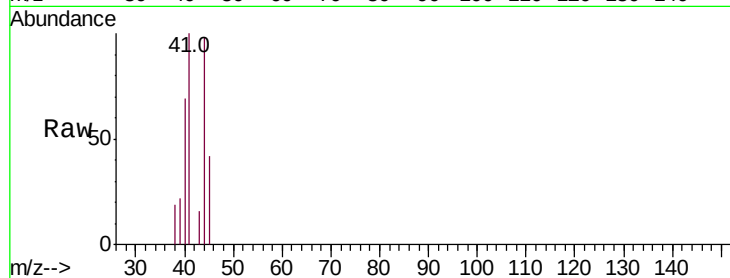




#14
Allvl chloride
Concen: 0.366 ug/l
RT: 2.55 min Scan# 455
Delta R.T. -0.03 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

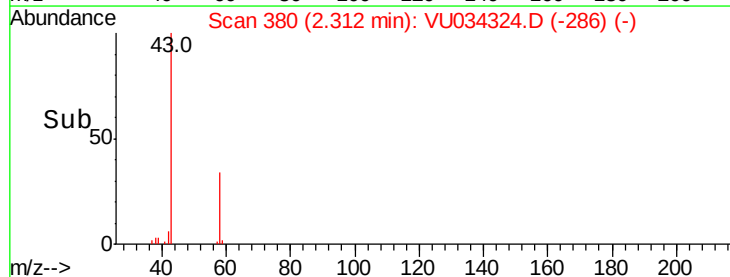
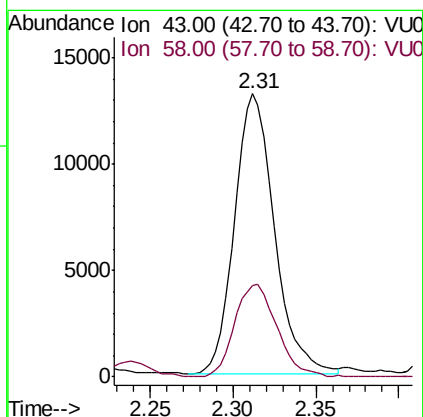
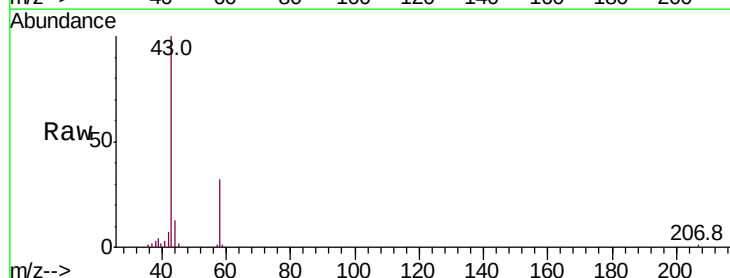
Instrument :
MSVOA_U
ClientSampleId :

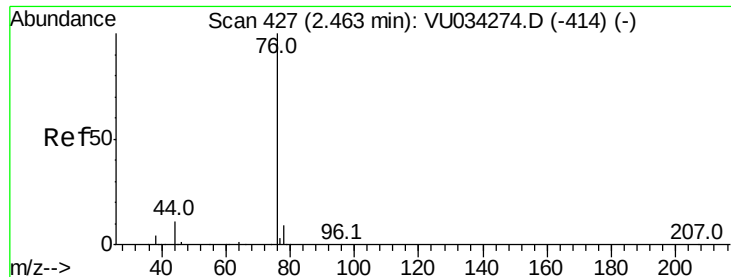
Tot Ion: 41 Resp: 2267
Ion Ratio Lower Upper
41 100
39 12.9 43.5 65.3#
76 0.0 27.0 40.6#



#16
Acetone
Concen: 9.511 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 43 Resp: 22159
Ion Ratio Lower Upper
43 100
58 32.6 27.6 41.4





#17

Carbon Disulfide

Concen: 0.528 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

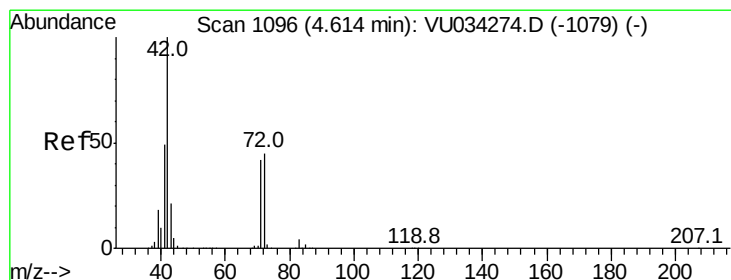
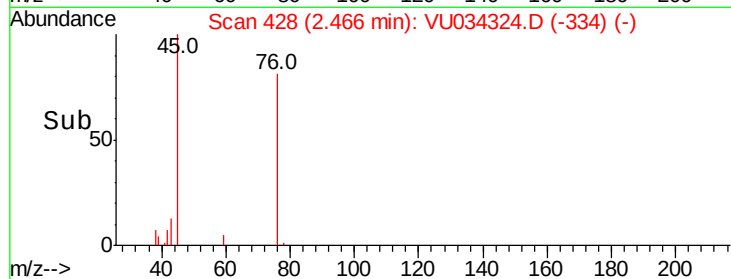
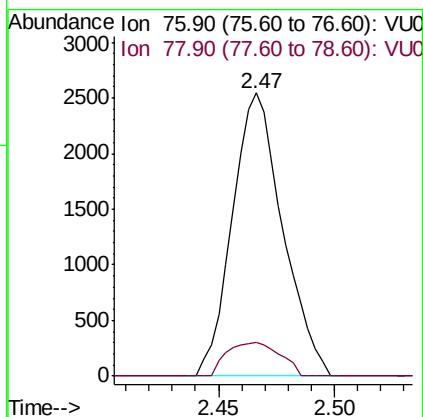
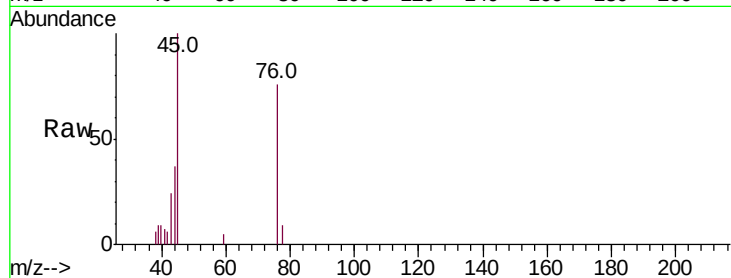
ClientSampleId :

Tot Ion: 76 Resp: 3839

Ion Ratio Lower Upper

76 100

78 12.0 7.2 10.8#



#29

Tetrahydrofuran

Concen: 4.476 ug/l

RT: 4.63 min Scan# 1101

Delta R.T. 0.02 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

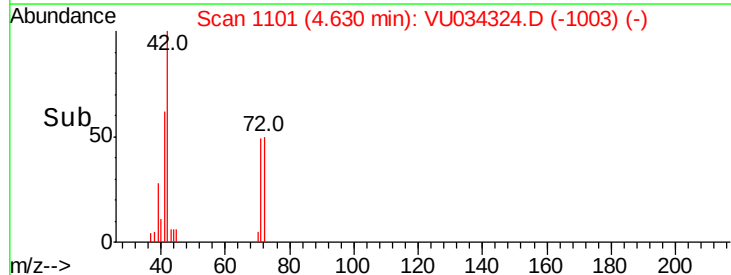
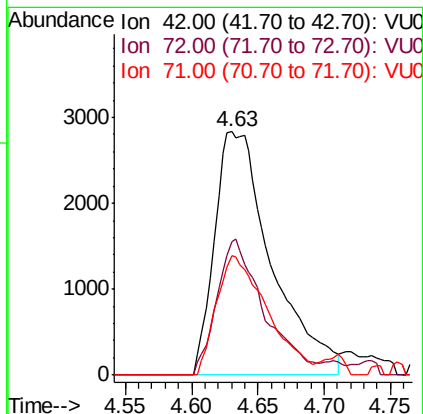
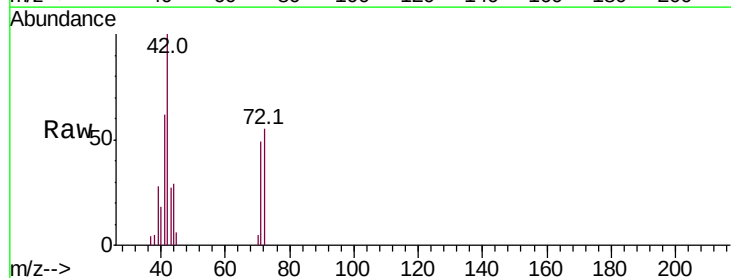
Tgt Ion: 42 Resp: 8470

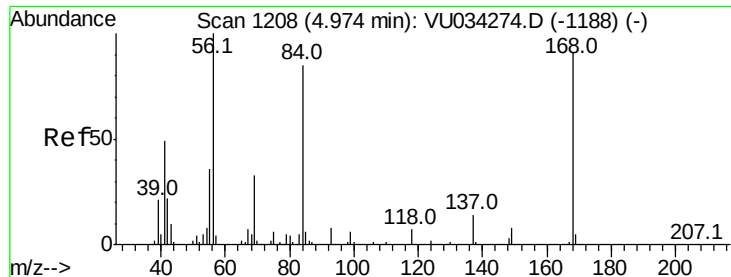
Ion Ratio Lower Upper

42 100

72 46.7 36.6 54.8

71 44.0 34.3 51.5

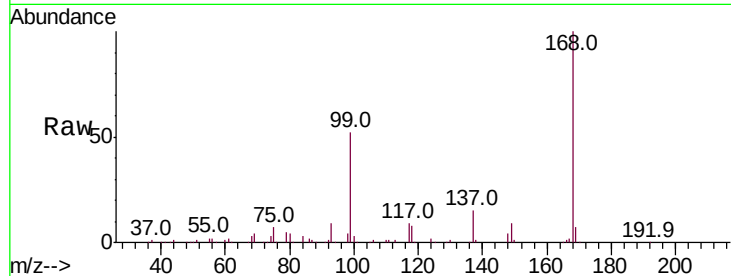




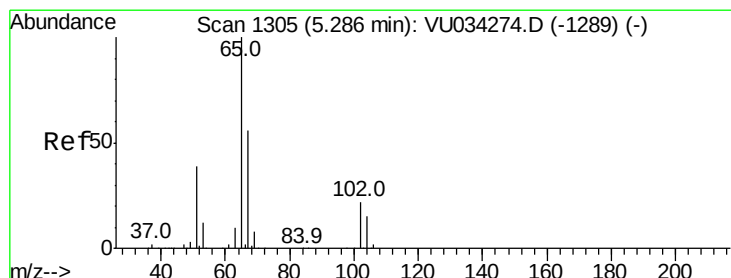
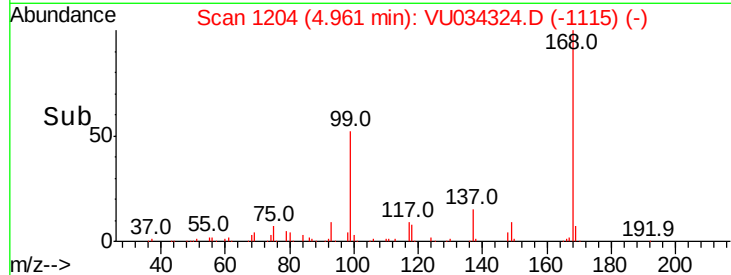
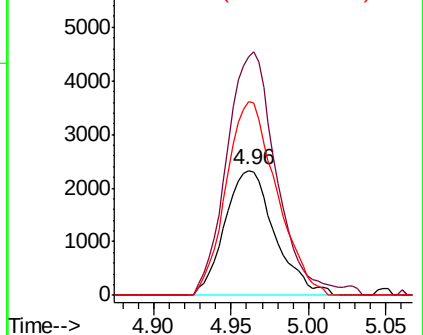
#31
Cyclohexane
Concen: 0.993 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 5235
Ion Ratio Lower Upper
56 100
69 191.3 26.7 40.1#
84 155.4 68.2 102.4#

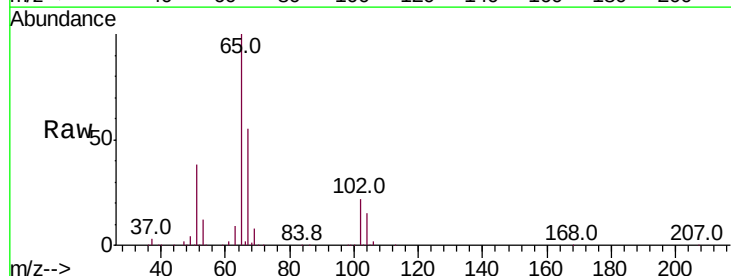


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

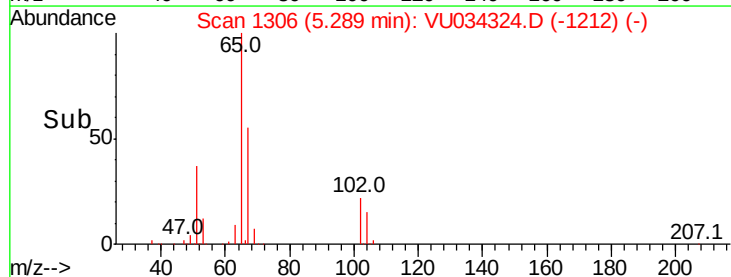
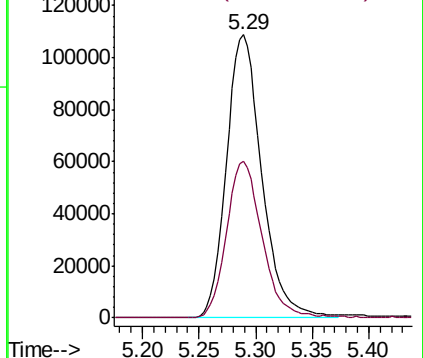


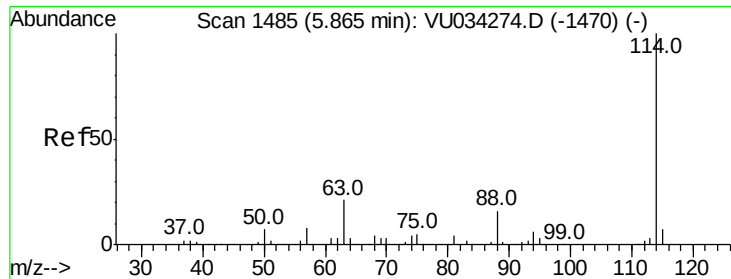
#33
1,2-Dichloroethane-d4
Concen: 52.658 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 65 Resp: 237062
Ion Ratio Lower Upper
65 100
67 55.8 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

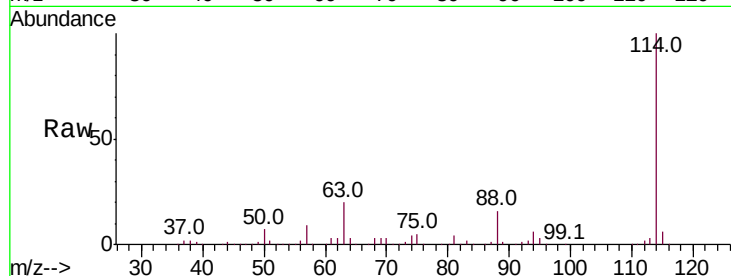




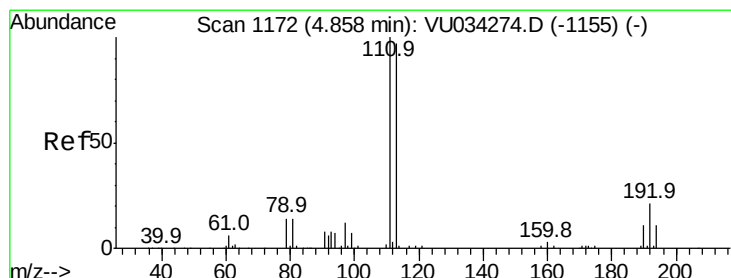
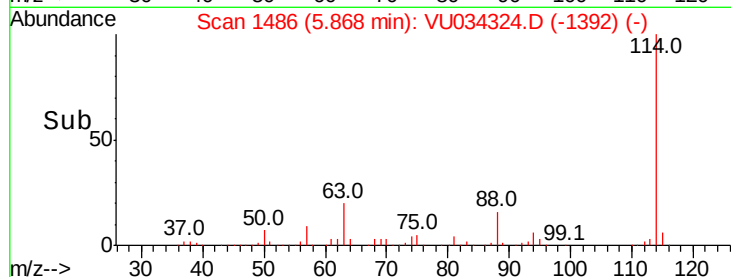
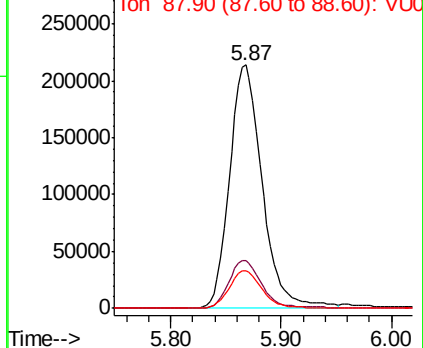
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 439828
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 15.7 0.0 32.4

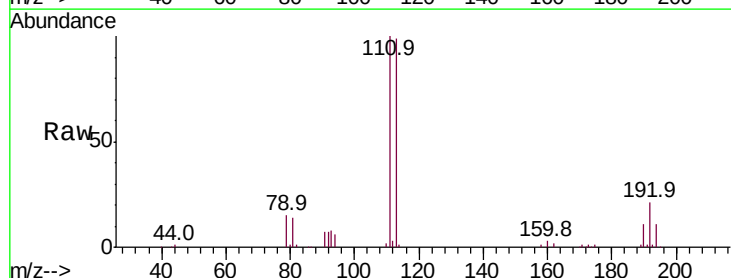


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

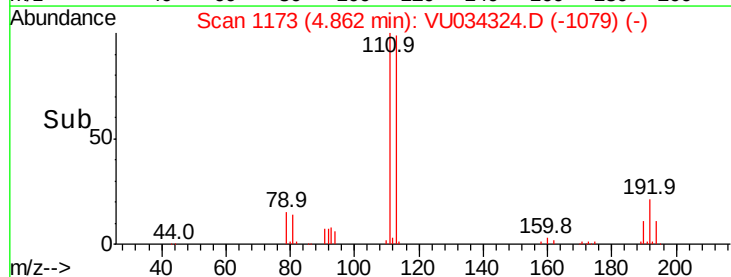
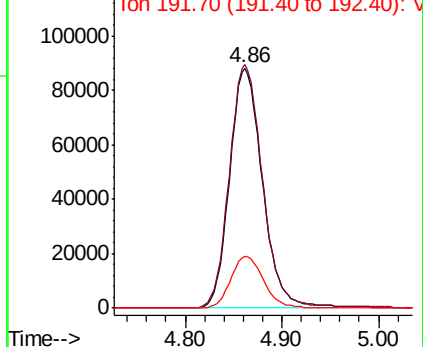


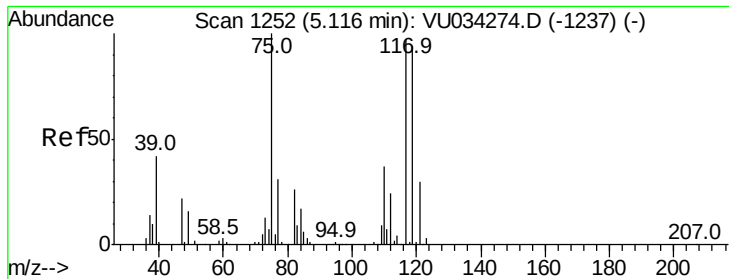
#35
 Dibromofluoromethane
 Concen: 50.756 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Tgt Ion:113 Resp: 207723
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 21.4 17.8 26.8



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

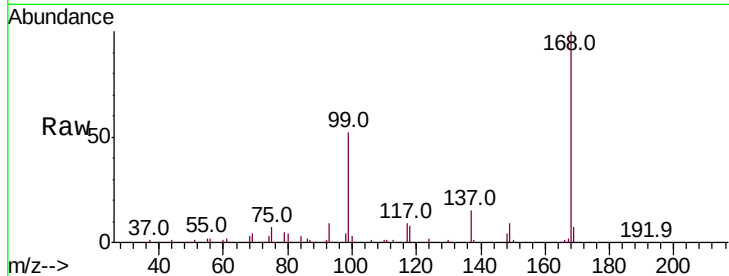




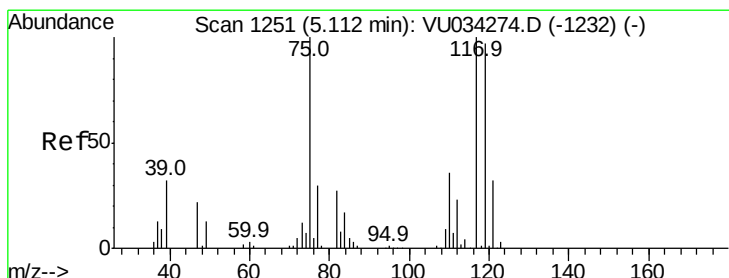
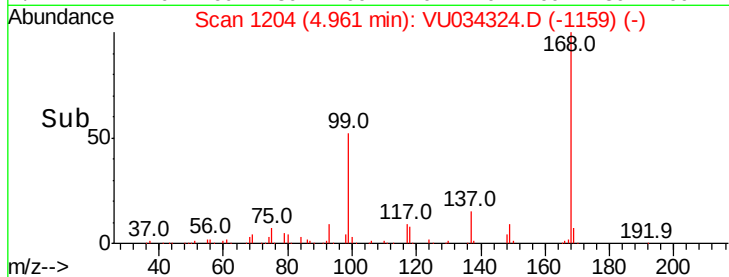
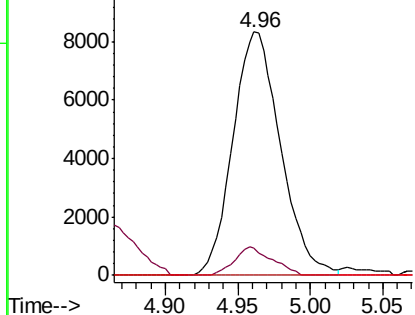
#36
 1,1-Dichloropropene
 Concen: 3.987 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 19017
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.3 54.9#
 77 0.0 24.9 37.3#

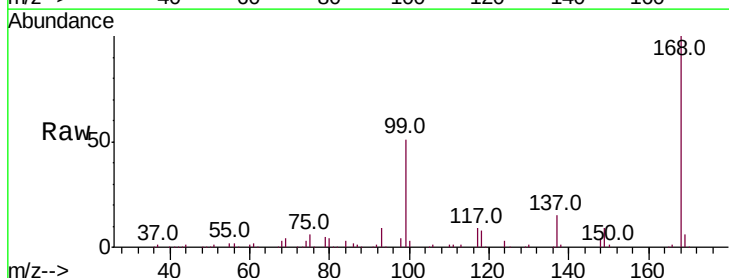


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

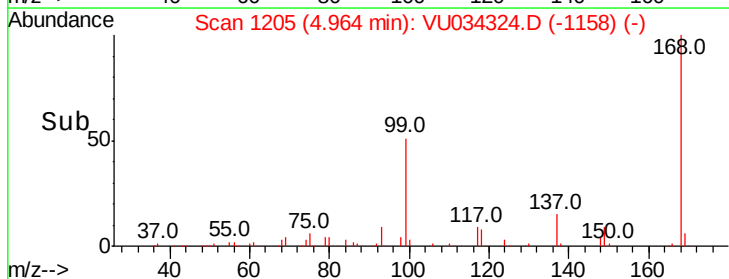
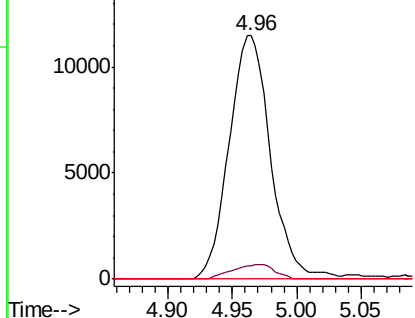


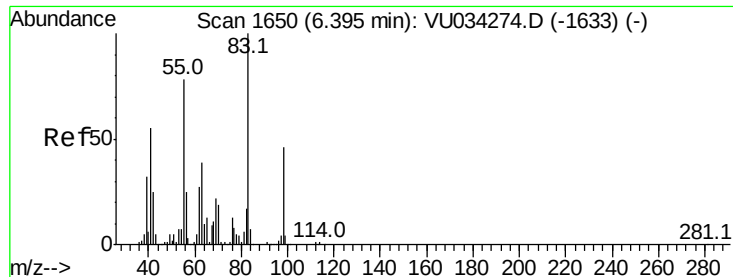
#38
 Carbon Tetrachloride
 Concen: 5.026 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Tgt Ion: 117 Resp: 25600
 Ion Ratio Lower Upper
 117 100
 119 5.6 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

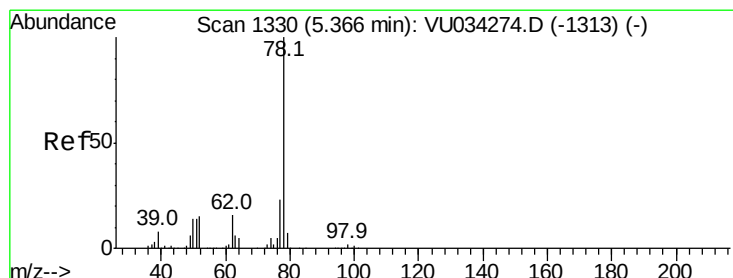
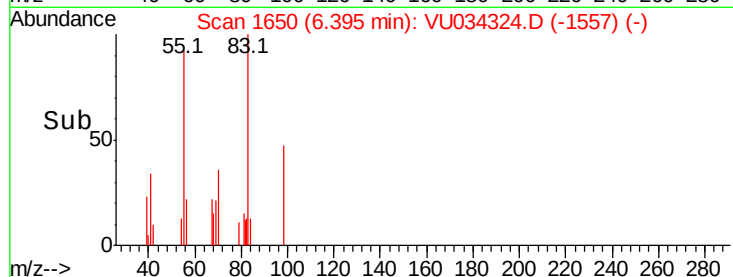
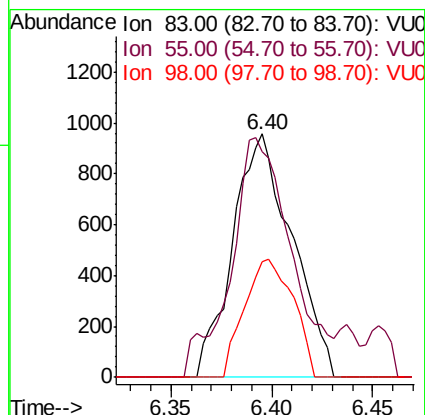
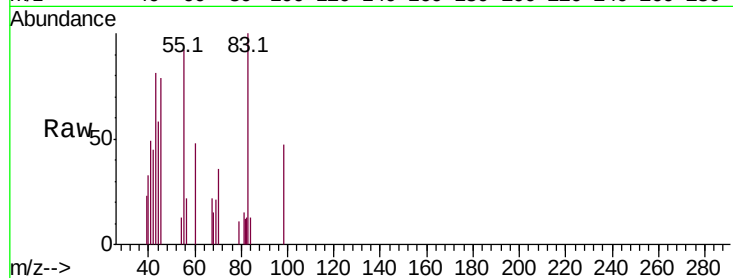




#39
Methylvlcyclohexane
Concen: 0.383 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

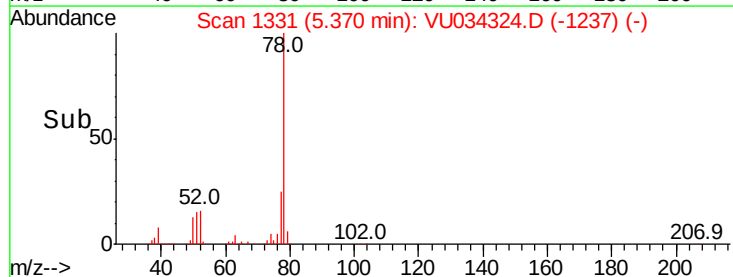
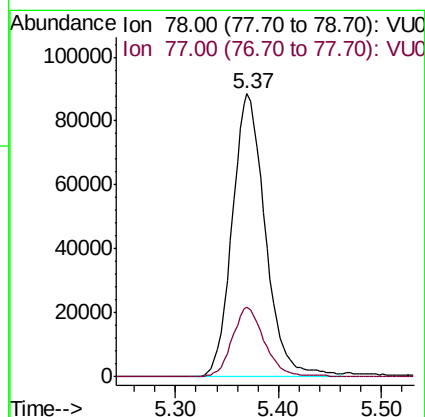
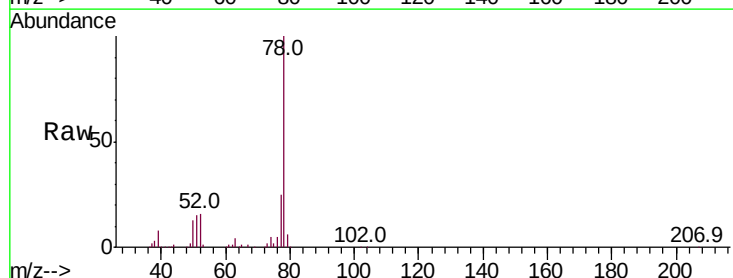
Instrument :
MSVOA_U
ClientSampleId :

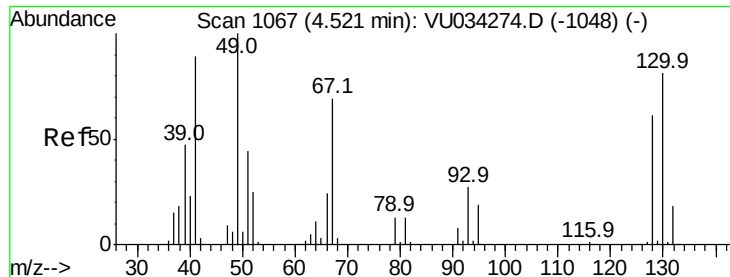
Tot Ion: 83 Resp: 1954
Ion Ratio Lower Upper
83 100
55 77.3 62.1 93.1
98 47.3 37.0 55.6



#40
Benzene
Concen: 12.864 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 78 Resp: 198002
Ion Ratio Lower Upper
78 100
77 24.6 18.7 28.1

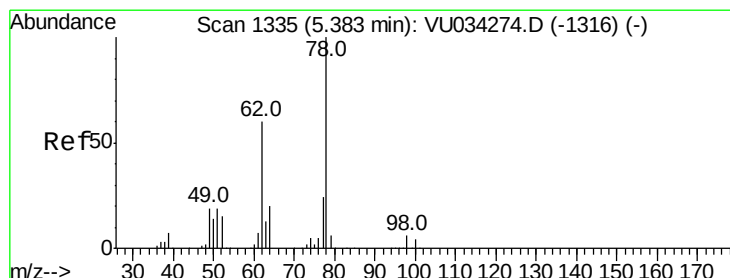
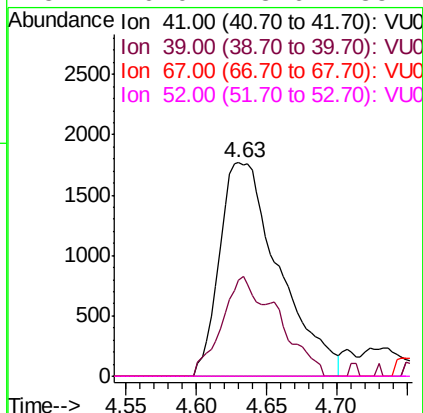
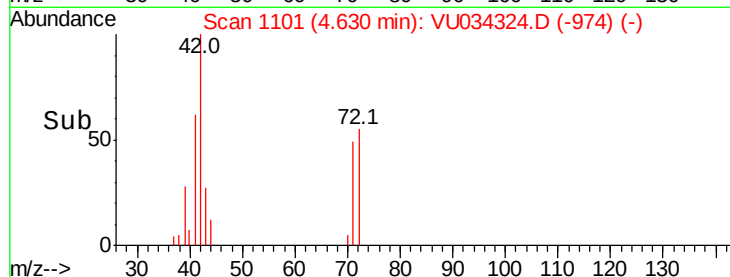
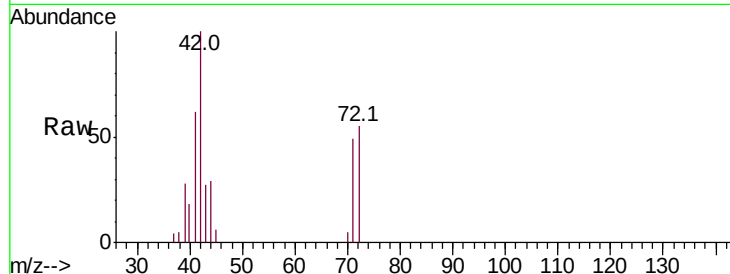




#41
Methacrylonitrile
Concen: 1.737 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.11 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

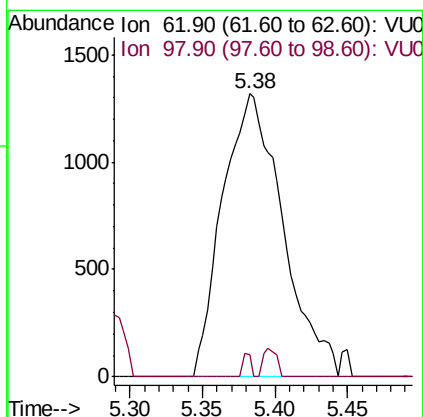
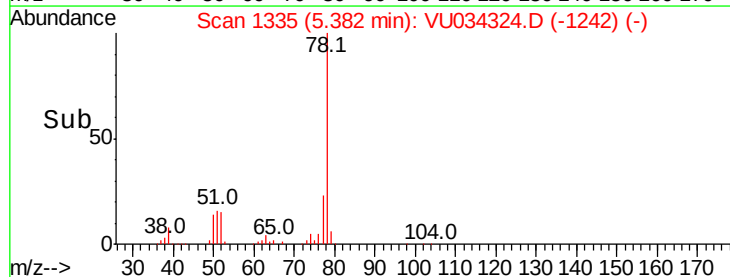
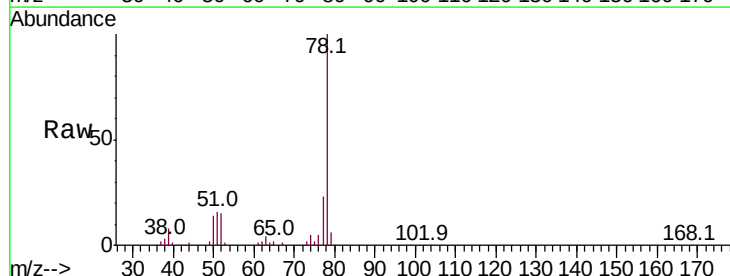
Instrument :
MSVOA_U
ClientSampled :

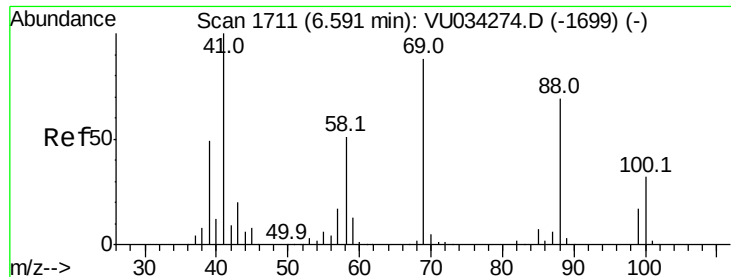
Tot Ion: 41 Resp: 5217
Ion Ratio Lower Upper
41 100
39 27.8 41.0 61.4#
67 0.0 62.4 93.6#
52 0.0 23.6 35.4#



#42
1,2-Dichloroethane
Concen: 0.713 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 62 Resp: 3811
Ion Ratio Lower Upper
62 100
98 1.0 0.0 20.0





#49

1,4-Dioxane

Concen: 0.548 ug/l

RT: 6.61 min Scan# 1718

Delta R.T. 0.02 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampleId :

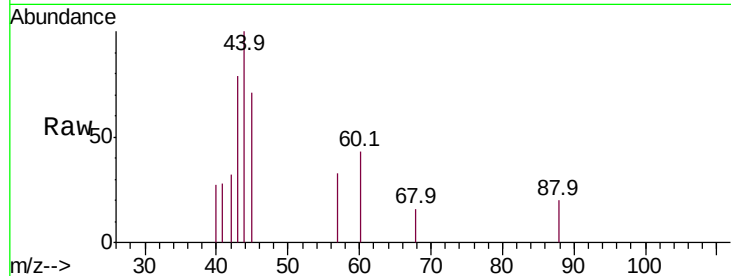
Tot Ion: 88 Resp: 50

Ion Ratio Lower Upper

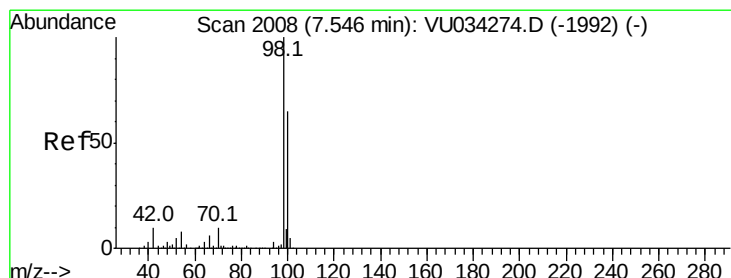
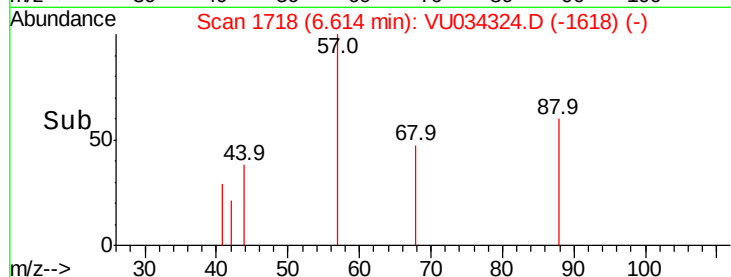
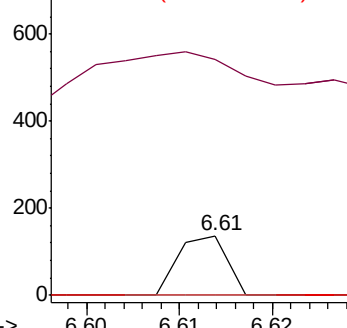
88 100

43 346.0 23.8 35.6#

58 0.0 58.4 87.6#



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: 50.895 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034324.D

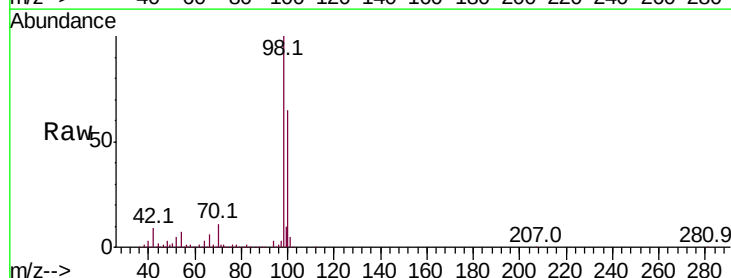
Acq: 06 Sep 2019 12:42

Tgt Ion: 98 Resp: 782566

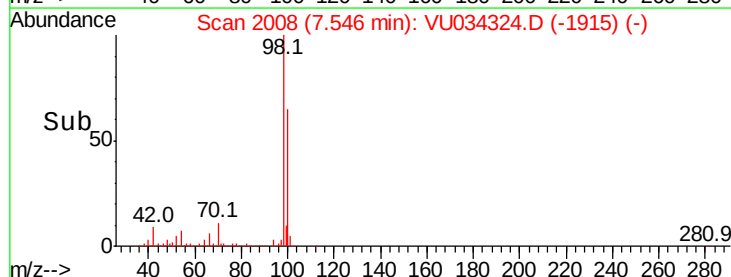
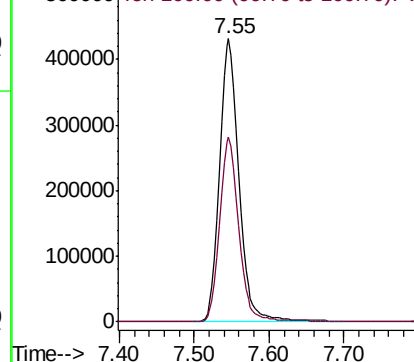
Ion Ratio Lower Upper

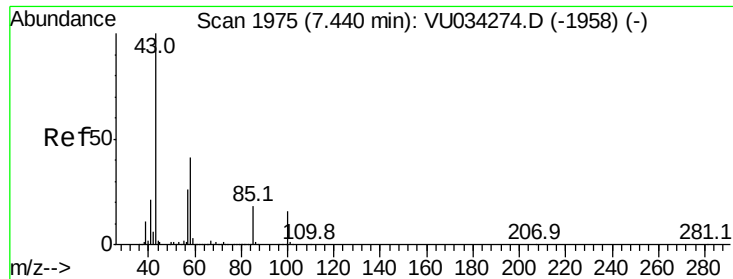
98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

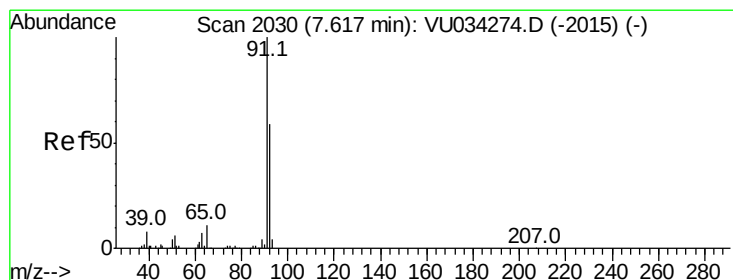
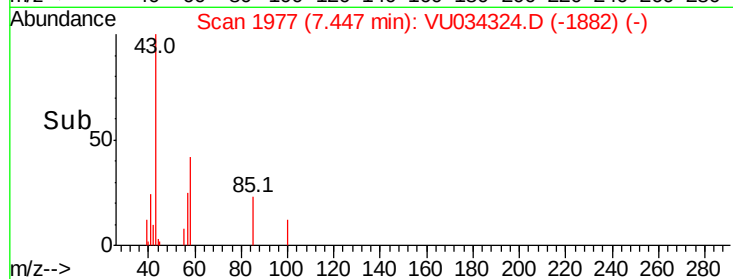
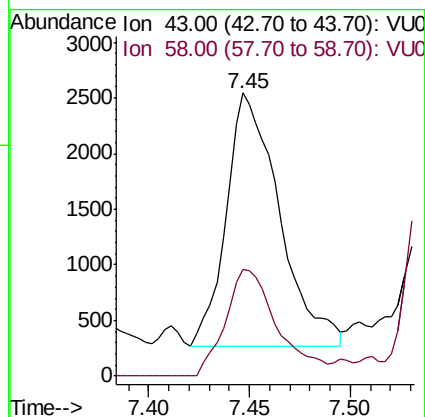
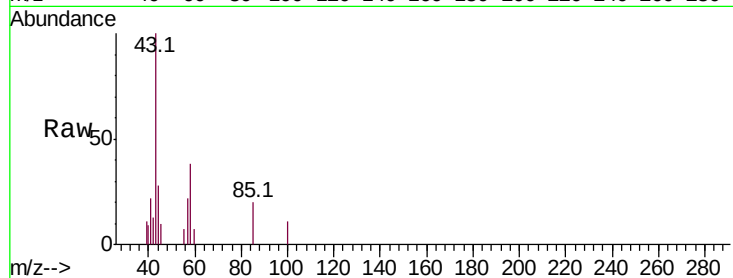




#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

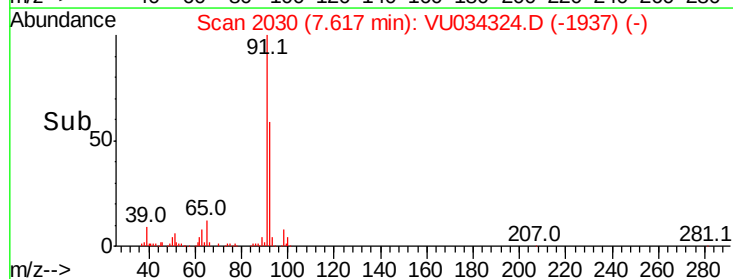
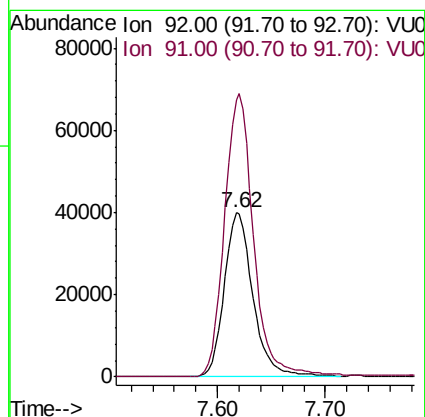
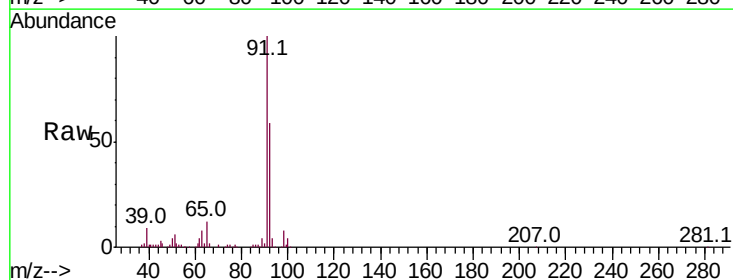
Instrument :
MSVOA_U
ClientSampled :

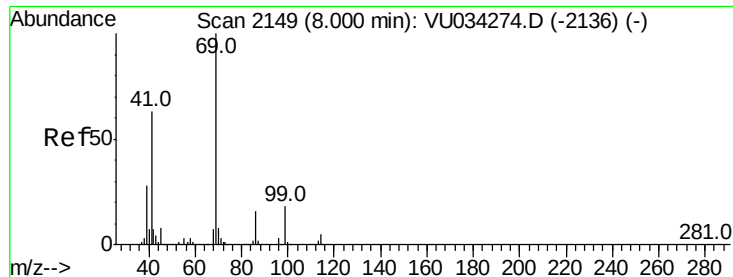
Tot Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
58 41.4 33.0 49.4



#52
Toluene
Concen: 7.703 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 92 Resp: 74377
Ion Ratio Lower Upper
92 100
91 174.4 136.6 205.0





#56

Ethyl methacrylate

Concen: 3.079 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

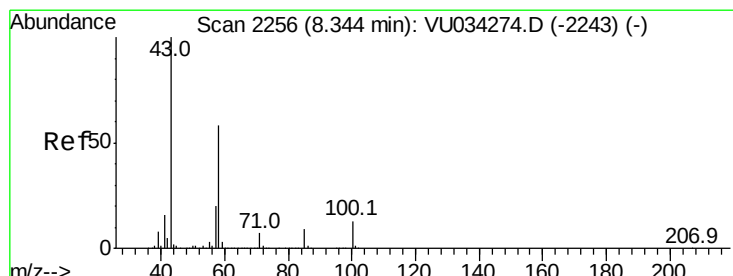
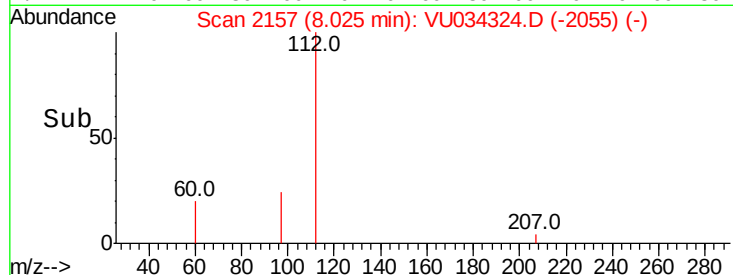
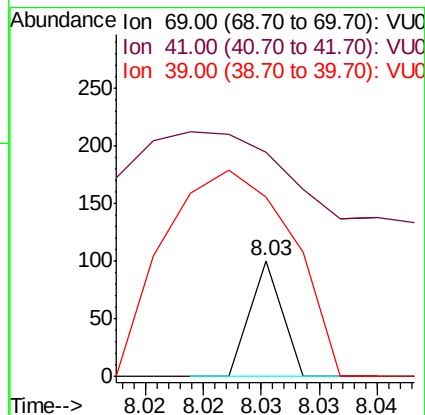
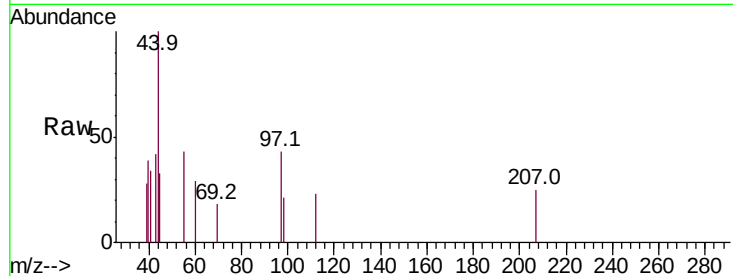
Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69 Resp: 19

Ion	Ratio	Lower	Upper
69	100		
41	1710.5	49.5	74.3#
39	715.8	22.5	33.7#



#59

2-Hexanone

Concen: 0.918 ug/l

RT: 8.15 min Scan# 2195

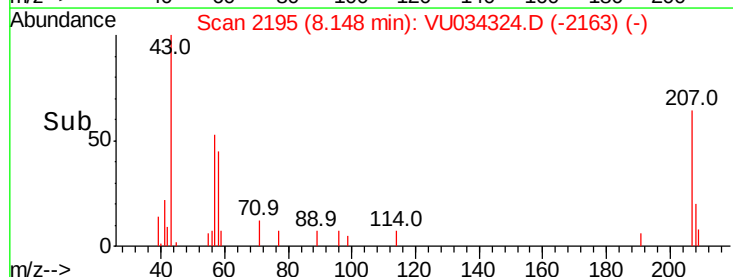
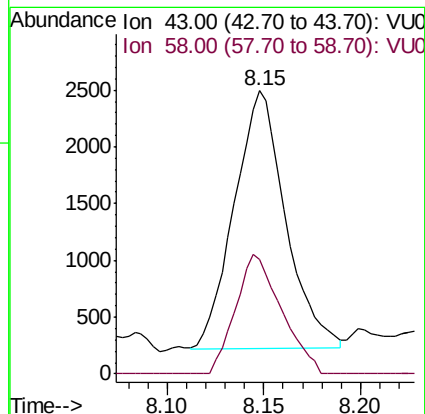
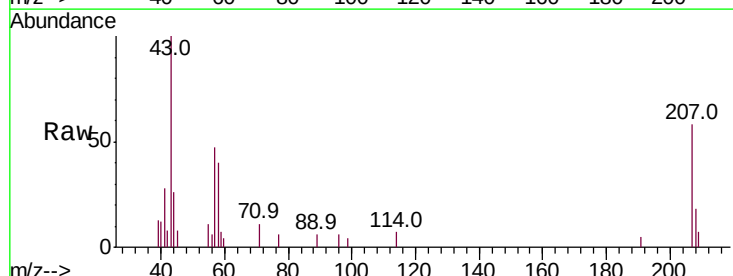
Delta R.T. -0.20 min

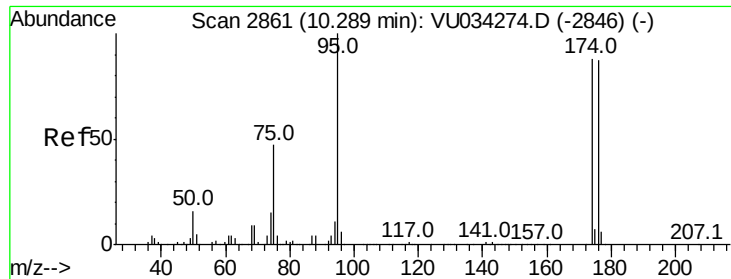
Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Tgt Ion: 43 Resp: 4178

Ion	Ratio	Lower	Upper
43	100		
58	41.4	28.8	86.5

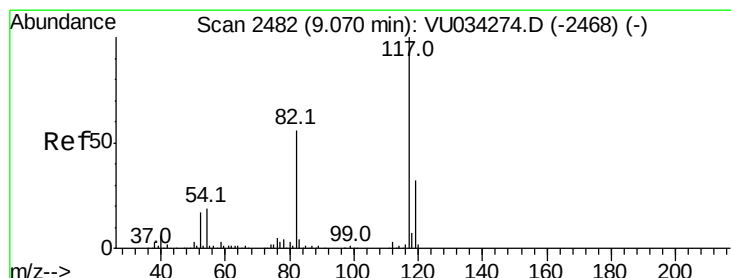
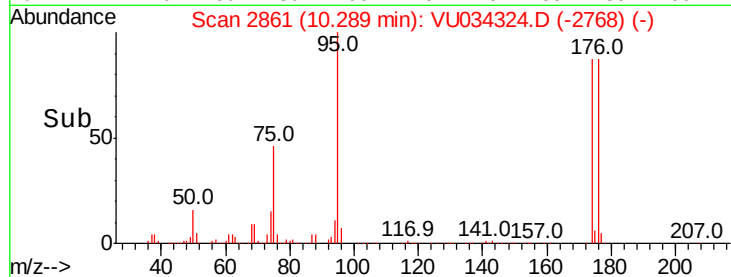
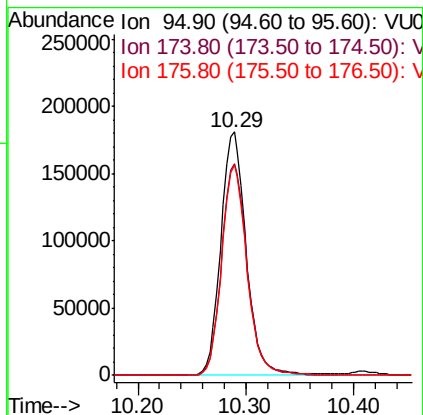
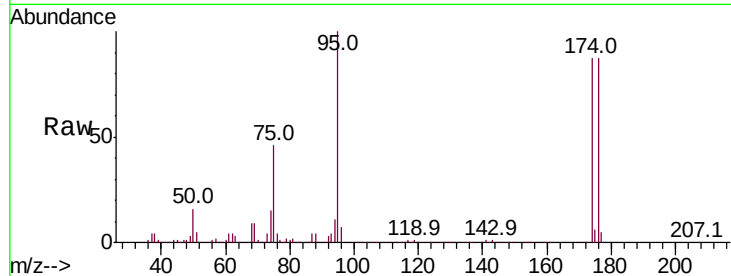




#62
4-Bromofluorobenzene
Concen: 49.933 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

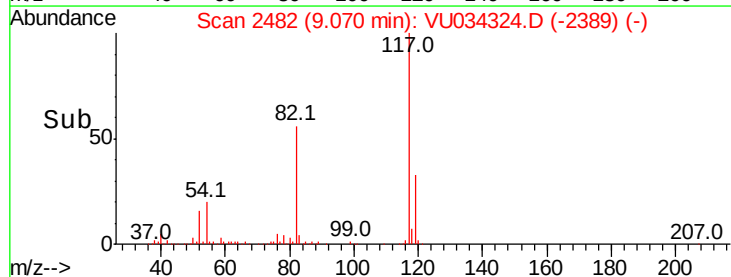
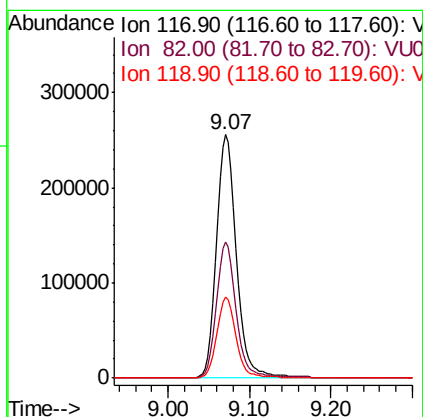
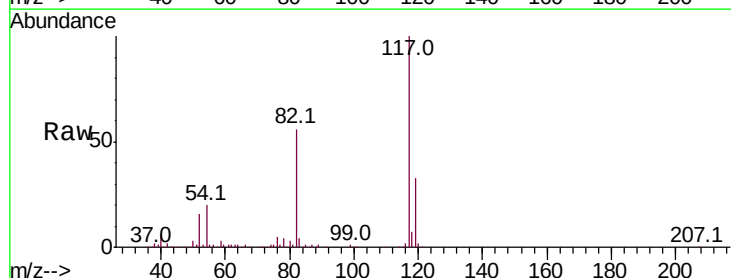
Instrument :
MSVOA_U
ClientSampleId :

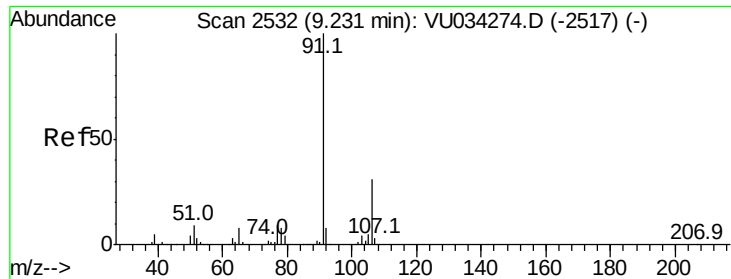
Tot Ion: 95 Resp: 296431
Ion Ratio Lower Upper
95 100
174 87.8 0.0 175.2
176 85.6 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 117 Resp: 446893
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 33.1 25.9 38.9

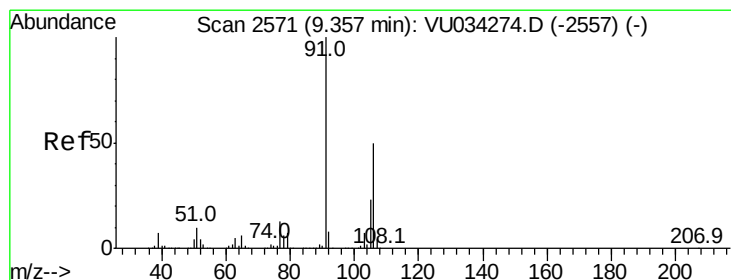
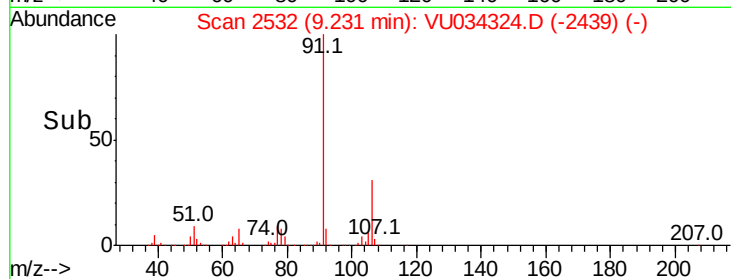
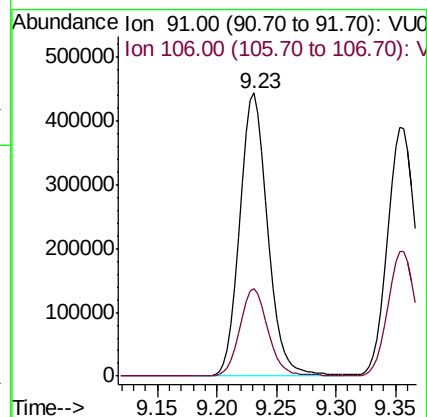
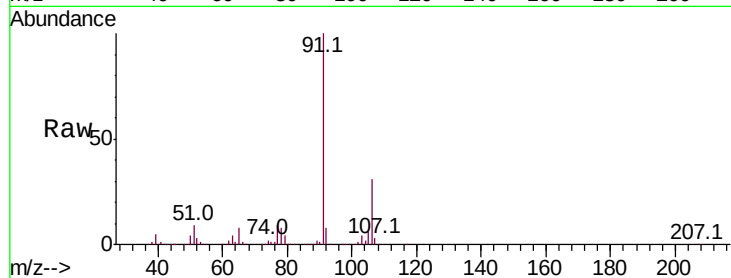




#67
Ethyl Benzene
Concen: 39.079 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

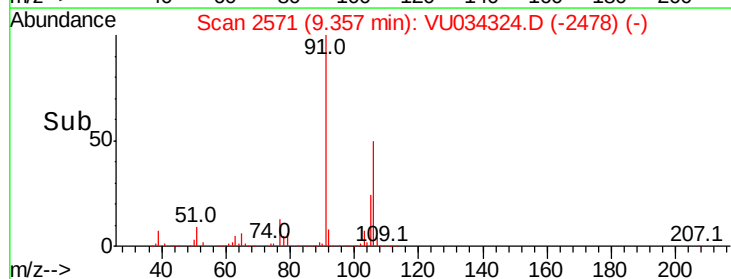
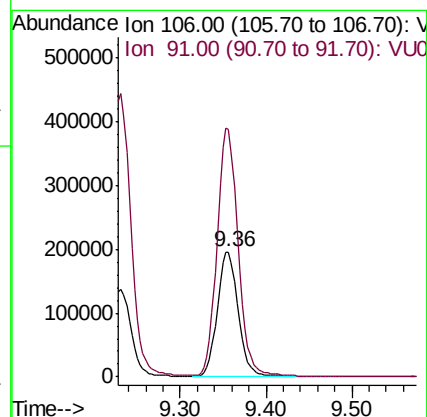
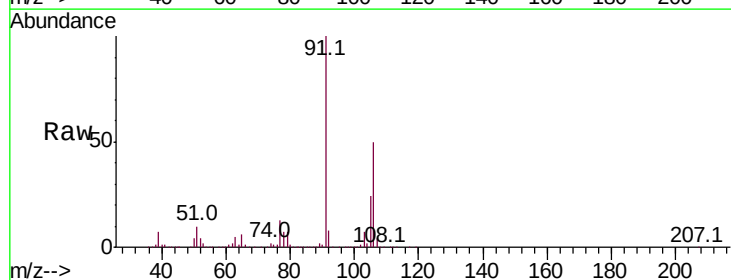
Instrument :
MSVOA_U
ClientSampled :

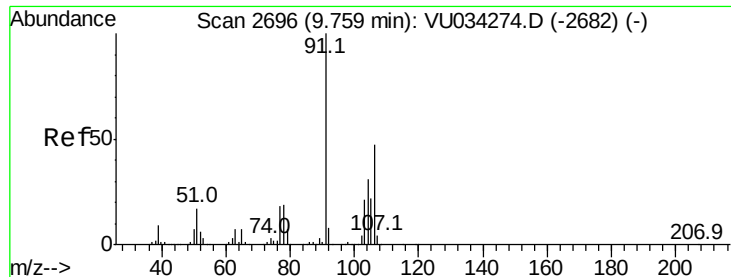
Tot Ion: 91 Resp: 724445
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 47.748 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion:106 Resp: 333314
Ion Ratio Lower Upper
106 100
91 201.2 160.1 240.1

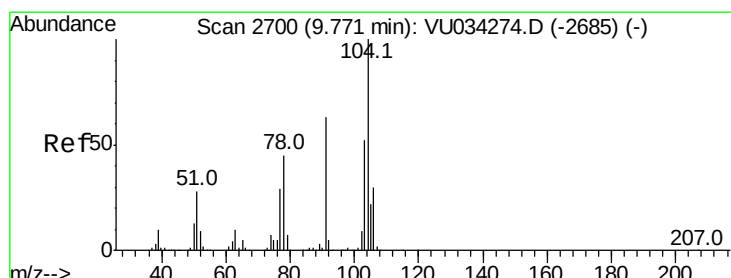
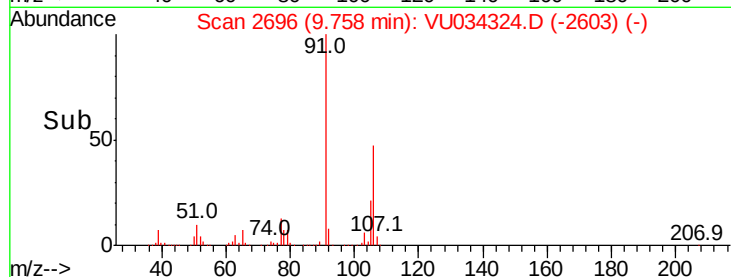
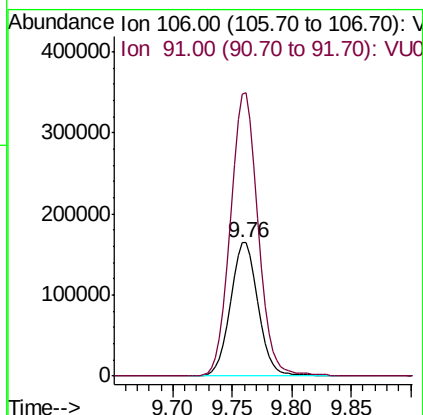
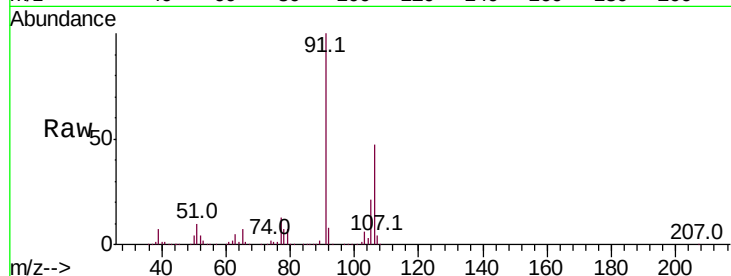




#69
o-Xylene
Concen: 38.967 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

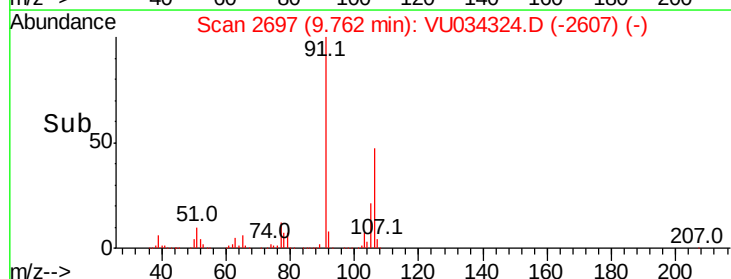
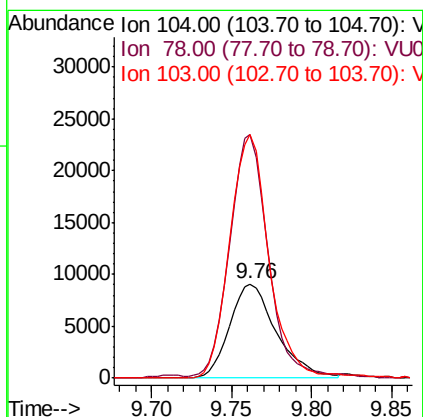
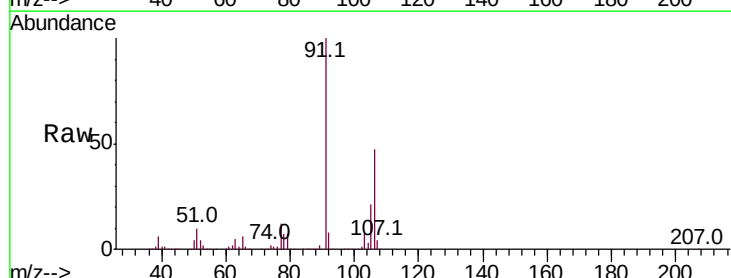
Instrument :
MSVOA_U
ClientSampleId :

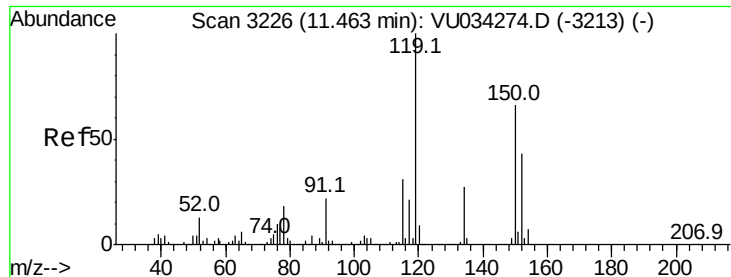
Tot Ion:106 Resp: 266020
Ion Ratio Lower Upper
106 100
91 212.0 105.1 315.3



#70
Styrene
Concen: 1.512 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.01 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion:104 Resp: 18093
Ion Ratio Lower Upper
104 100
78 214.6 38.6 57.8#
103 216.6 44.2 66.4#



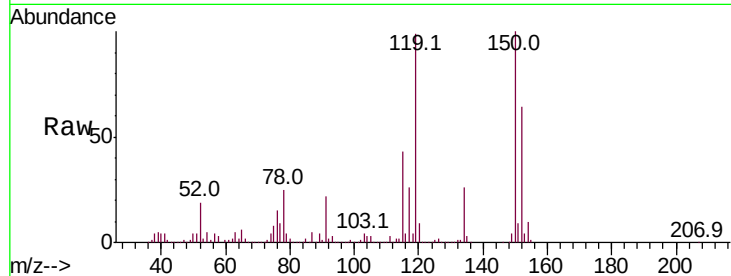


#72

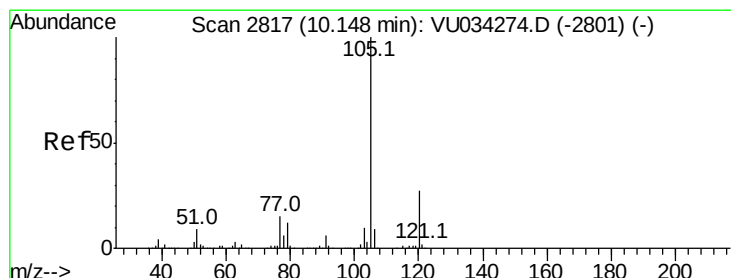
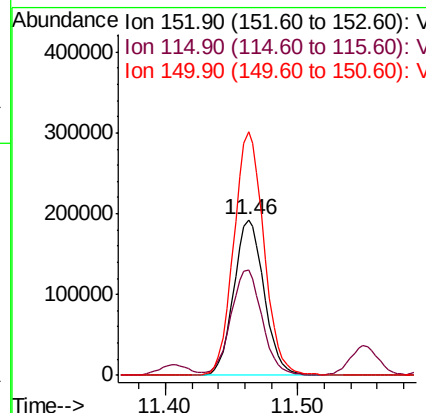
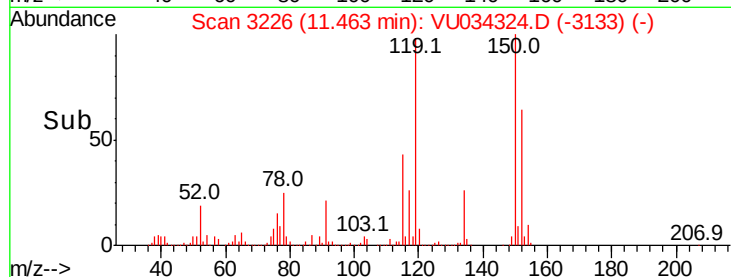
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.8	39.1	117.3
150	156.0	0.0	345.4



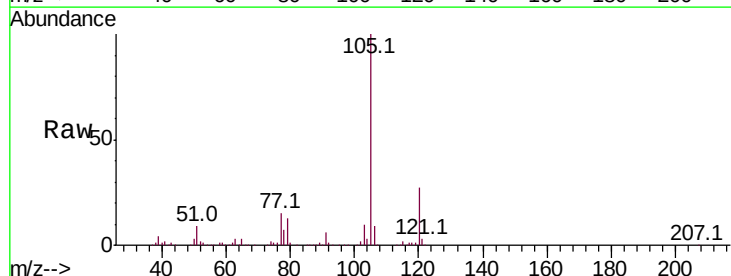
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



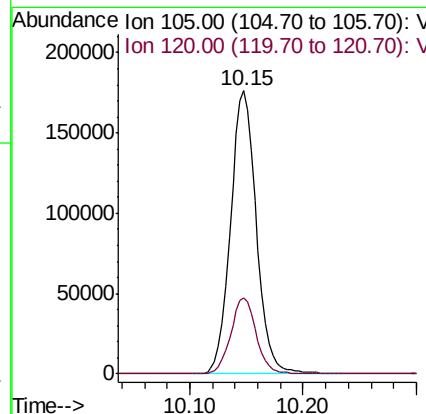
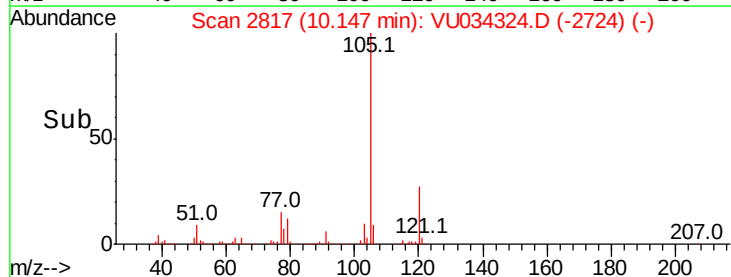
#73

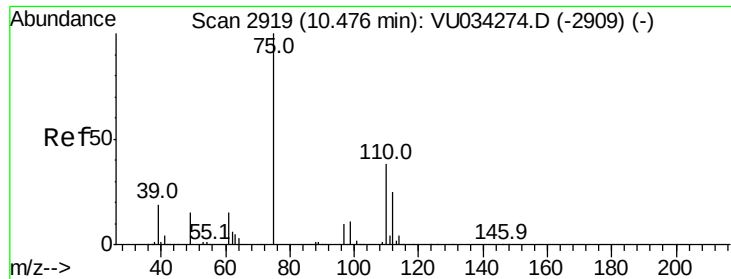
Isopropylbenzene
Concen: 14.101 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 1.031 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.19 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

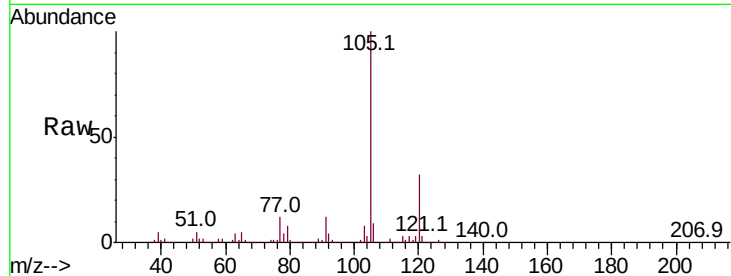
ClientSampleId :

Tot Ion: 75 Resp: 6855

Ion Ratio Lower Upper

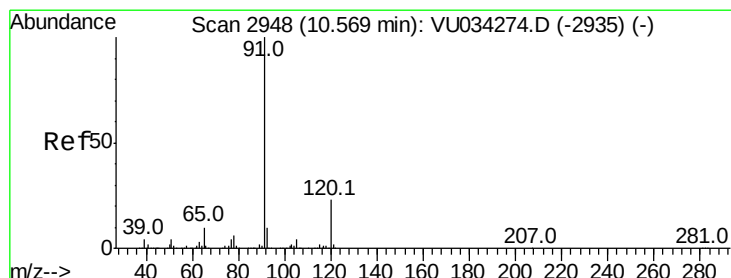
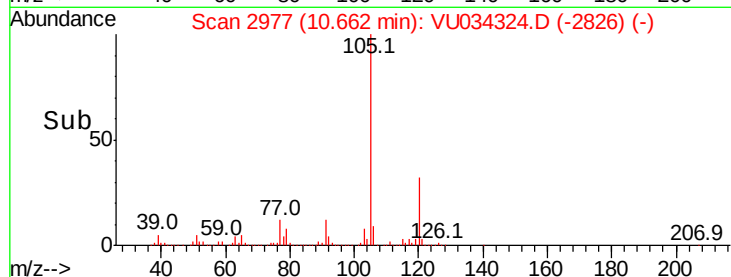
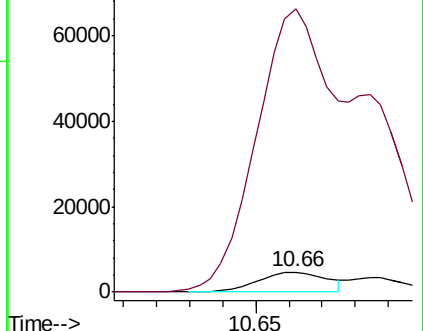
75 100

77 1582.8 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-2909) (-)



#78

n-propylbenzene

Concen: 6.419 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034324.D

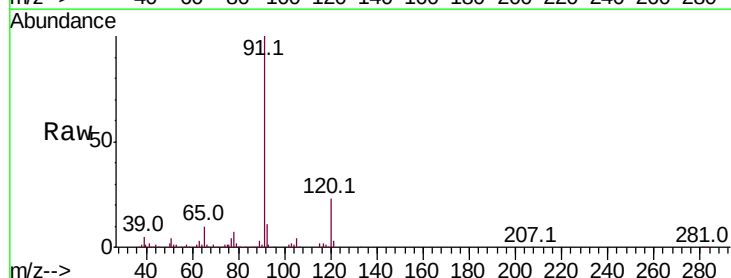
Acq: 06 Sep 2019 12:42

Tgt Ion: 91 Resp: 146976

Ion Ratio Lower Upper

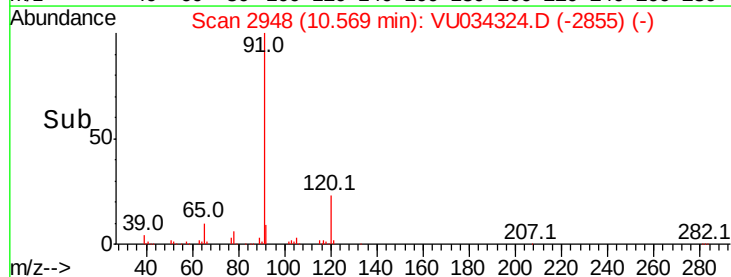
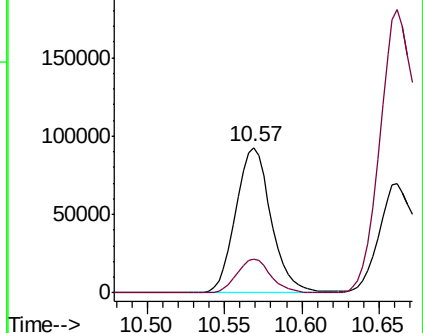
91 100

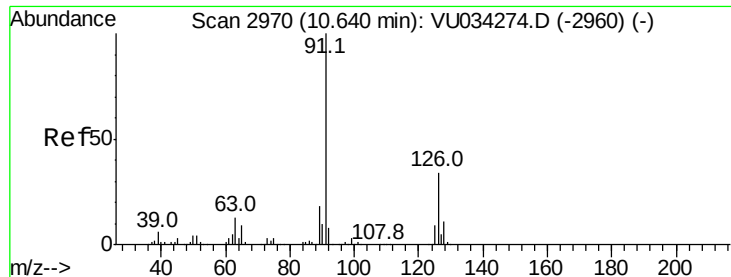
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2935) (-)

Ion 120.00 (119.70 to 120.70): VU034274.D (-2935) (-)

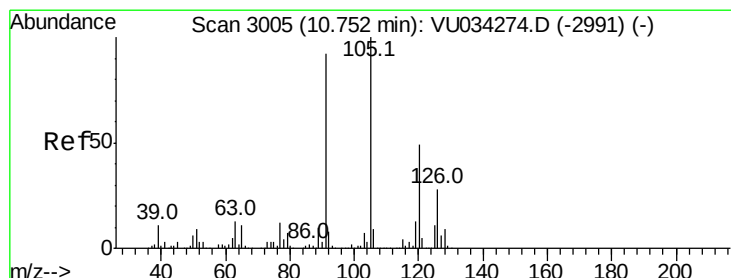
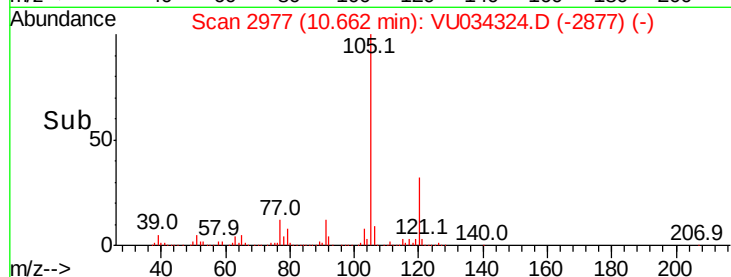
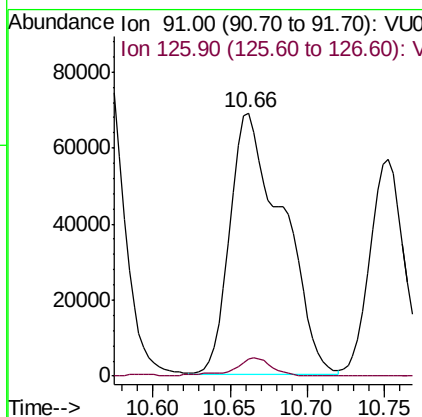
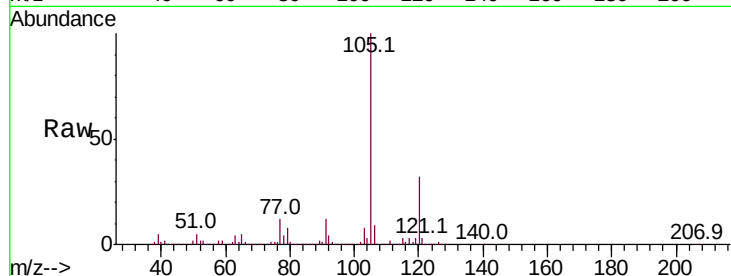




#79
 2-Chlorotoluene
 Concen: 11.682 ug/l
 RT: 10.66 min Scan# 2977
 Delta R.T. 0.02 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

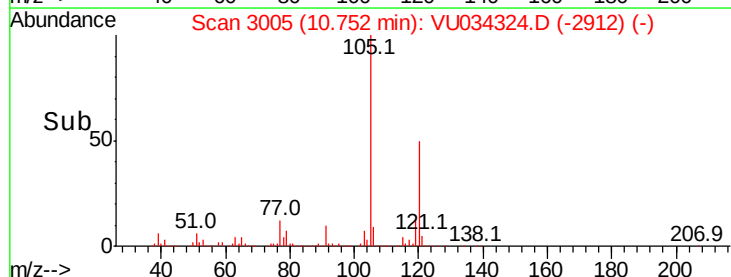
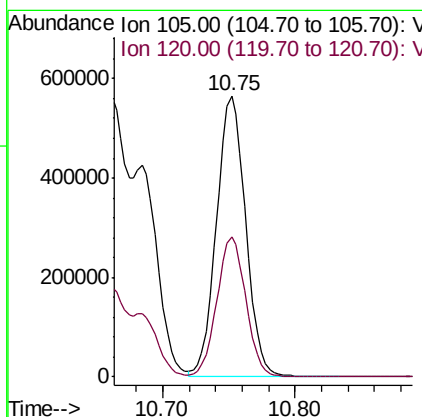
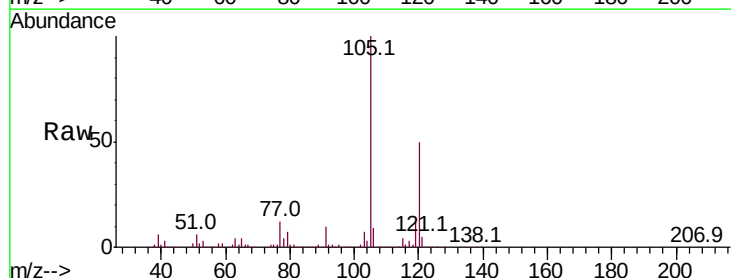
Instrument :
 MSVOA_U
 ClientSampleId :

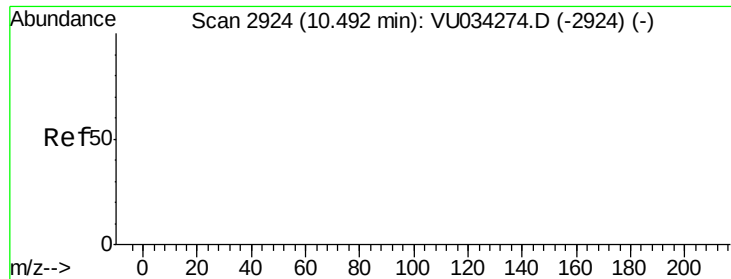
Tot Ion: 91 Resp: 163205
 Ion Ratio Lower Upper
 91 100
 126 4.9 17.3 51.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 51.782 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Tgt Ion:105 Resp: 858616
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.7

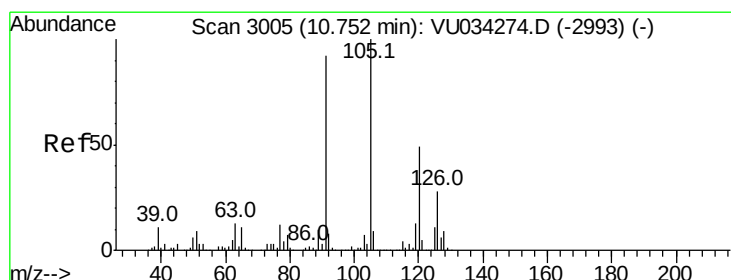
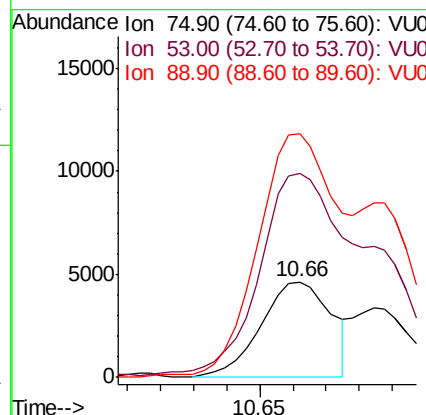
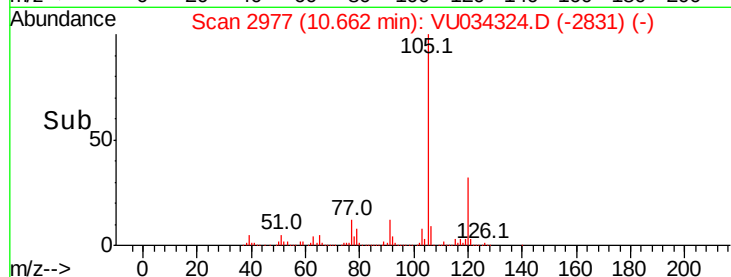
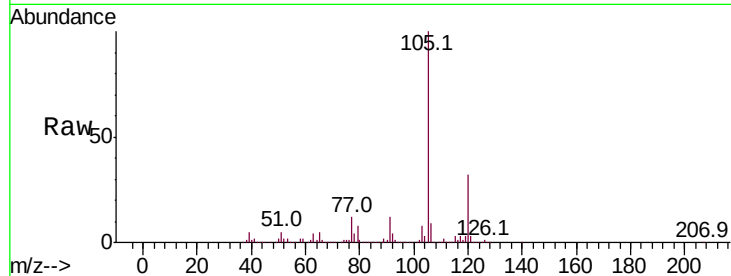




#81
trans-1,4-Dichloro-2-butene
Concen: 3.467 ug/l
RT: 10.66 min Scan# 2977
Delta R.T. 0.17 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

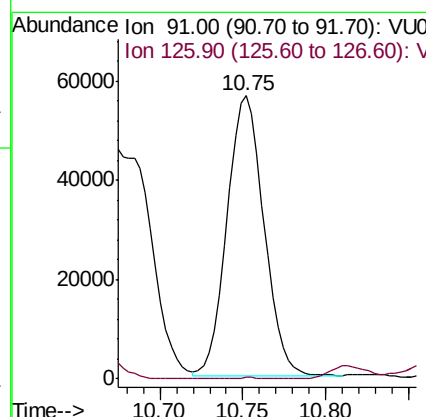
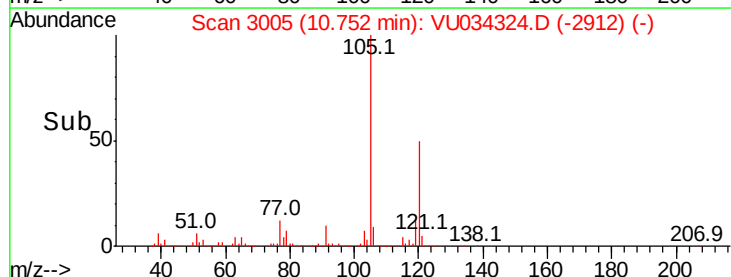
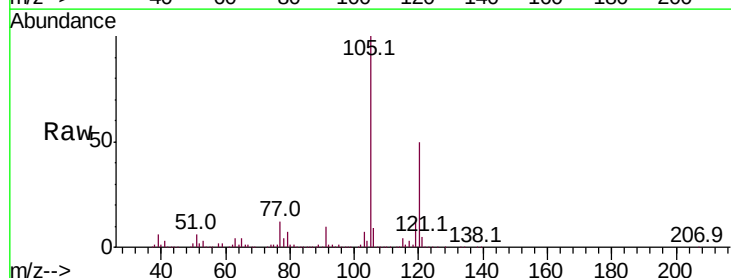
Instrument :
MSVOA_U
ClientSampleId :

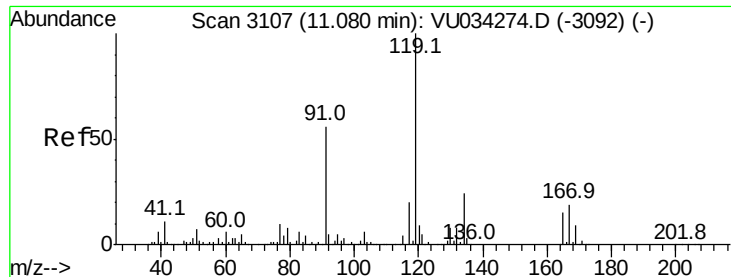
Tot Ion: 75 Resp: 6855
Ion Ratio Lower Upper
75 100
53 339.4 0.0 0.0#
89 295.0 0.0 0.0#



#82
4-Chlorotoluene
Concen: 5.430 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion: 91 Resp: 87302
Ion Ratio Lower Upper
91 100
126 0.0 15.3 45.8#





#83

tert-Butylbenzene

Concen: 19.448 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. 0.05 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampleId :

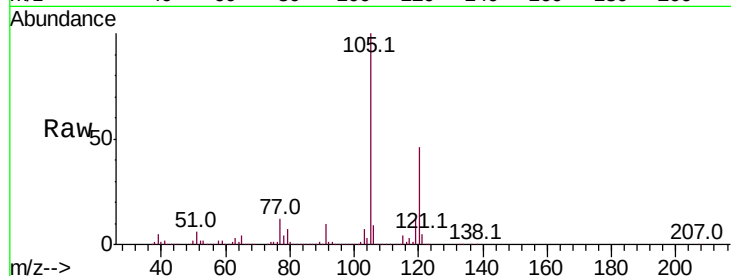
Tot Ion:119 Resp: 322590

Ion Ratio Lower Upper

119 100

91 78.7 27.8 83.4

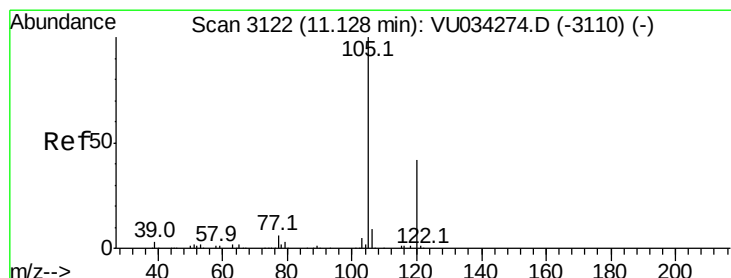
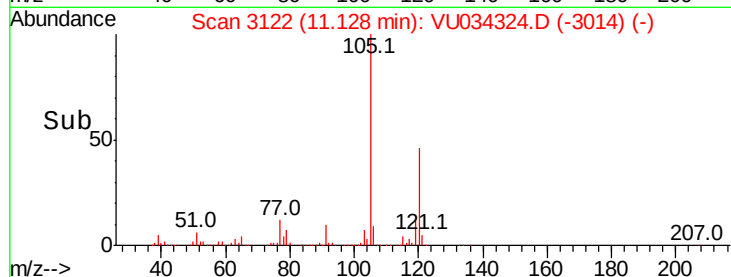
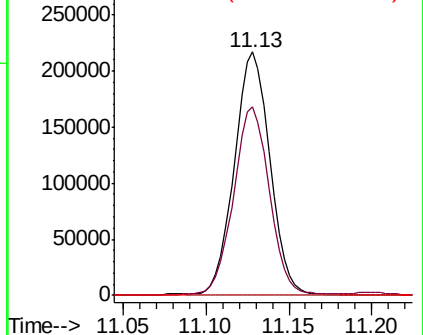
134 0.0 11.7 35.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 154.933 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. -0.00 min

Lab File: VU034324.D

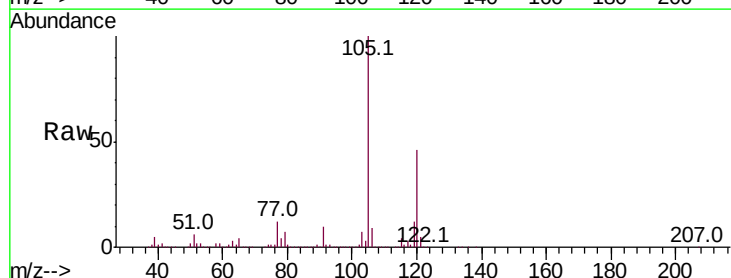
Acq: 06 Sep 2019 12:42

Tgt Ion:105 Resp: 2585985

Ion Ratio Lower Upper

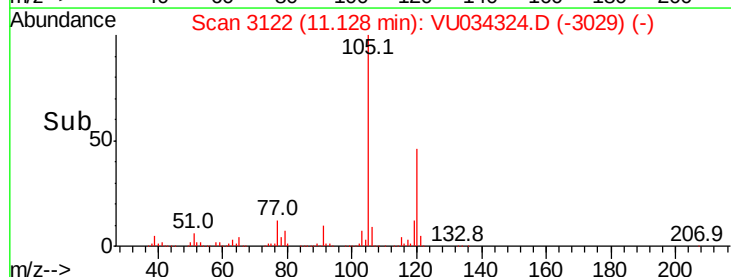
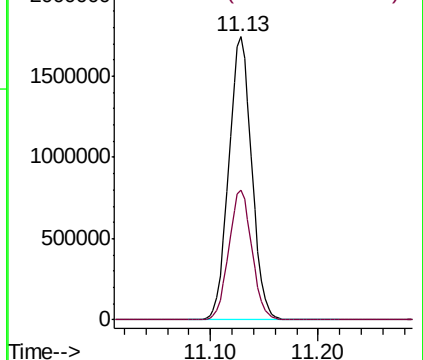
105 100

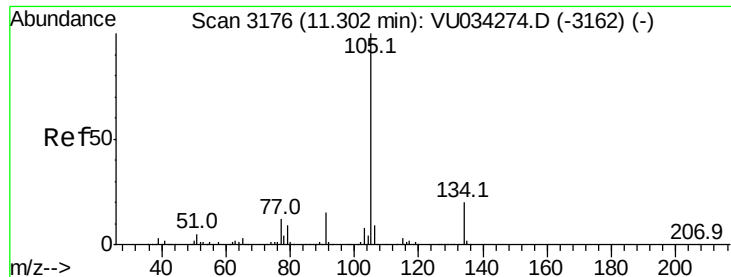
120 46.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 132.053 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. -0.17 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

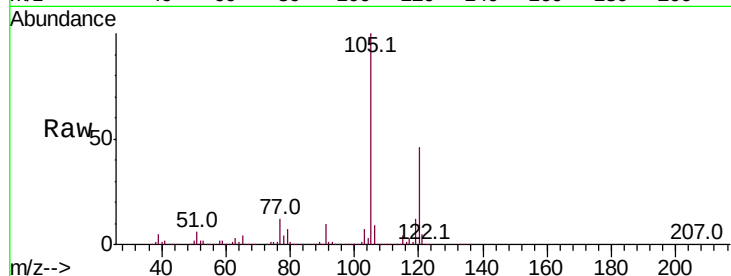
ClientSampleId :

Tot Ion:105 Resp: 2585985

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 134.00 (133.70 to 134.70): V

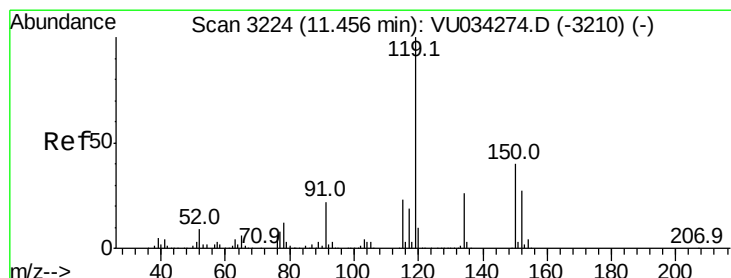
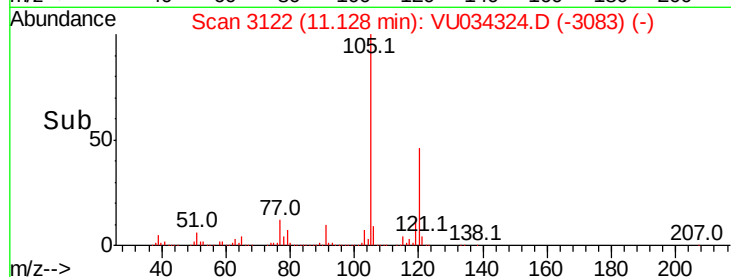
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 32.155 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

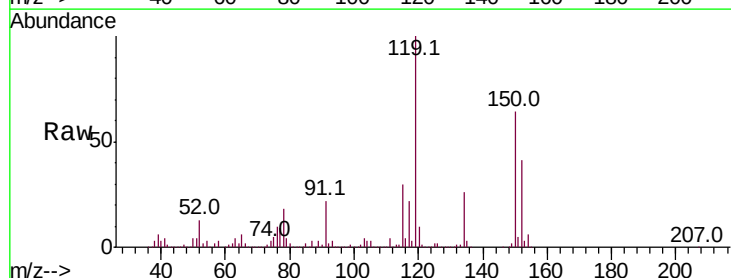
Tgt Ion:119 Resp: 581199

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 23.0 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

500000 Ion 134.00 (133.70 to 134.70): V

400000 Ion 91.00 (90.70 to 91.70): VU0

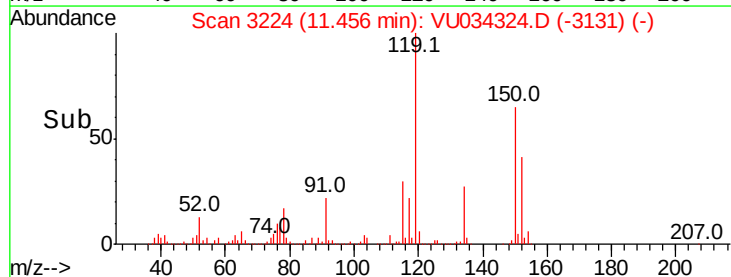
300000

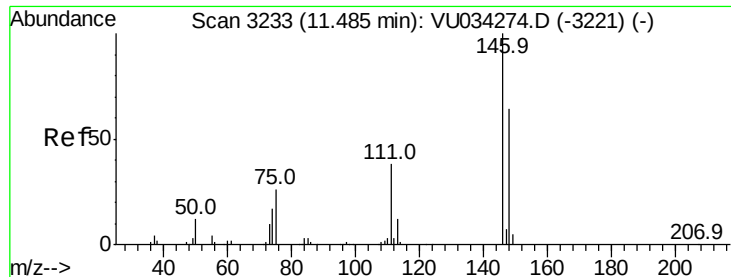
200000

100000

0

Time-->

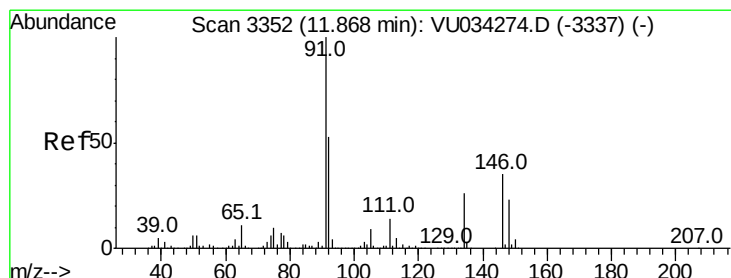
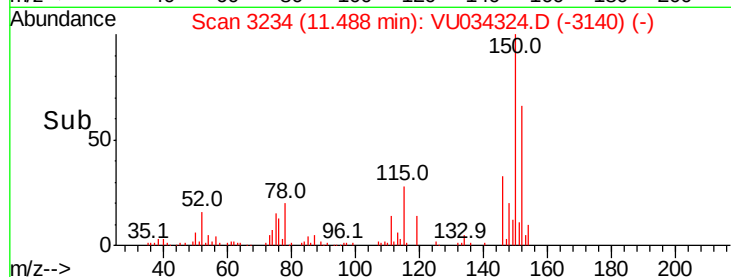
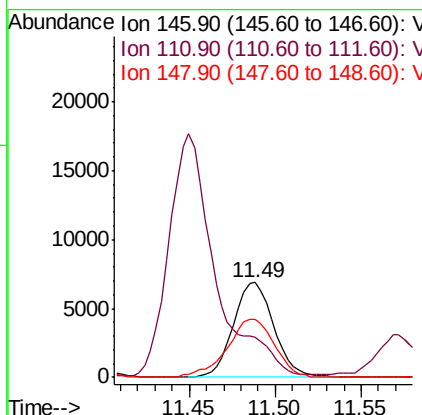
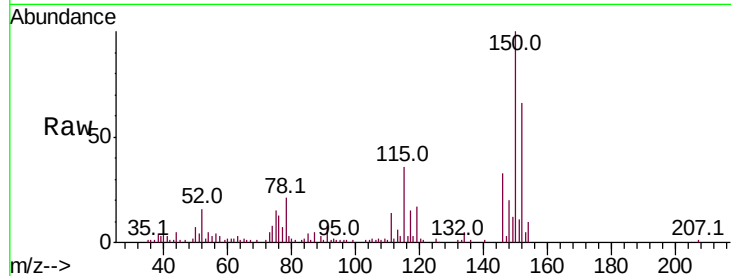




#88
 1,4-Dichlorobenzene
 Concen: 1.068 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

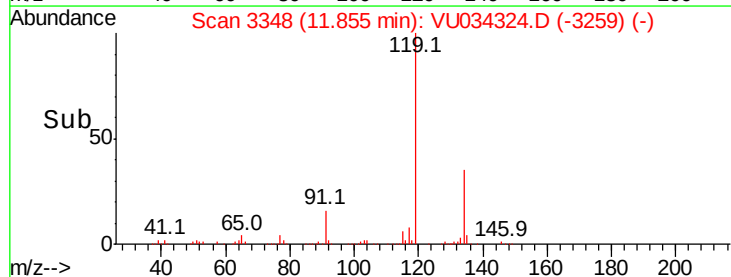
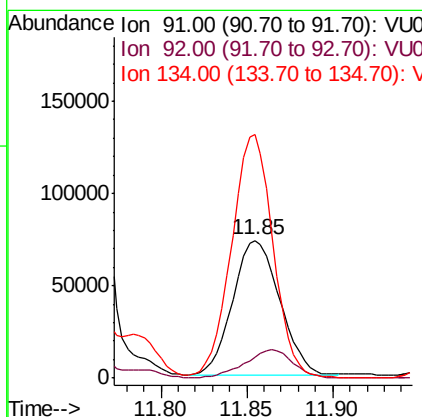
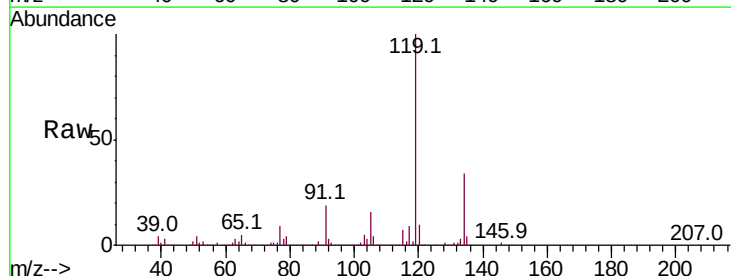
Instrument :
 MSVOA_U
 ClientSampleId :

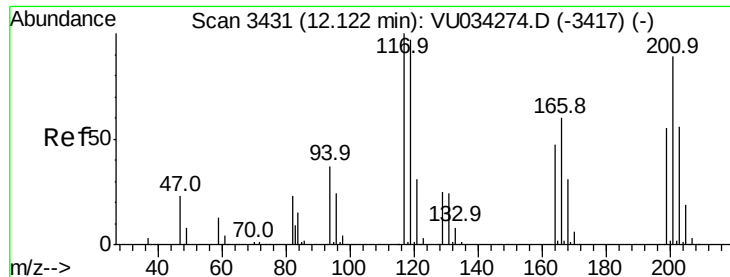
Tot Ion:146 Resp: 11267
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.3#
 148 71.4 32.0 96.0



#89
 n-Butylbenzene
 Concen: 8.851 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.01 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Tgt Ion: 91 Resp: 139024
 Ion Ratio Lower Upper
 91 100
 92 20.3 26.5 79.4#
 134 158.8 13.2 39.6#

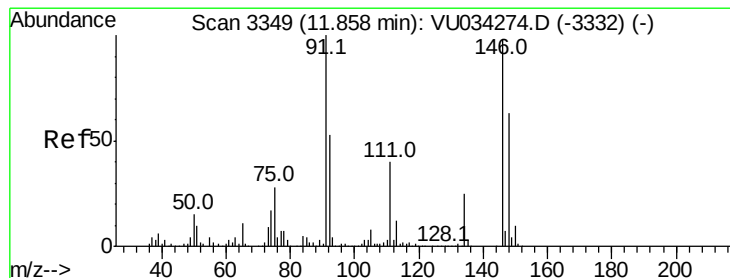
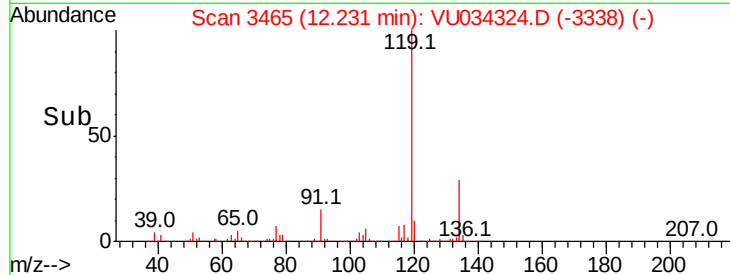
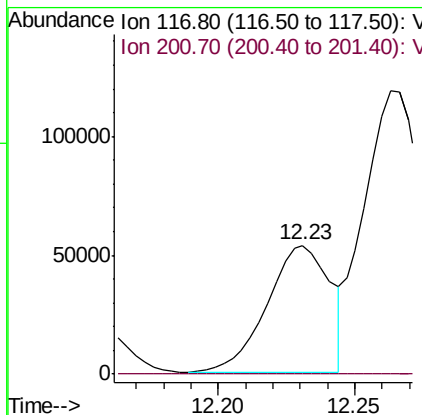
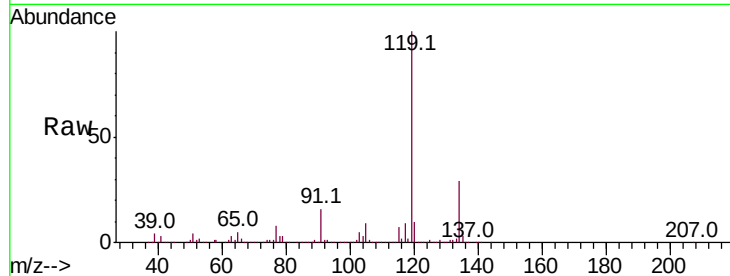




#90
Hexachloroethane
Concen: 29.479 ug/l
RT: 12.23 min Scan# 3465
Delta R.T. 0.11 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

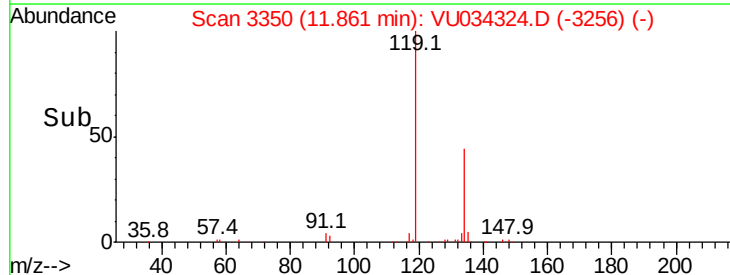
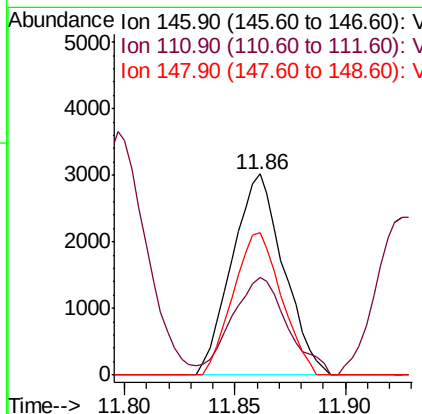
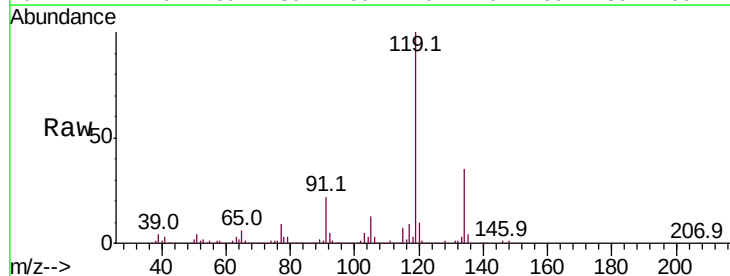
Instrument :
MSVOA_U
ClientSampled :

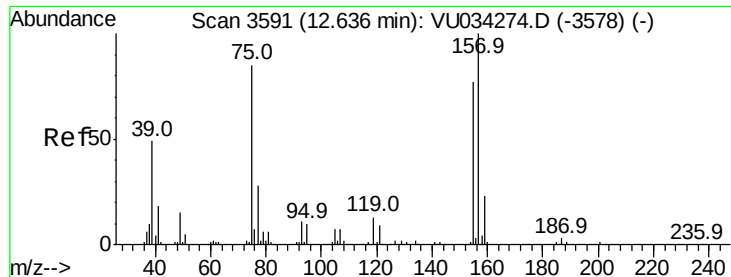
Tot Ion:117 Resp: 85247
Ion Ratio Lower Upper
117 100
201 0.0 44.1 132.4#



#91
1,2-Dichlorobenzene
Concen: 0.493 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VU034324.D
Acq: 06 Sep 2019 12:42

Tgt Ion:146 Resp: 4900
Ion Ratio Lower Upper
146 100
111 52.5 20.0 60.0
148 66.2 31.6 94.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.232 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

Instrument :

MSVOA_U

ClientSampleId :

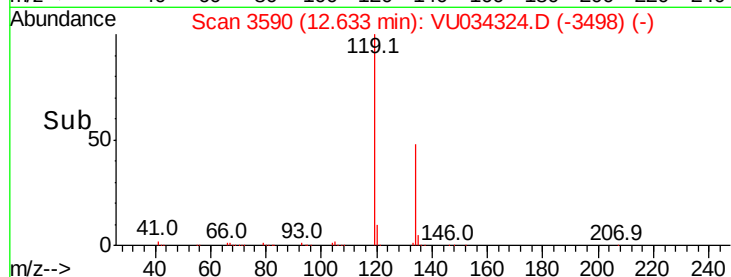
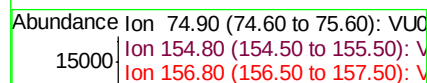
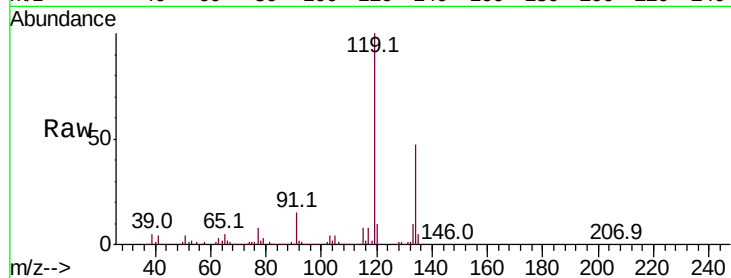
Tot Ion: 75 Resp: 3292

Ion Ratio Lower Upper

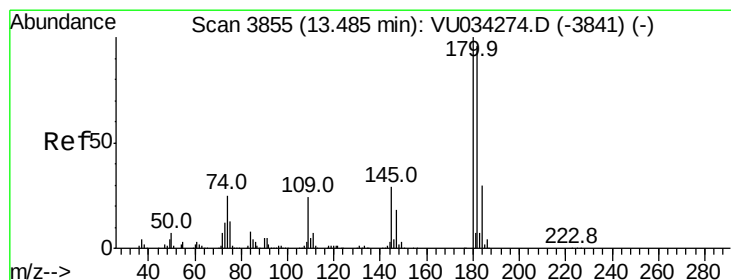
75 100

155 0.0 44.6 134.0#

157 0.0 58.2 174.6#



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.712 ug/l

RT: 13.48 min Scan# 3855

Delta R.T. -0.00 min

Lab File: VU034324.D

Acq: 06 Sep 2019 12:42

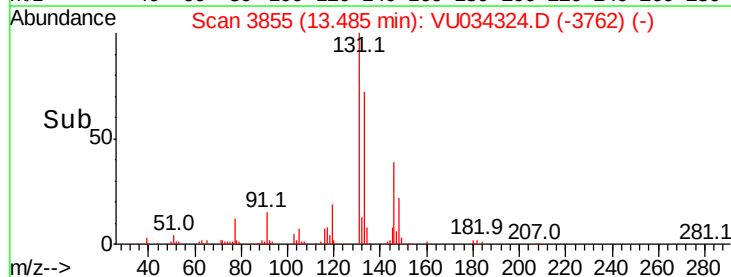
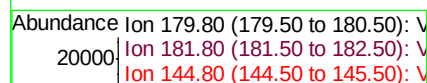
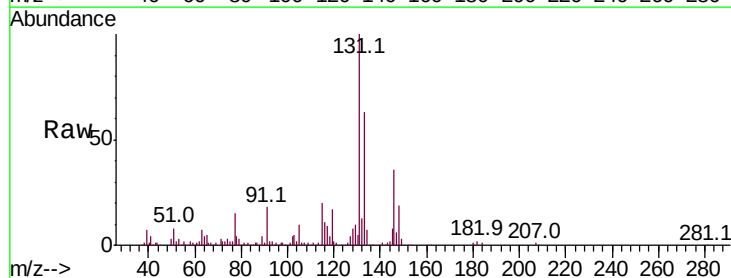
Tgt Ion: 180 Resp: 2019

Ion Ratio Lower Upper

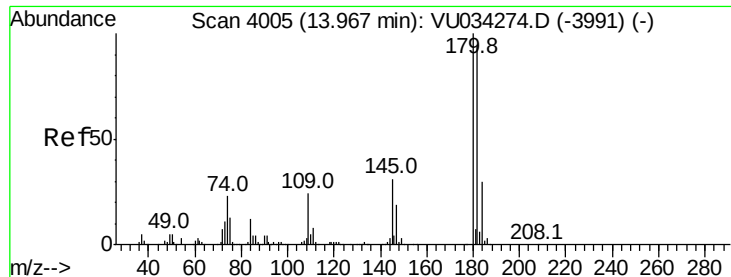
180 100

182 97.7 47.9 143.8

145 839.4 14.4 43.0#



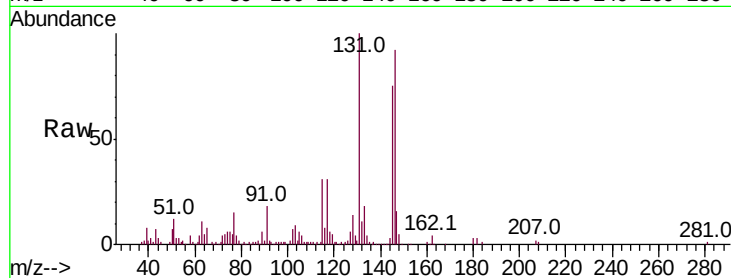
Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 2.893 ug/l
 RT: 13.97 min Scan# 4006
 Delta R.T. 0.00 min
 Lab File: VU034324.D
 Acq: 06 Sep 2019 12:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 1873
 Ion Ratio Lower Upper
 180 100
 182 88.4 48.4 145.0
 145 6885.8 15.4 46.4#



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

