

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034329.D
 Acq On : 06 Sep 2019 14:38
 Operator : JC/SP
 Sample : K4689-02 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 15:28:57 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	309986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	464244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	456175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307423	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	238993	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
35) Dibromofluoromethane	4.86	113	208349	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	7.55	98	809188	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	10.29	95	302451	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	709	Below Cal		85
6) Chloroethane	1.70	64	269	Below Cal	#	43
10) Methyl Iodide	2.41	142	151	3.889	ug/l #	43
11) Tert butyl alcohol	2.82	59	2703	2.728	ug/l #	73
16) Acetone	2.31	43	4285	1.765	ug/l	98
20) Methylene Chloride	2.69	84	860	Below Cal		91
29) Tetrahydrofuran	4.65	42	1034	0.524	ug/l #	88
31) Cyclohexane	4.96	56	4913	0.894	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	19856	3.944	ug/l #	49
38) Carbon Tetrachloride	4.96	117	27636	5.141	ug/l #	15
40) Benzene	5.37	78	39454	2.429	ug/l	100
41) Methacrylonitrile	4.65	41	749	0.236	ug/l #	28
44) Trichloroethene	6.17	130	2364	0.526	ug/l	98
52) Toluene	7.62	92	14556	1.428	ug/l	99
67) Ethyl Benzene	9.23	91	139104	7.351	ug/l	97
68) m/p-Xylenes	9.36	106	61875	8.683	ug/l	100
69) o-Xylene	9.76	106	49895	7.160	ug/l	97
70) Styrene	9.76	104	3756	0.307	ug/l #	1
73) Isopropylbenzene	10.15	105	53045	2.651	ug/l	98
76) 1,2,3-Trichloropropane	10.29	75	141732	21.121	ug/l #	36
78) n-propylbenzene	10.57	91	28675	1.241	ug/l	97
79) 2-Chlorotoluene	10.66	91	20590	1.460	ug/l #	51
80) 1,3,5-Trimethylbenzene	10.75	105	159878	9.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.29	75	141732	71.028	ug/l #	100
82) 4-Chlorotoluene	10.75	91	16459	1.014	ug/l #	44
83) tert-Butylbenzene	11.13	119	61933	3.700	ug/l #	66
84) 1,2,4-Trimethylbenzene	11.13	105	485491	28.825	ug/l	99
85) sec-Butylbenzene	11.13	105	485491	24.568	ug/l #	56
86) p-Isopropyltoluene	11.46	119	107809	5.911	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	2376	0.223	ug/l #	50
89) n-Butylbenzene	11.86	91	27406	1.729	ug/l #	1
90) Hexachloroethane	12.23	117	15125	5.183	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.63	75	464	0.312	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.49	180	734	3.546	ug/l #	1

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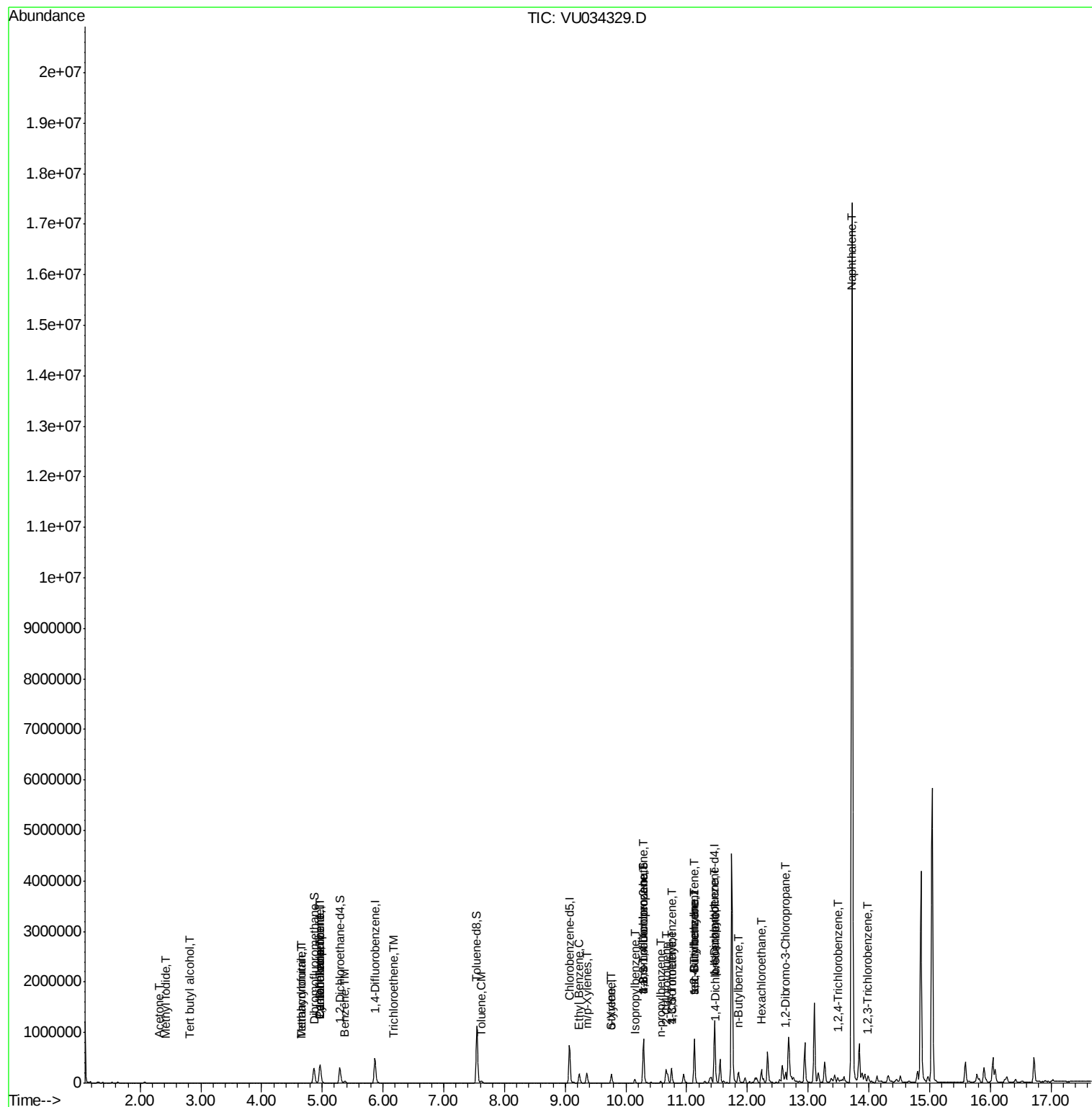
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.72	128	13723195	620.619	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	646	2.726	ug/l #	1

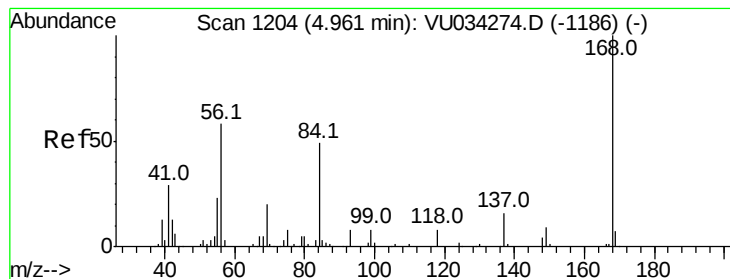
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034329.D

Acq: 06 Sep 2019 14:38

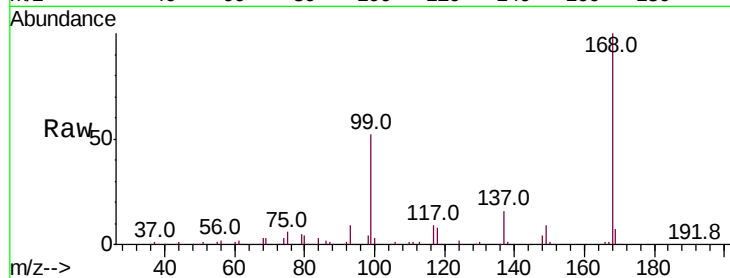
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 309986

Ion Ratio Lower Upper

168 100

99 52.0 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

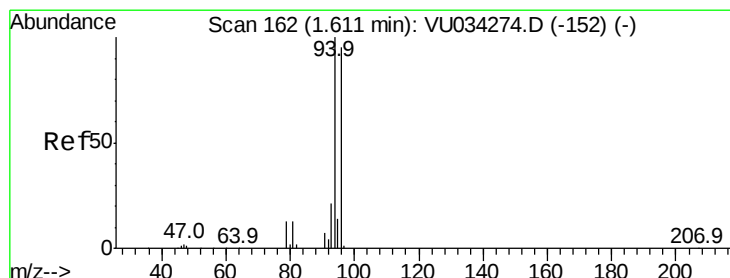
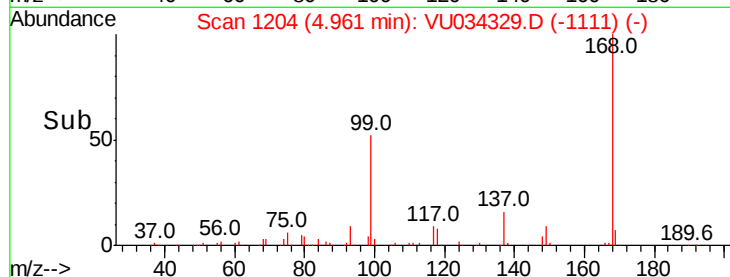
100000

50000

0

4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034329.D

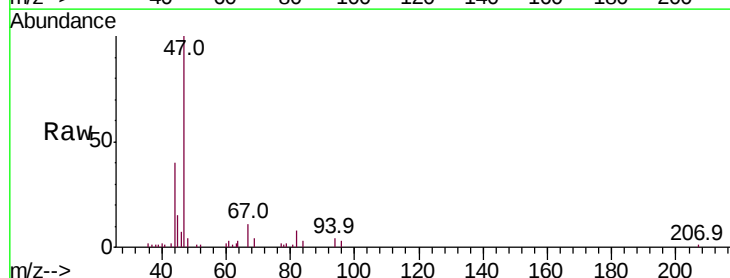
Acq: 06 Sep 2019 14:38

Tgt Ion: 94 Resp: 709

Ion Ratio Lower Upper

94 100

96 80.5 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

500

400

300

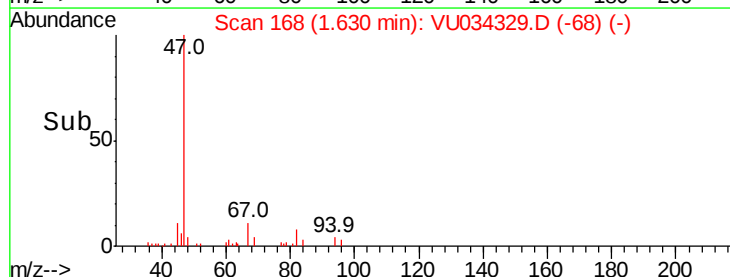
200

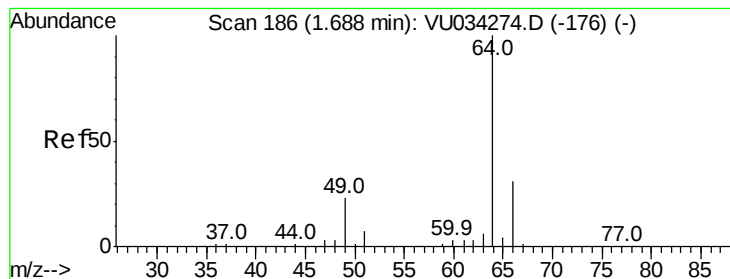
100

0

1.60 1.62 1.64 1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

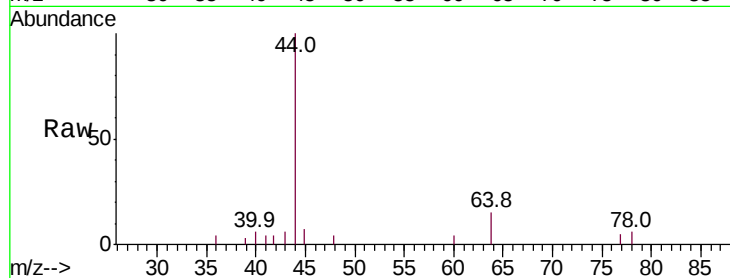
ClientSampleId :

Tot Ion: 64 Resp: 269

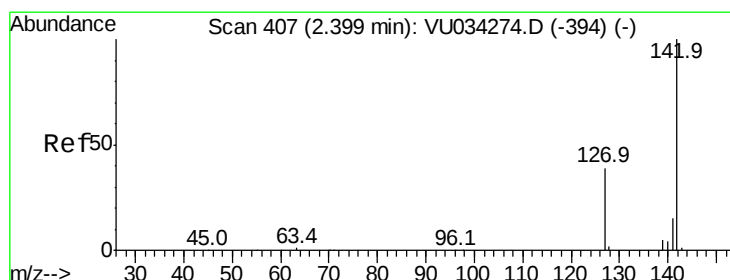
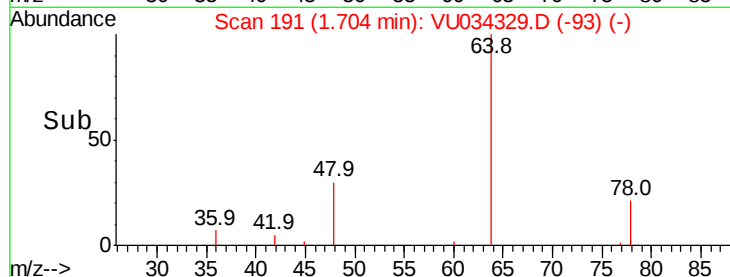
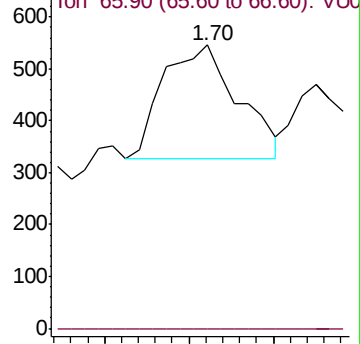
Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034329.D (-176) (-)



#10

Methyl Iodide

Concen: 3.889 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

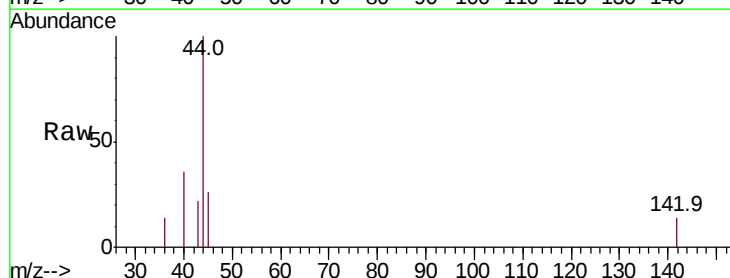
Tgt Ion: 142 Resp: 151

Ion Ratio Lower Upper

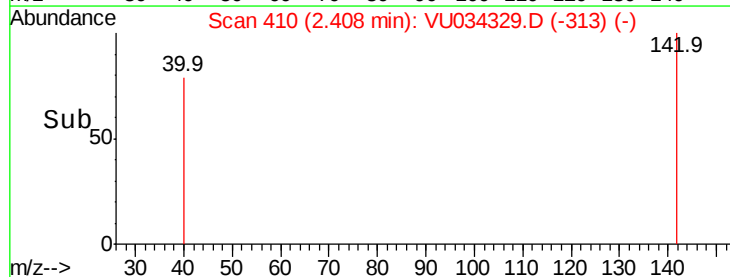
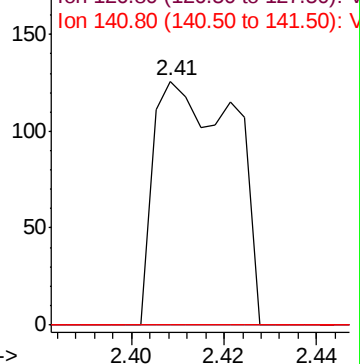
142 100

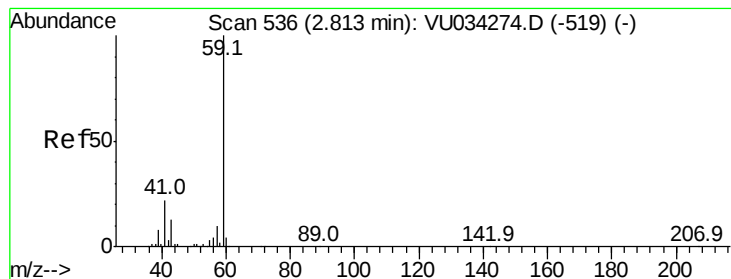
127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034329.D (-394) (-)



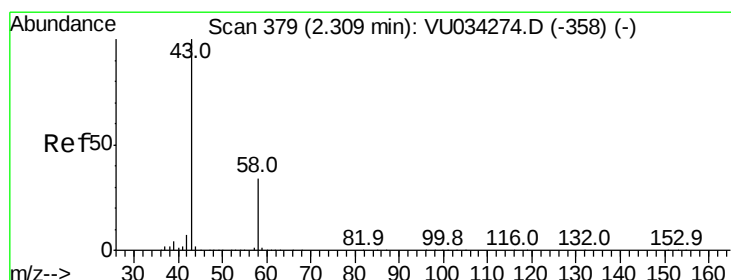
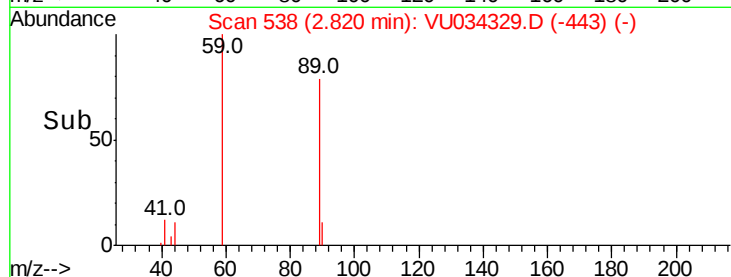
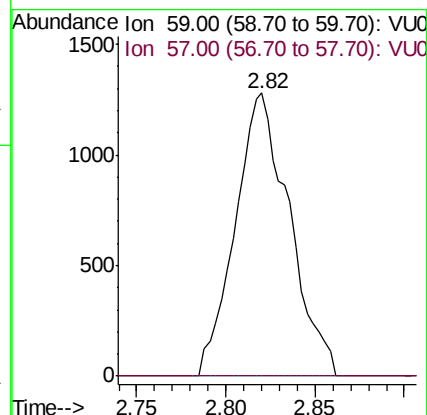
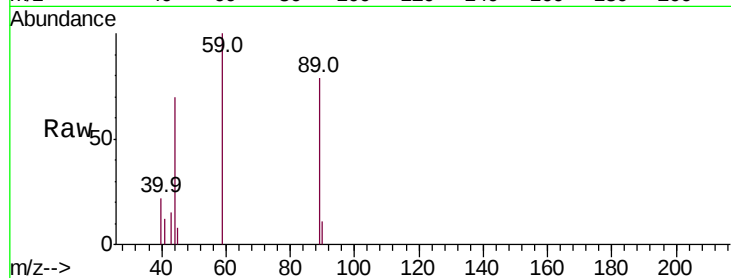


#11

Tert butyl alcohol
 Concen: 2.728 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampled :

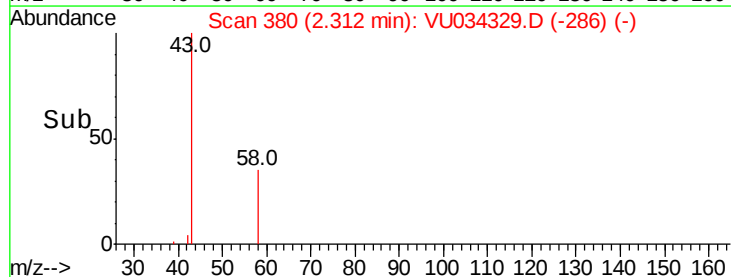
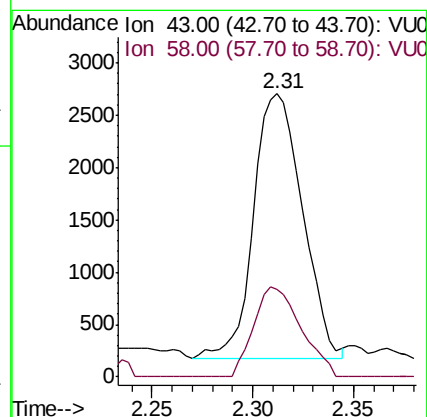
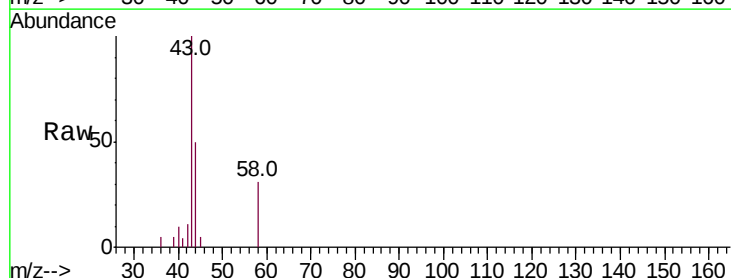
Tot Ion: 59 Resp: 2703
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

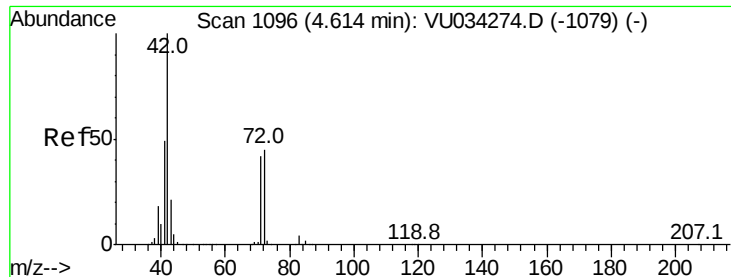


#16

Acetone
 Concen: 1.765 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Tgt Ion: 43 Resp: 4285
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.6 41.4





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.03 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

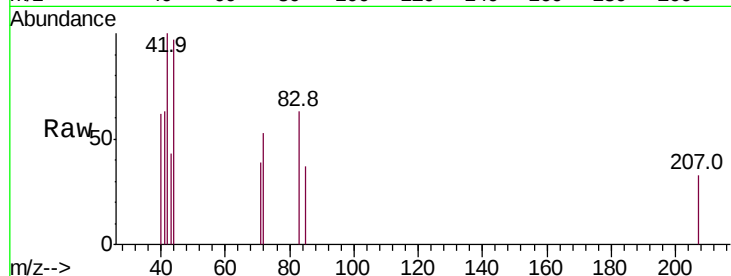
Tot Ion: 42 Resp: 1034

Ion Ratio Lower Upper

42 100

72 42.0 36.6 54.8

71 30.6 34.3 51.5#

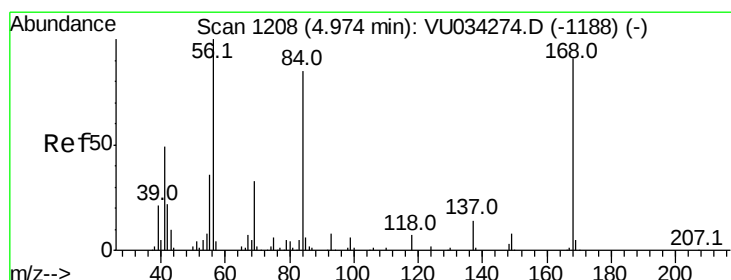
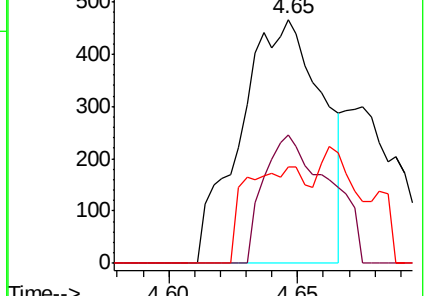
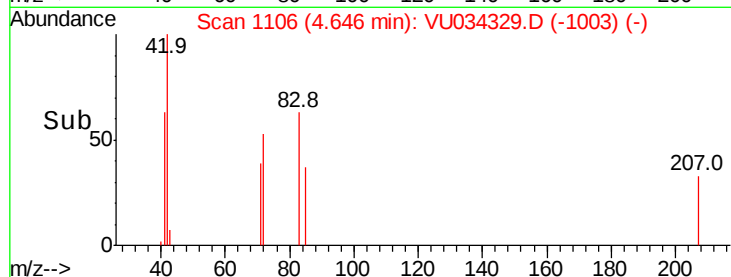


Abundance Ion 42.00 (41.70 to 42.70): VU034274.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034274.D (-1079) (-)

Time-->



#31

Cyclohexane

Concen: 0.894 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

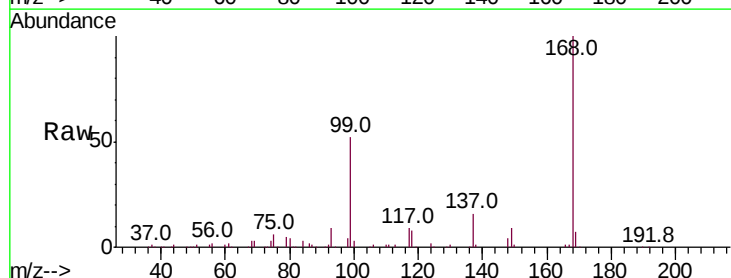
Tgt Ion: 56 Resp: 4913

Ion Ratio Lower Upper

56 100

69 199.0 26.7 40.1#

84 168.5 68.2 102.4#

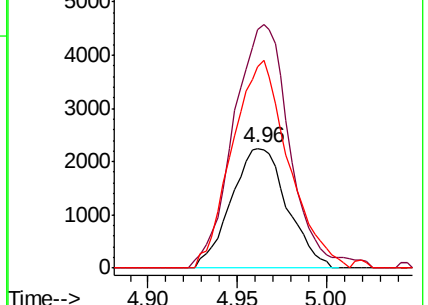
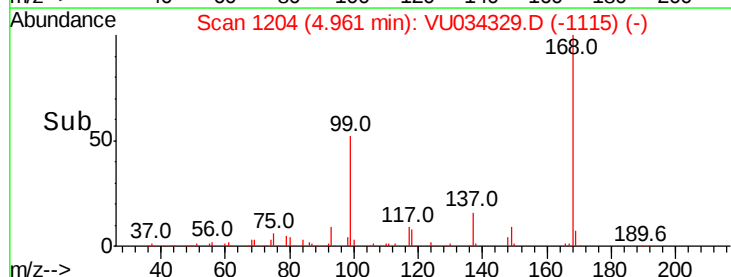


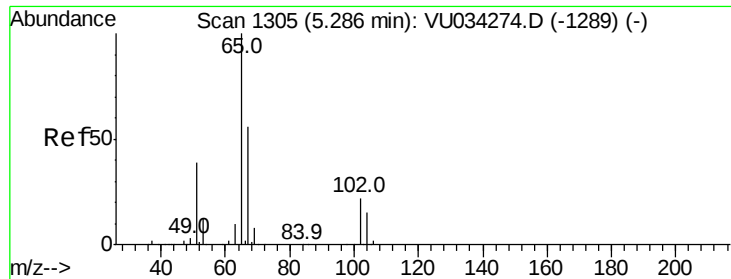
Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.956 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

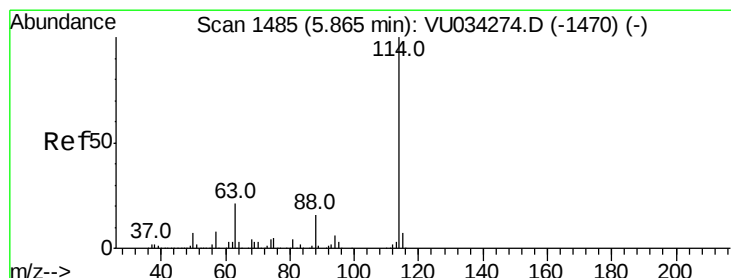
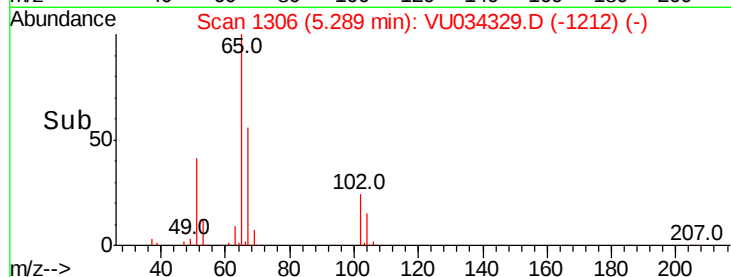
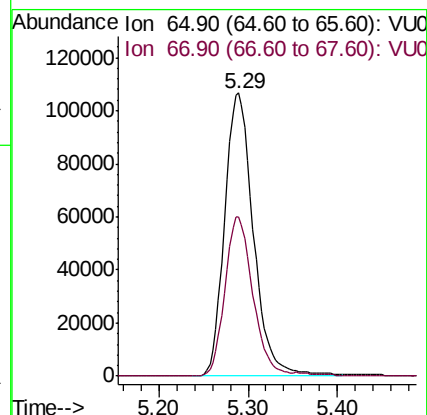
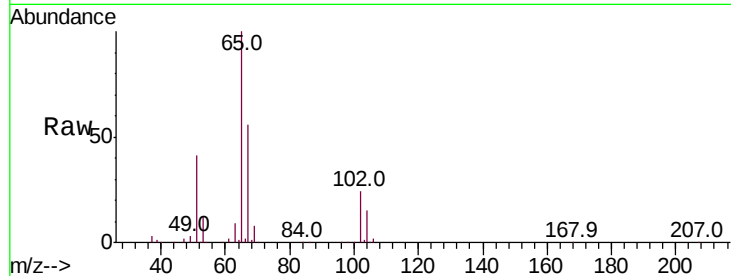
Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 238993

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	112.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

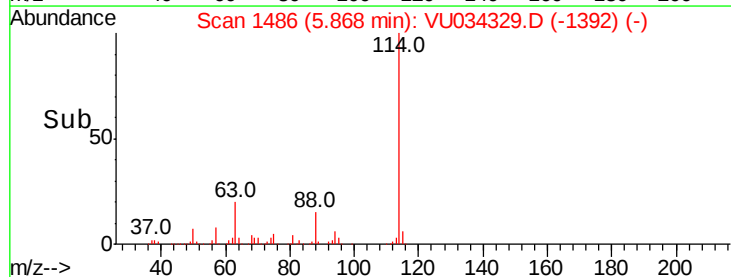
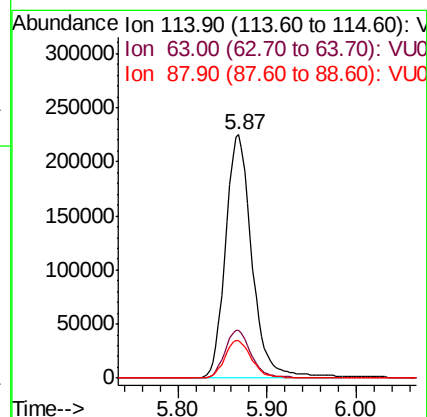
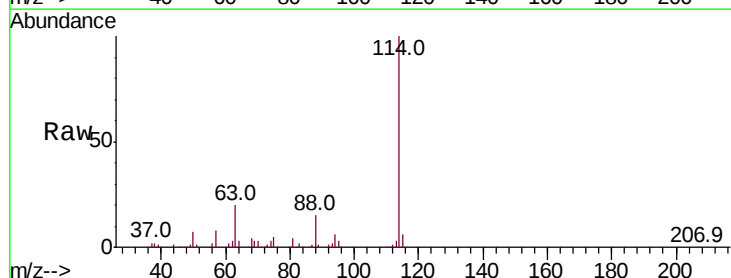
Delta R.T. 0.00 min

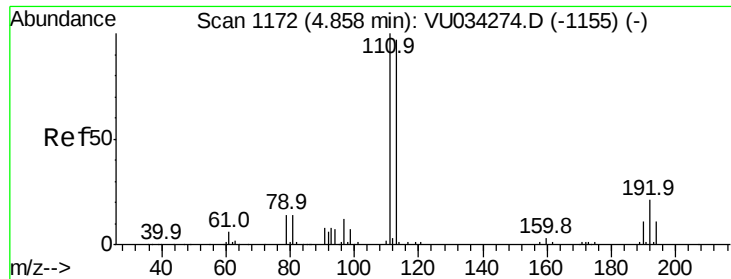
Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Tgt Ion: 114 Resp: 464244

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.4
88	15.4	0.0	32.4

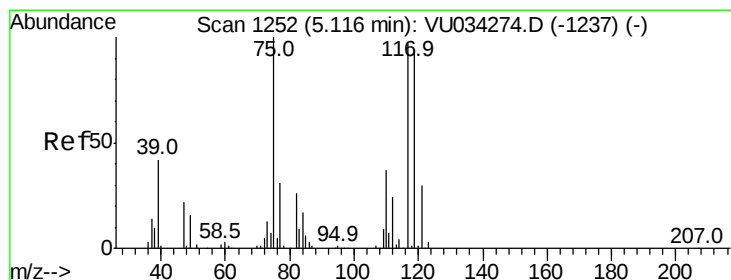
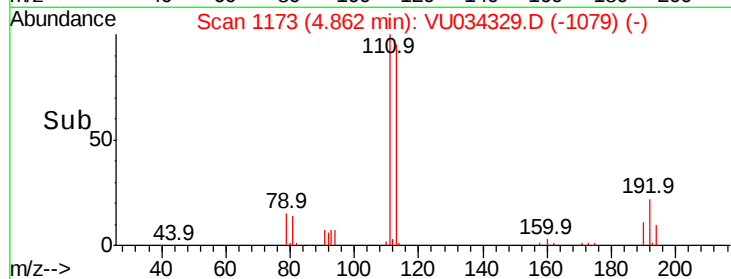
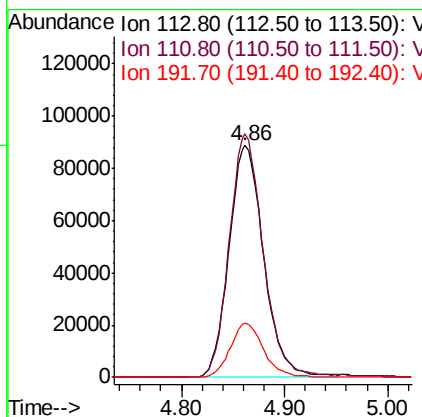
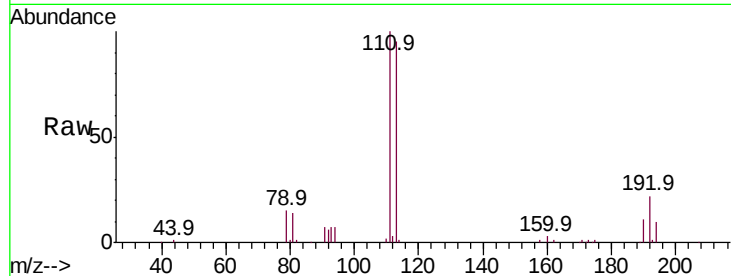




#35
 Dibromofluoromethane
 Concen: 48.231 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

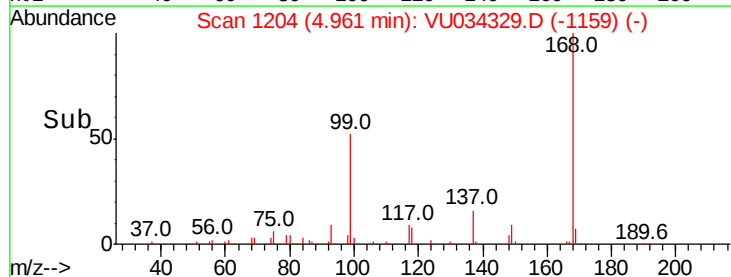
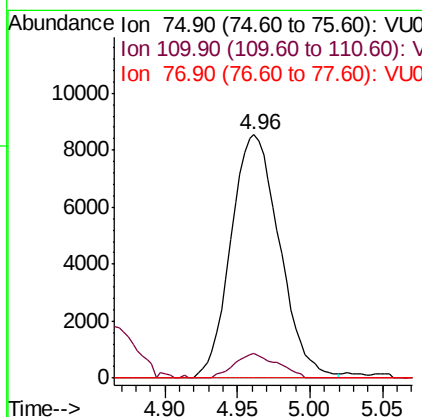
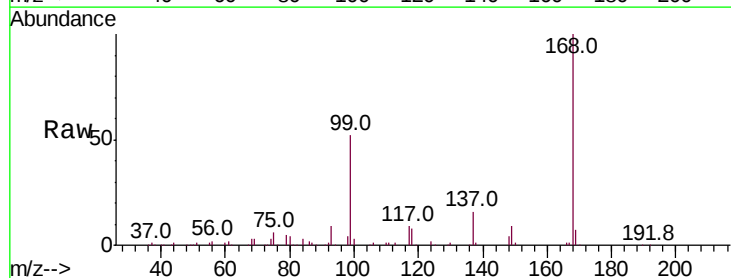
Instrument :
 MSVOA_U
 ClientSampleId :

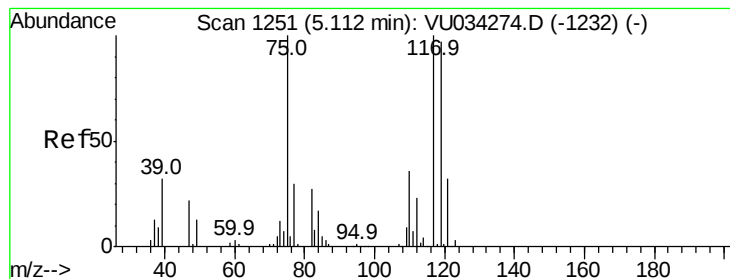
Tot Ion:113 Resp: 208349
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 22.5 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 3.944 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Tgt Ion: 75 Resp: 19856
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.141 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

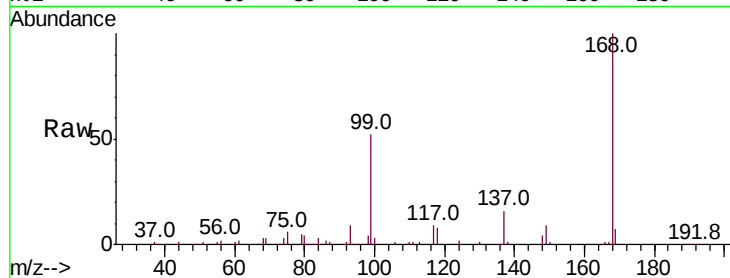
Tot Ion:117 Resp: 27636

Ion Ratio Lower Upper

117 100

119 5.0 77.8 116.6#

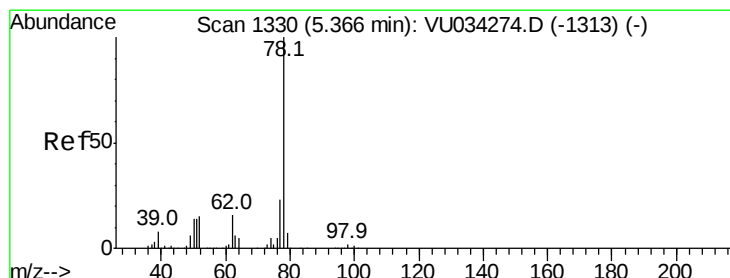
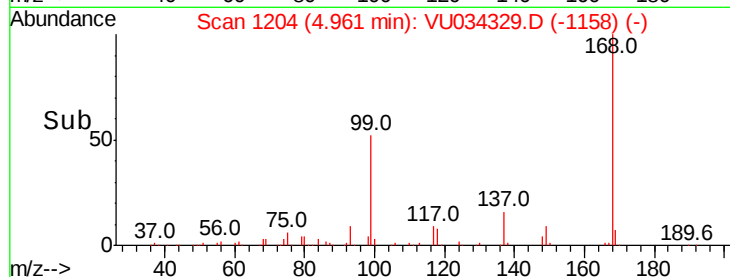
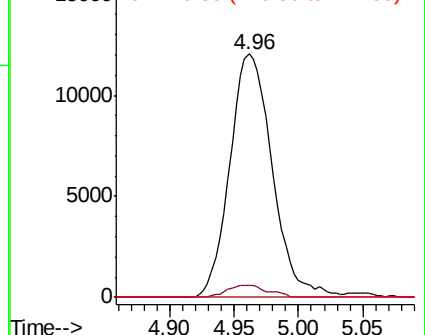
121 0.0 25.2 37.8#



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



#40

Benzene

Concen: 2.429 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VU034329.D

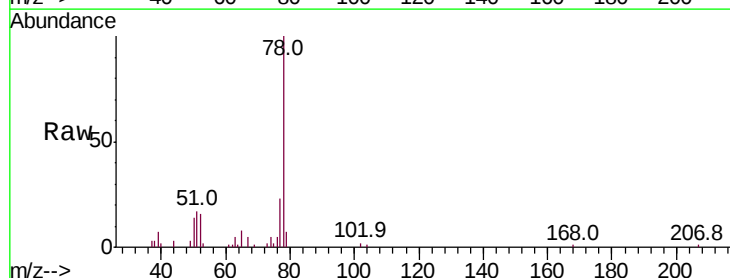
Acq: 06 Sep 2019 14:38

Tgt Ion: 78 Resp: 39454

Ion Ratio Lower Upper

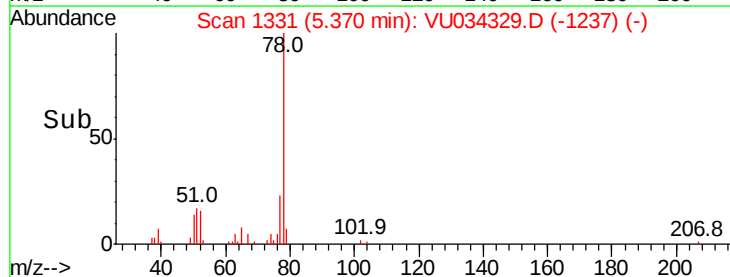
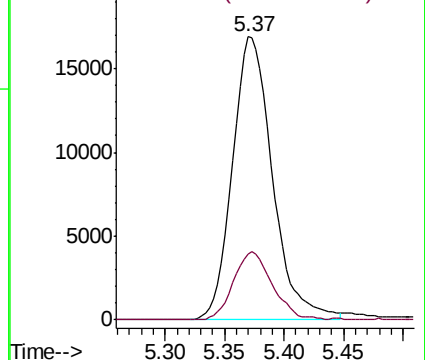
78 100

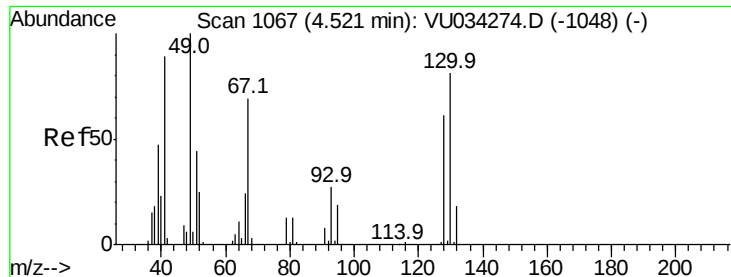
77 23.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

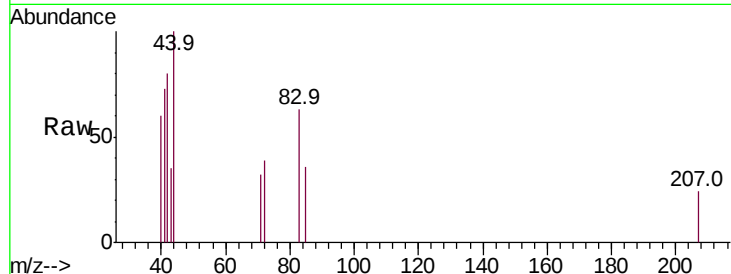




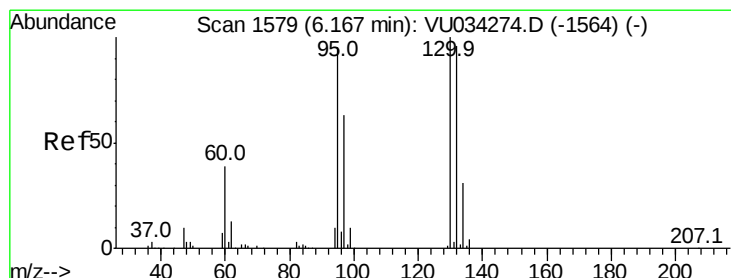
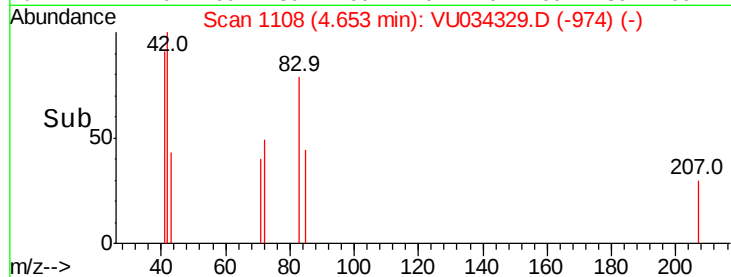
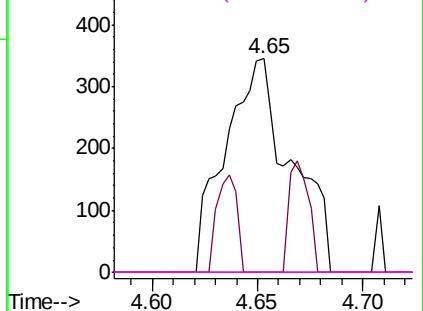
#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 749
Ion Ratio Lower Upper
41 100
39 13.6 41.0 61.4#
67 0.0 62.4 93.6#
52 0.0 23.6 35.4#

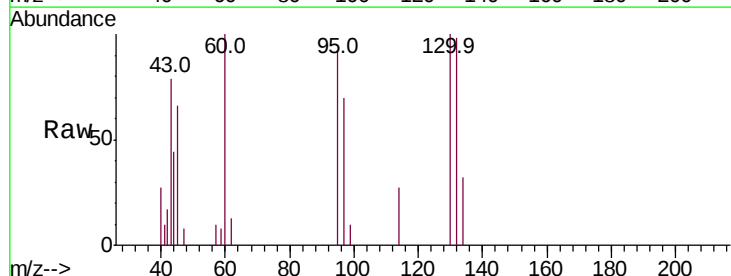


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

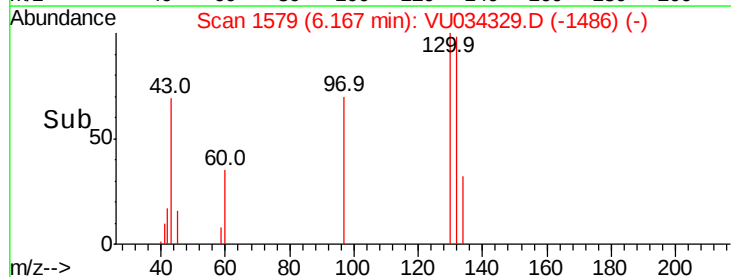
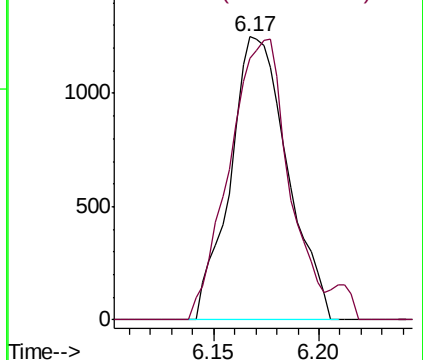


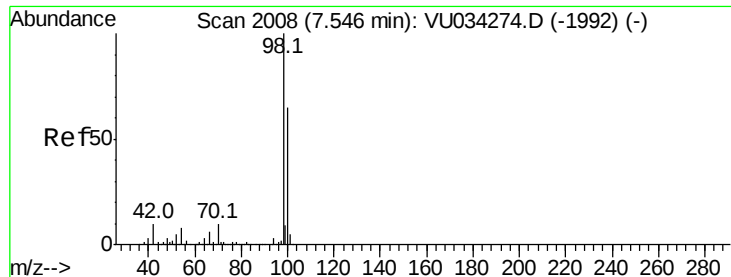
#44
Trichloroethene
Concen: 0.526 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Tgt Ion: 130 Resp: 2364
Ion Ratio Lower Upper
130 100
95 92.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

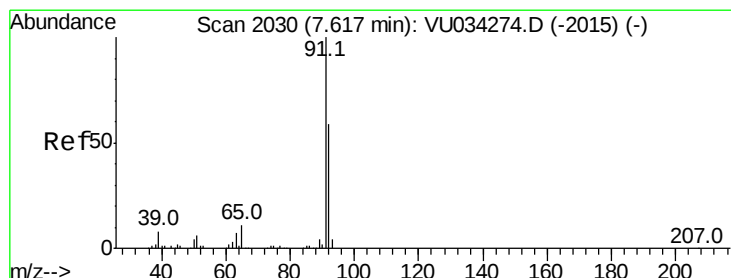
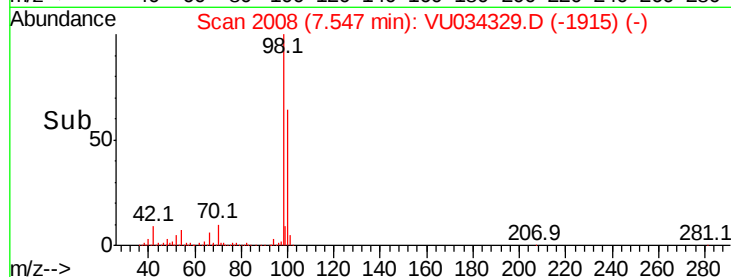
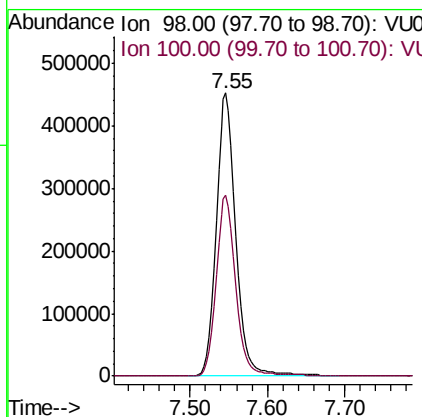
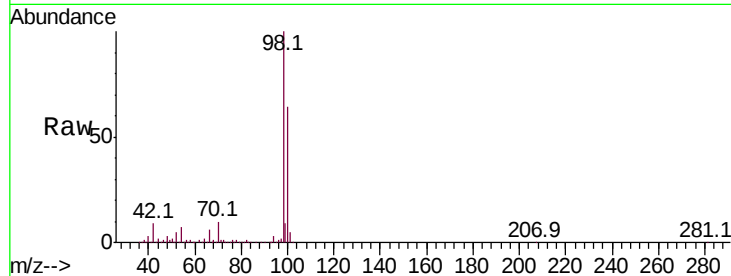




#50
Toluene-d8
Concen: 49.859 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

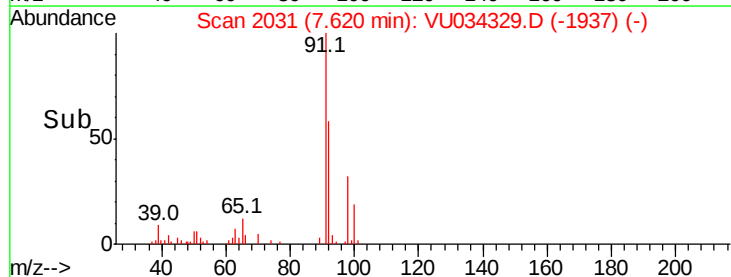
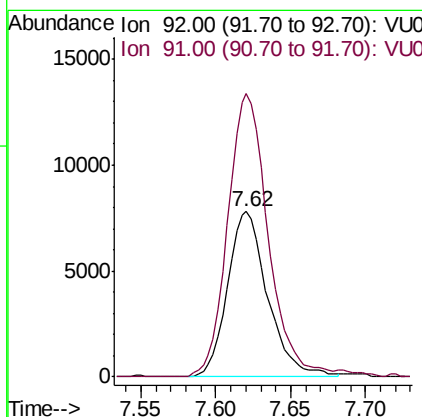
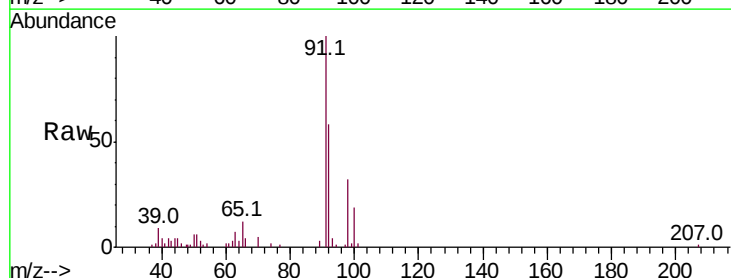
Instrument :
MSVOA_U
ClientSampled :

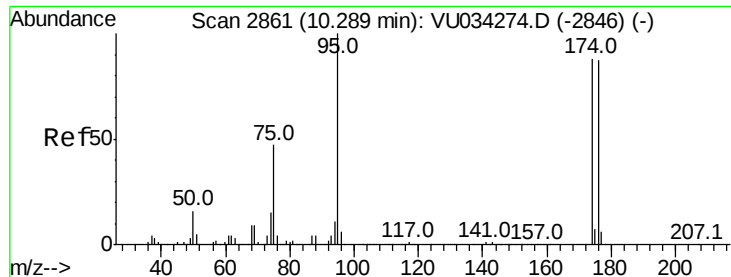
Tot Ion: 98 Resp: 809188
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#52
Toluene
Concen: 1.428 ug/l
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Tgt Ion: 92 Resp: 14556
Ion Ratio Lower Upper
92 100
91 172.6 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 48.267 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

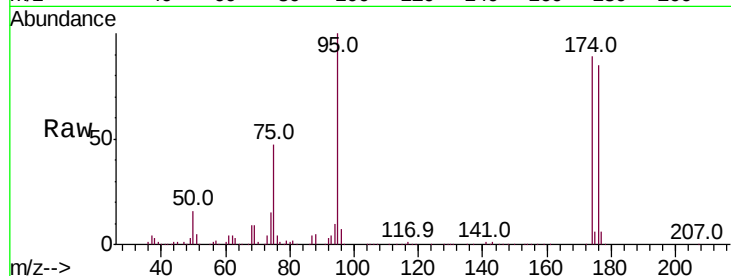
Tot Ion: 95 Resp: 302451

Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.2

176 83.9 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034329.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034329.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034329.D (-2846) (-)

250000

200000

150000

100000

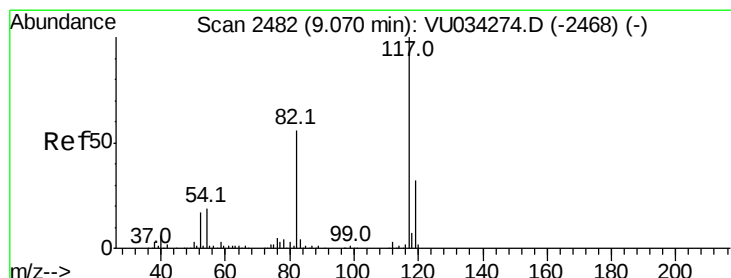
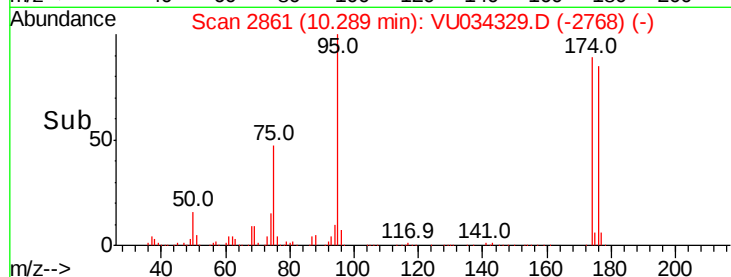
50000

0

10.29

10.20 10.30 10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

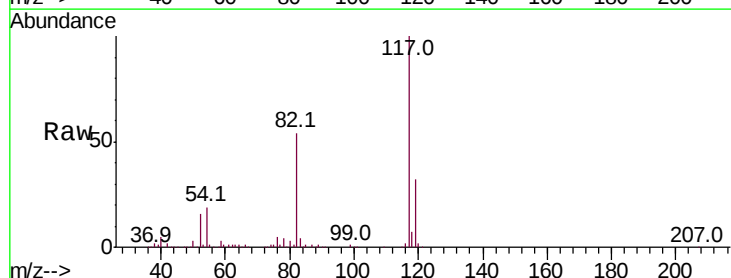
Tgt Ion: 117 Resp: 456175

Ion Ratio Lower Upper

117 100

82 53.7 44.6 67.0

119 31.6 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VU034329.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034329.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034329.D (-2389) (-)

300000

200000

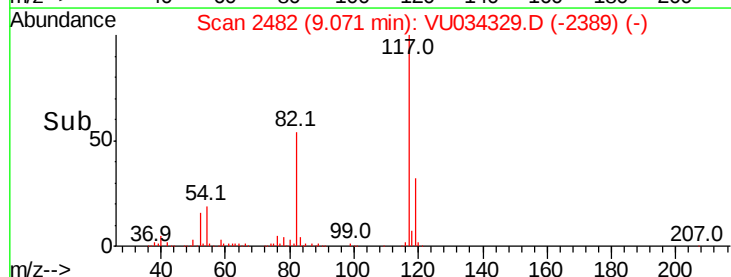
100000

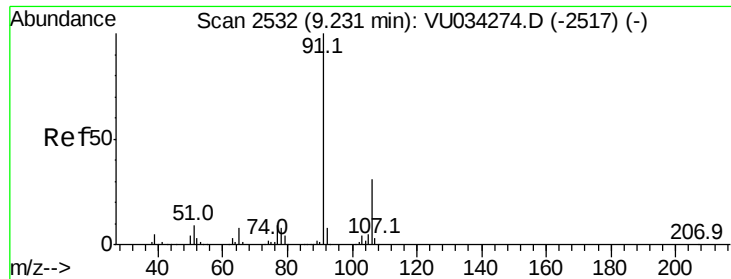
0

9.07

9.00 9.10 9.20

Time-->





#67

Ethyl Benzene

Concen: 7.351 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

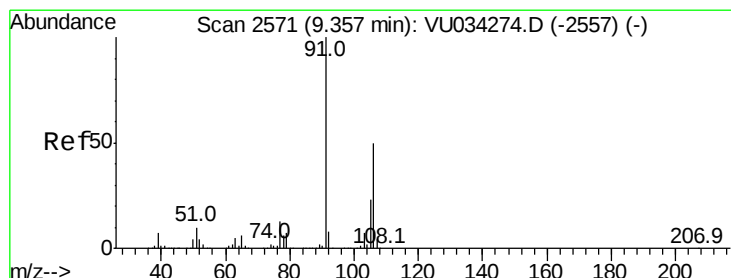
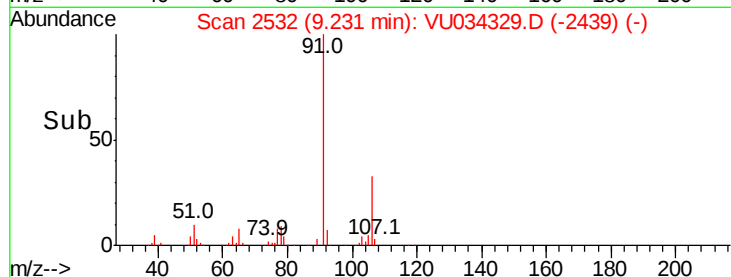
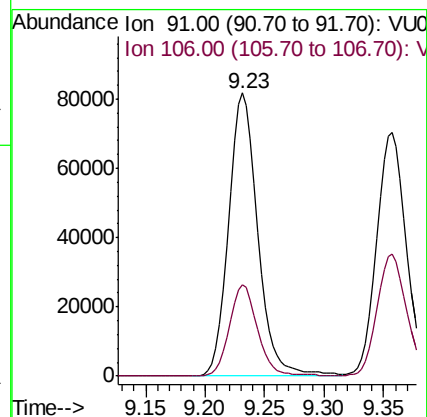
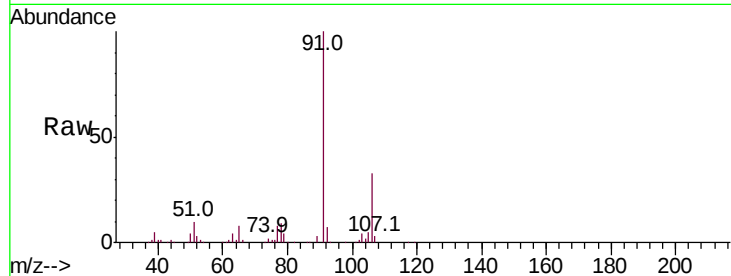
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 139104

Ion Ratio Lower Upper

91 100

106 32.5 24.8 37.2



#68

m/p-Xylenes

Concen: 8.683 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034329.D

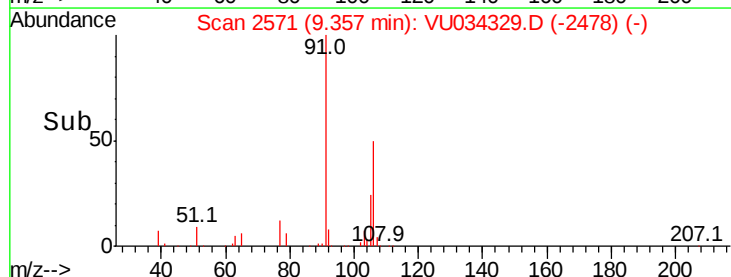
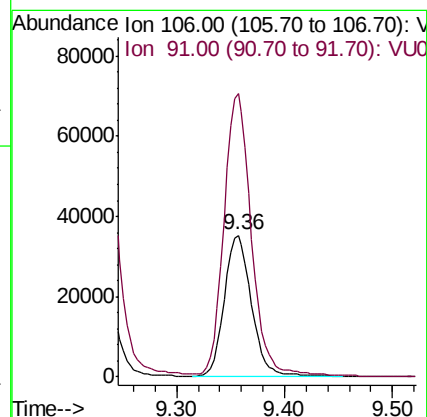
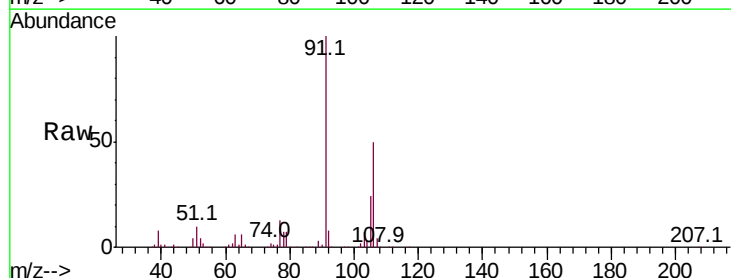
Acq: 06 Sep 2019 14:38

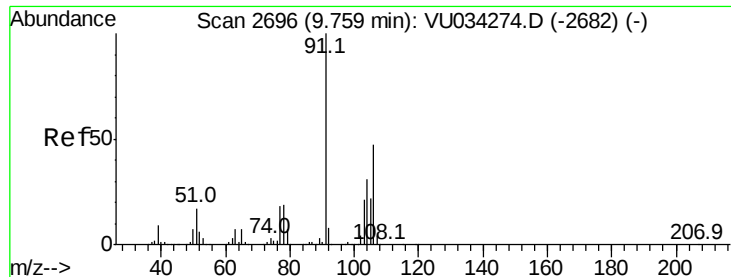
Tgt Ion: 106 Resp: 61875

Ion Ratio Lower Upper

106 100

91 200.3 160.1 240.1

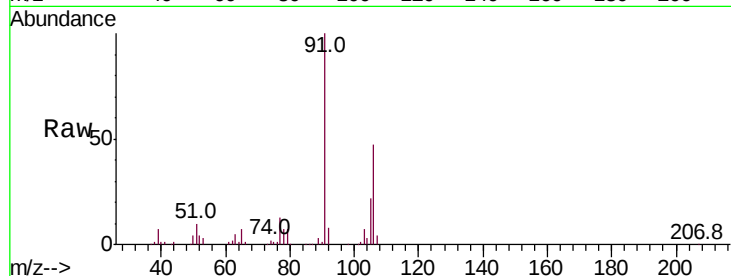




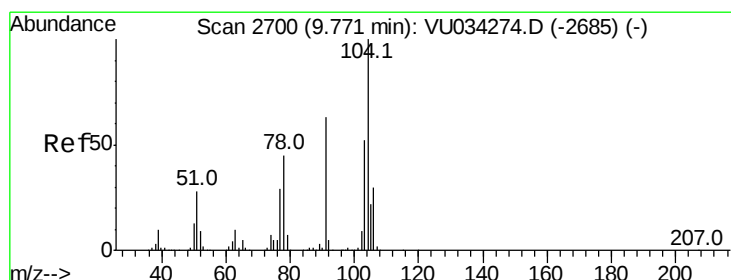
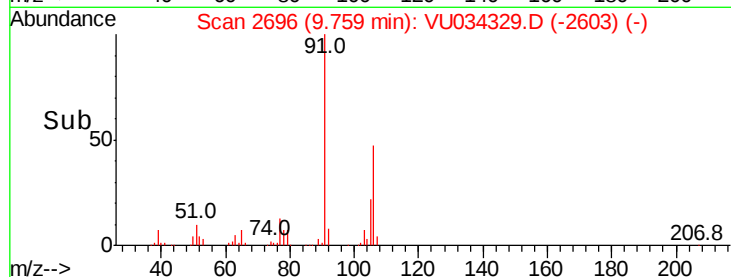
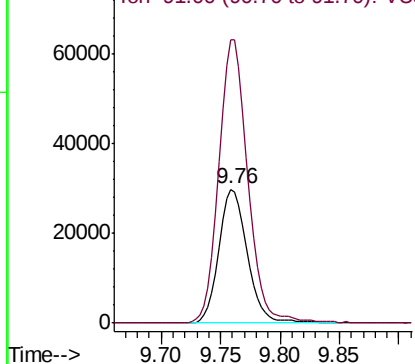
#69
o-Xylene
Concen: 7.160 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 49895
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.3

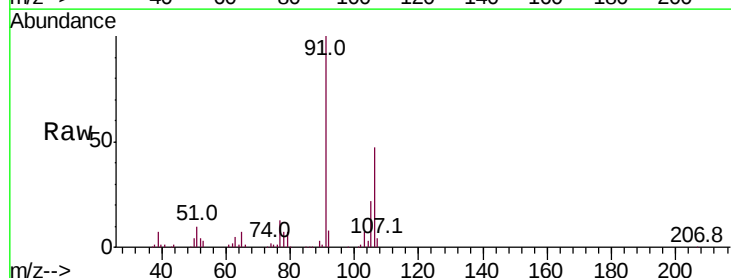


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

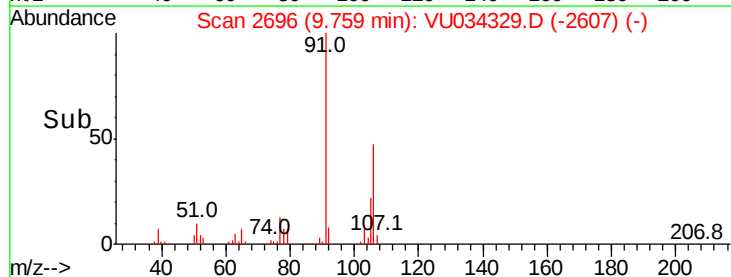
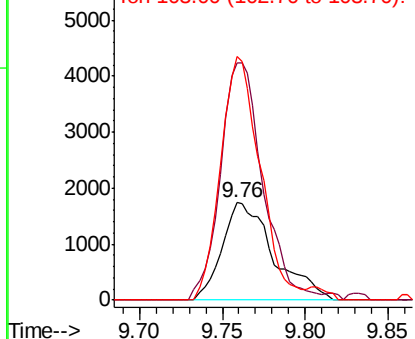


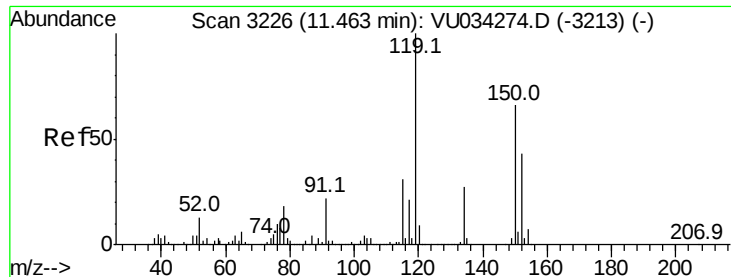
#70
Styrene
Concen: 0.307 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.01 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Tgt Ion:104 Resp: 3756
Ion Ratio Lower Upper
104 100
78 201.3 38.6 57.8#
103 192.2 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampled :

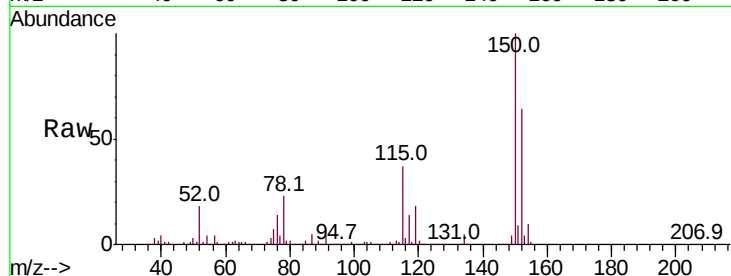
Tot Ion:152 Resp: 307423

Ion Ratio Lower Upper

152 100

115 57.3 39.1 117.3

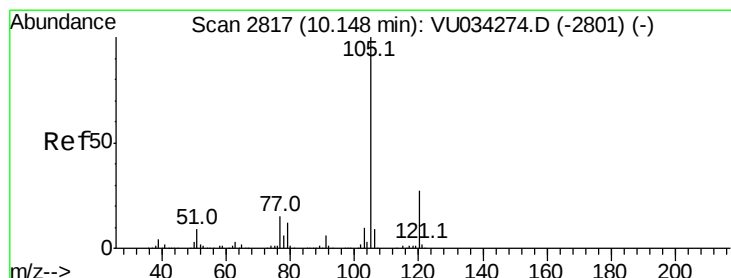
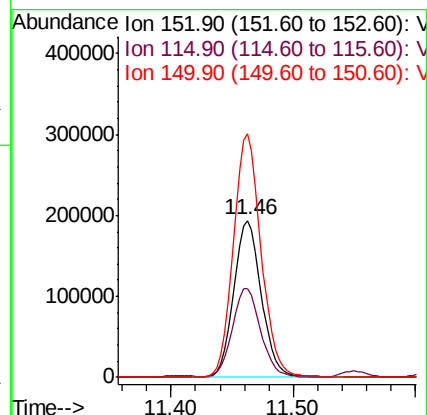
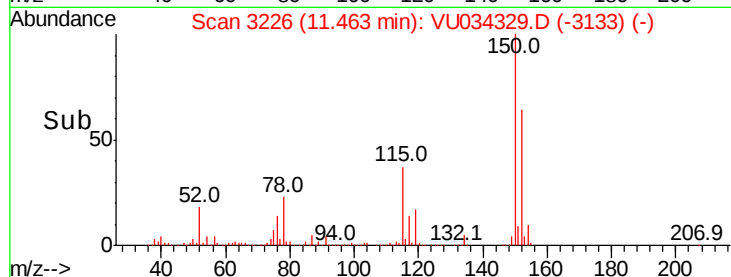
150 155.5 0.0 345.4



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: 2.651 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034329.D

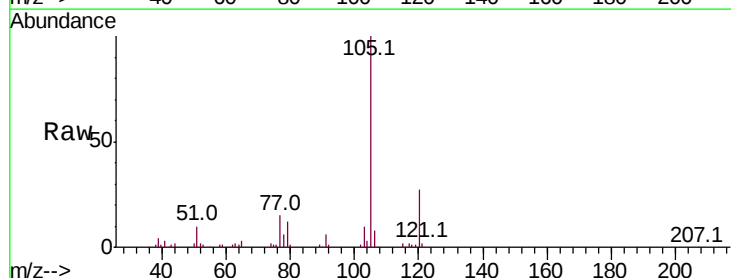
Acq: 06 Sep 2019 14:38

Tgt Ion:105 Resp: 53045

Ion Ratio Lower Upper

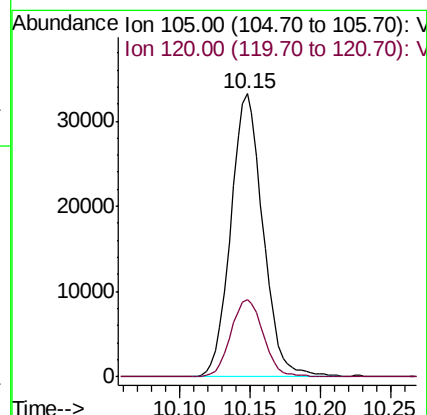
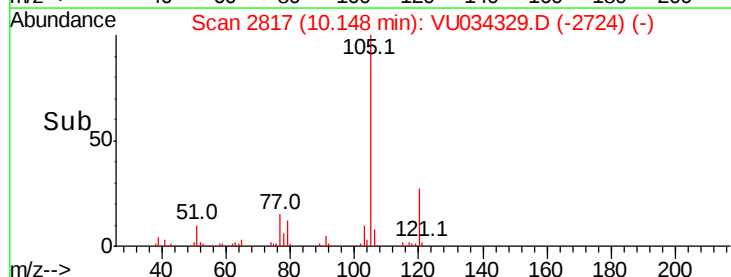
105 100

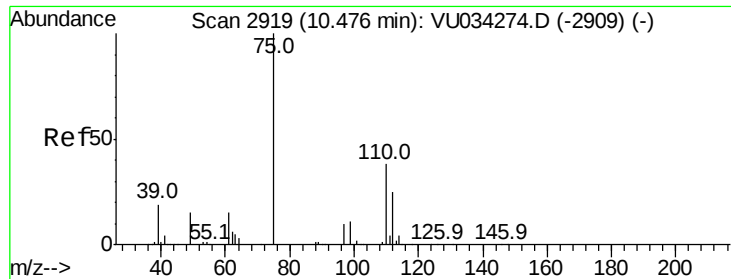
120 27.6 13.4 40.2



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: 21.121 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

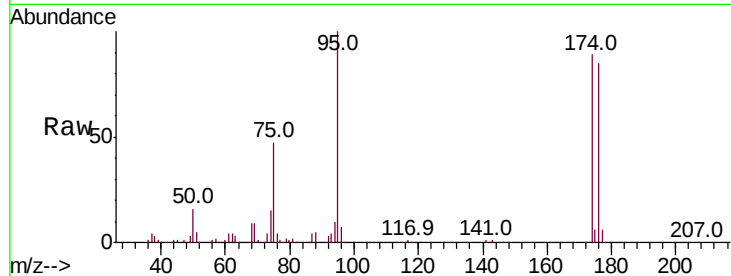
ClientSampleId :

Tot Ion: 75 Resp: 141732

Ion Ratio Lower Upper

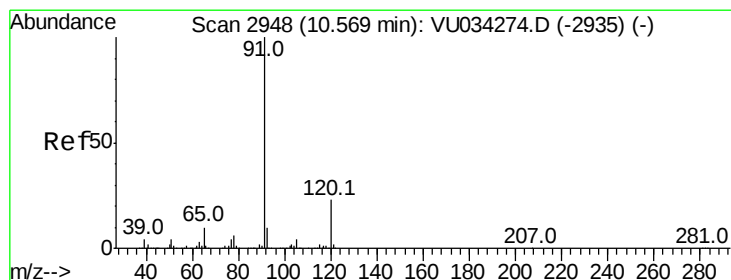
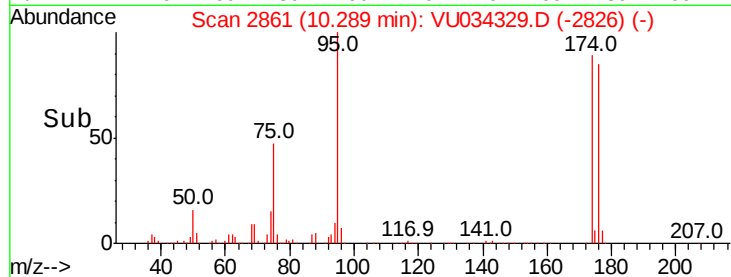
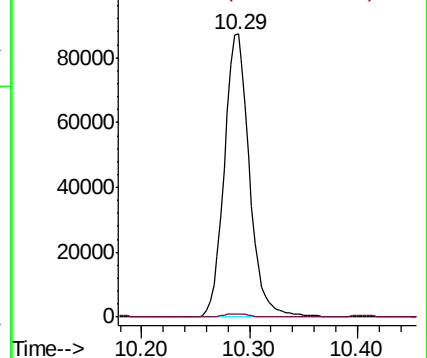
75 100

77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 1.241 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034329.D

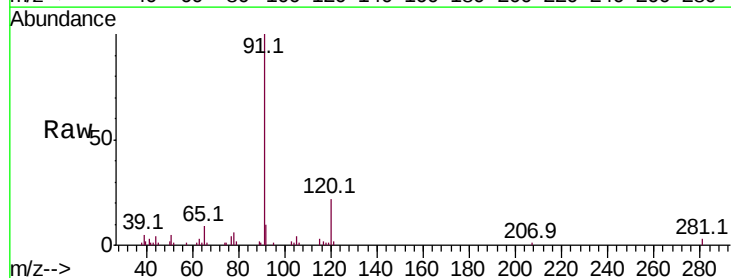
Acq: 06 Sep 2019 14:38

Tgt Ion: 91 Resp: 28675

Ion Ratio Lower Upper

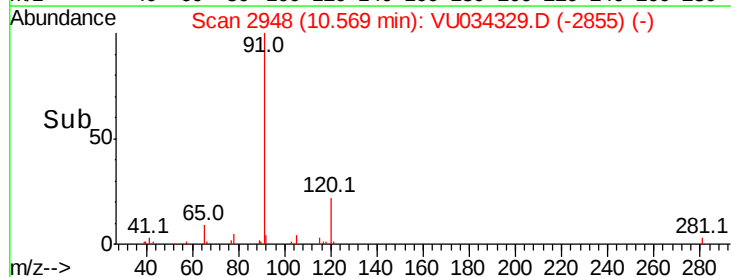
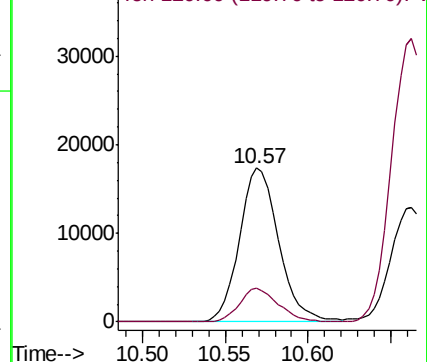
91 100

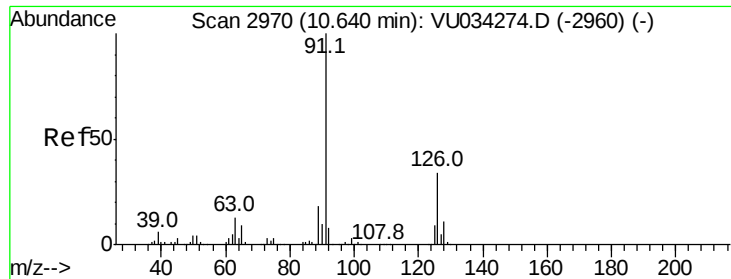
120 21.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.460 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.02 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

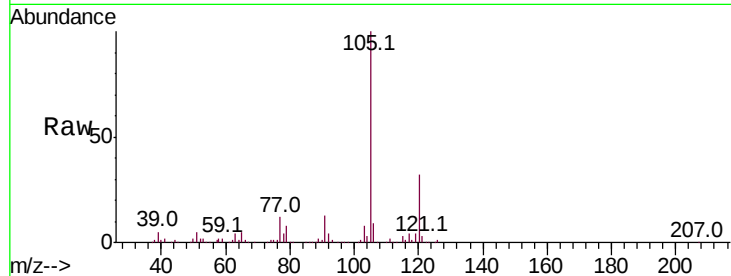
ClientSampled :

Tot Ion: 91 Resp: 20590

Ion Ratio Lower Upper

91 100

126 6.6 17.3 51.9#



Abundance Ion 91.00 (90.70 to 91.70): VU034329.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034329.D (-2960) (-)

15000

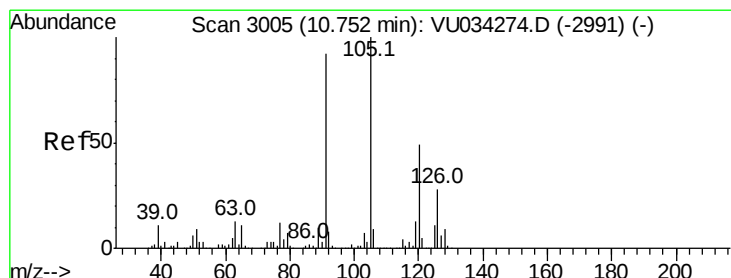
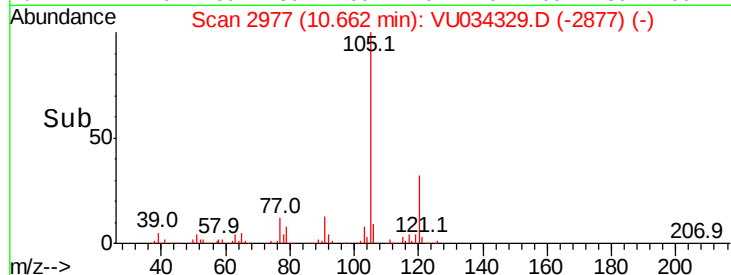
10.66

10000

5000

0

Time--> 10.60 10.65



#80

1,3,5-Trimethylbenzene

Concen: 9.555 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034329.D

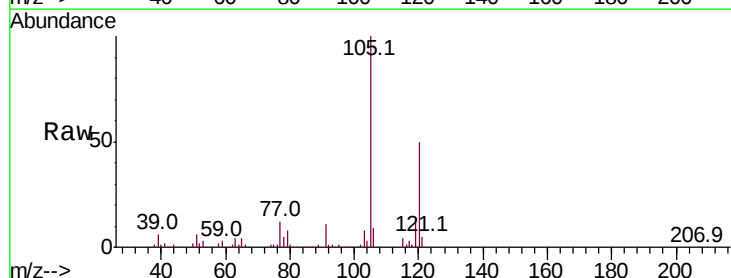
Acq: 06 Sep 2019 14:38

Tgt Ion: 105 Resp: 159878

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034329.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034329.D (-2991) (-)

120000

10.75

100000

80000

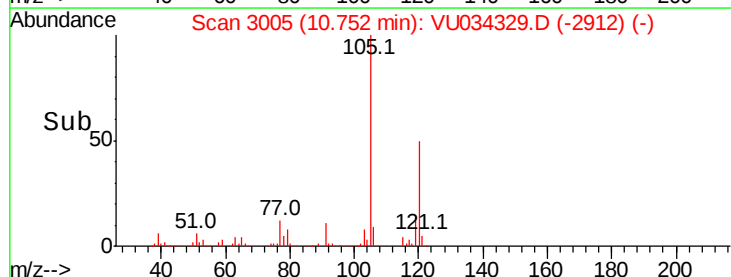
60000

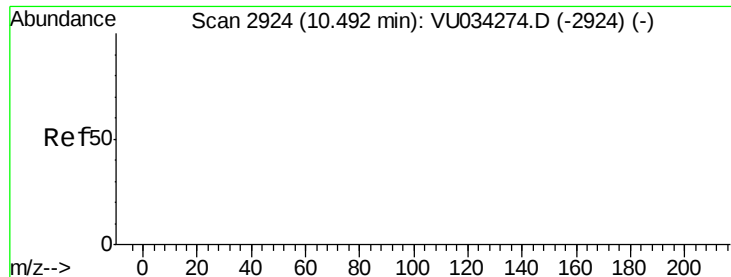
40000

20000

0

Time--> 10.70 10.75 10.80 10.85





#81

trans-1,4-Dichloro-2-butene

Concen: 71.028 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

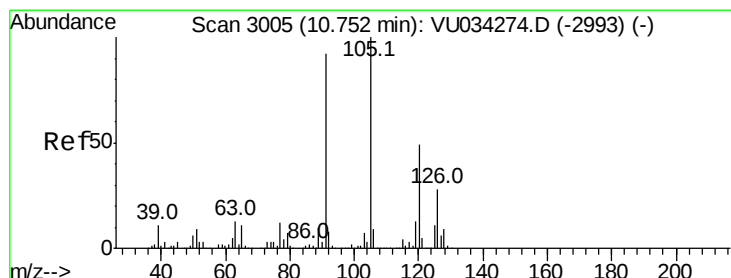
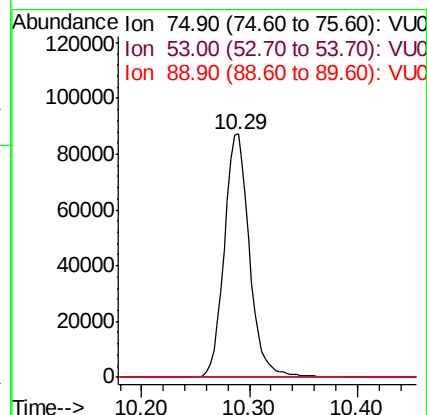
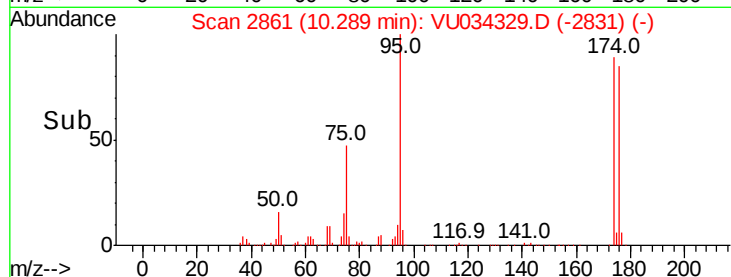
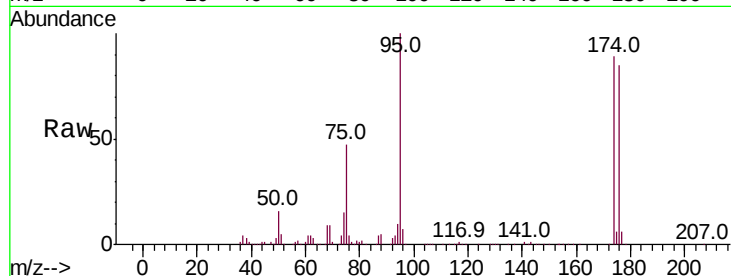
Tot Ion: 75 Resp: 141732

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 1.014 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034329.D

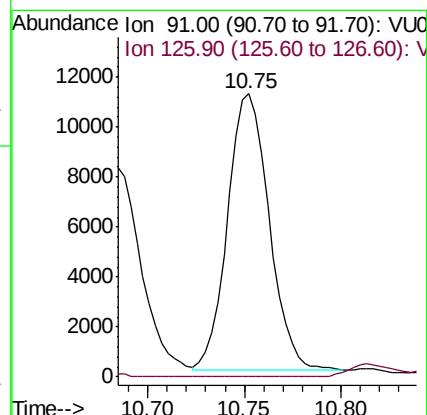
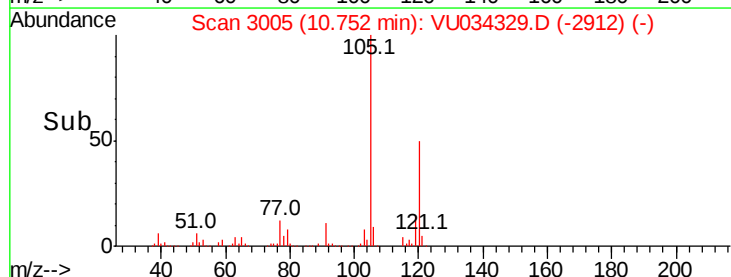
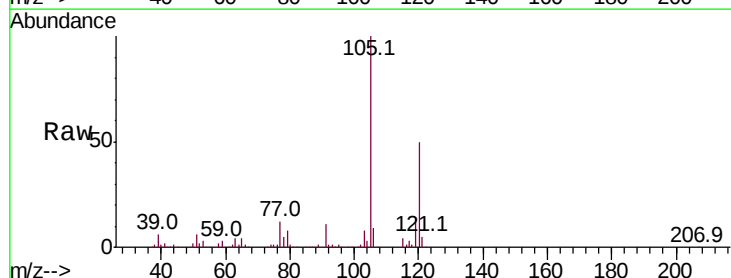
Acq: 06 Sep 2019 14:38

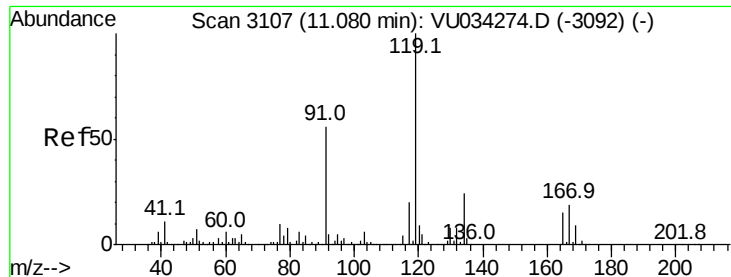
Tgt Ion: 91 Resp: 16459

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#





#83

tert-Butylbenzene

Concen: 3.700 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. 0.05 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

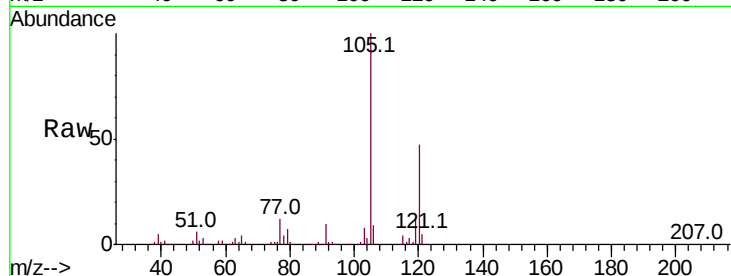
Tot Ion:119 Resp: 61933

Ion Ratio Lower Upper

119 100

91 76.3 27.8 83.4

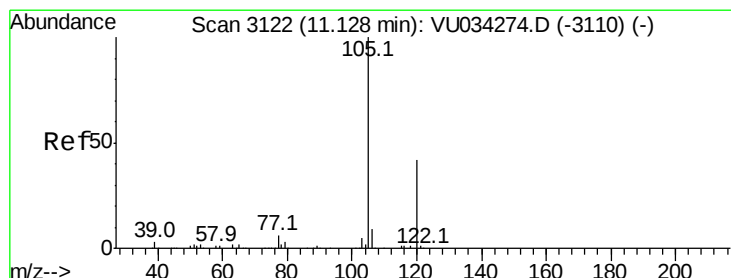
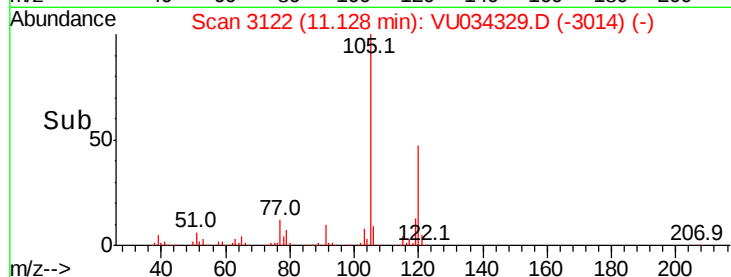
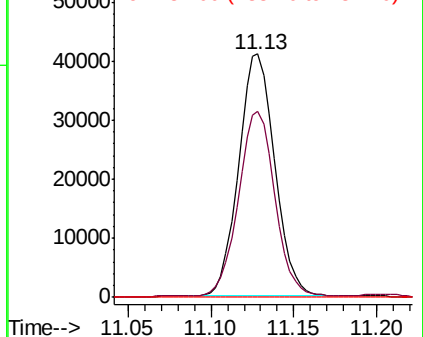
134 0.0 11.7 35.0#



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: 28.825 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. 0.00 min

Lab File: VU034329.D

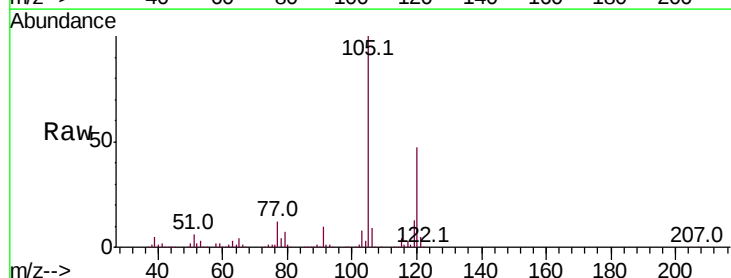
Acq: 06 Sep 2019 14:38

Tgt Ion:105 Resp: 485491

Ion Ratio Lower Upper

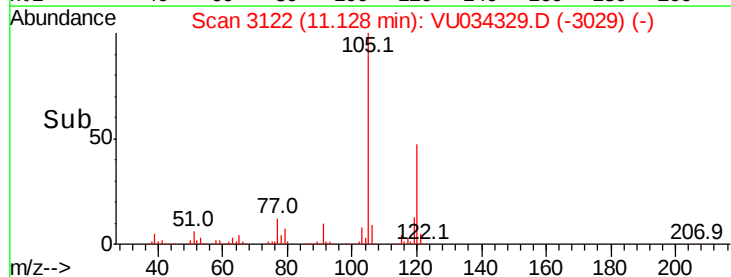
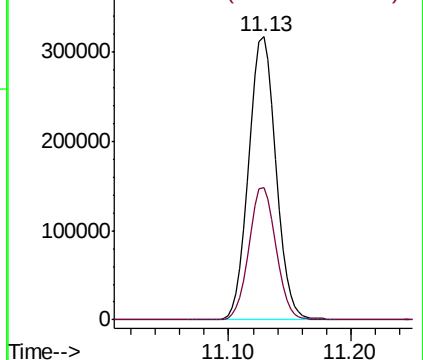
105 100

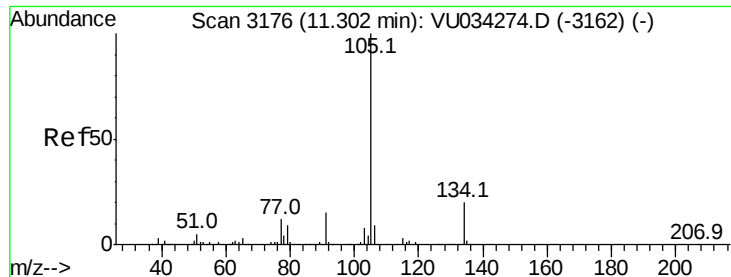
120 46.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.568 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. -0.17 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

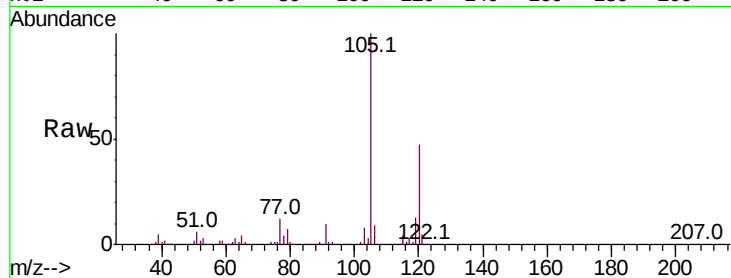
ClientSampleId :

Tot Ion:105 Resp: 485491

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.13

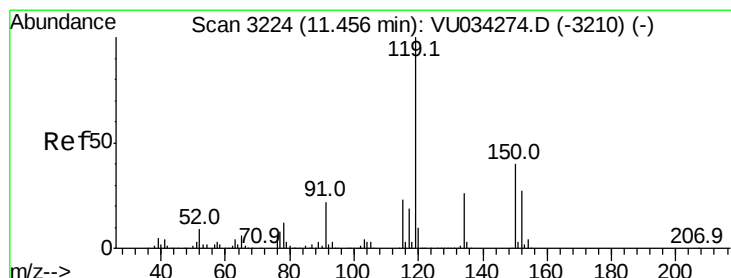
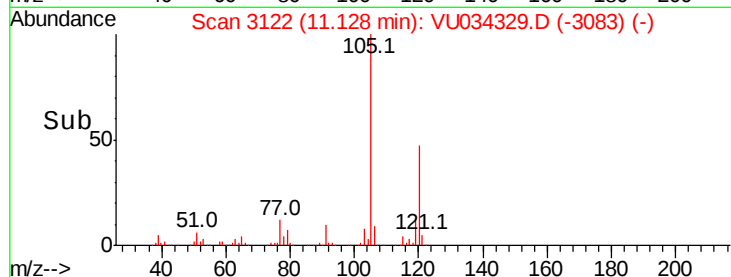
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.911 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

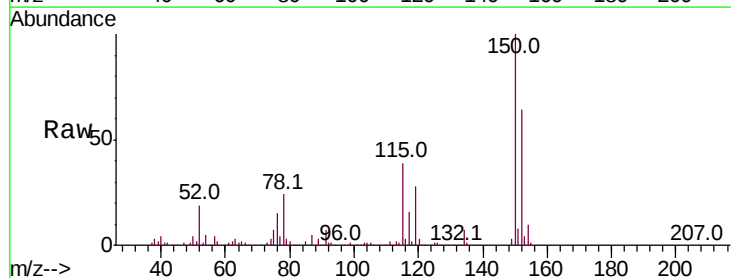
Tgt Ion:119 Resp: 107809

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 23.2 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

80000

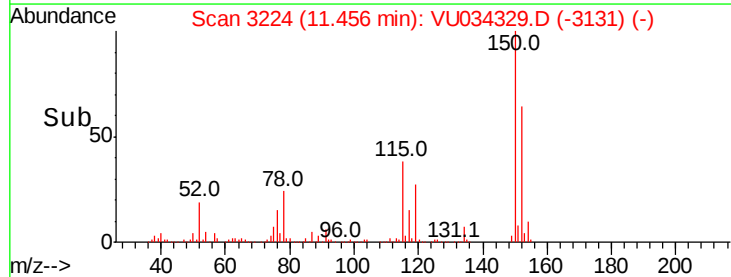
60000

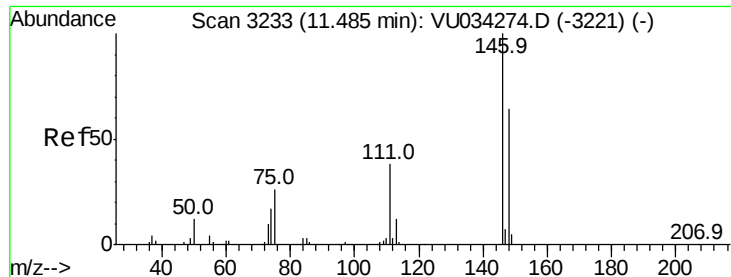
40000

20000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.223 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

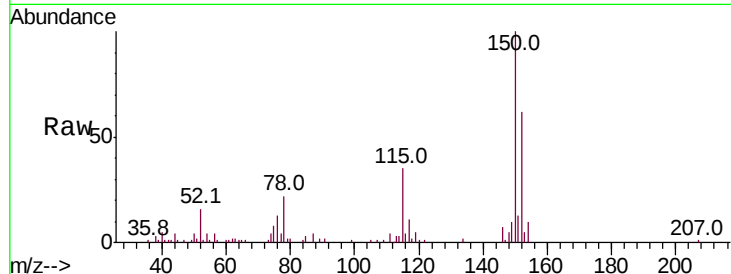
Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:146 Resp: 2376

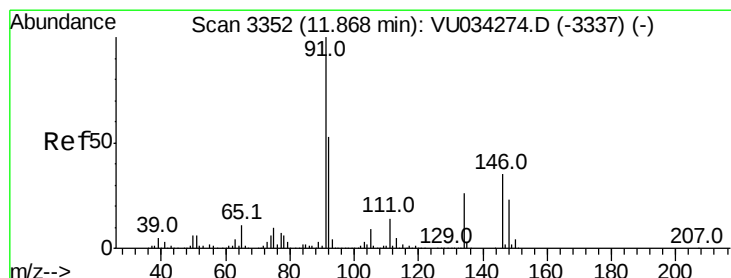
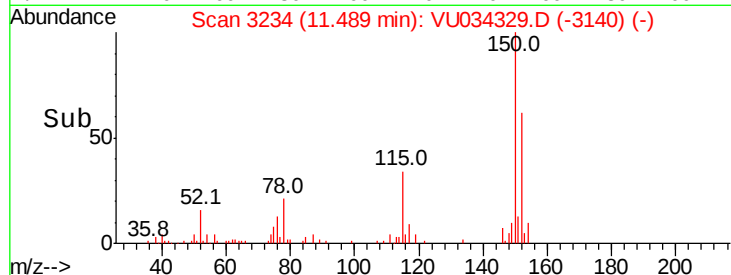
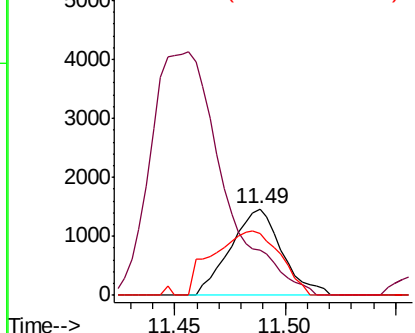
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.1	57.3#
148	97.2	32.0	96.0#



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: 1.729 ug/l

RT: 11.86 min Scan# 3348

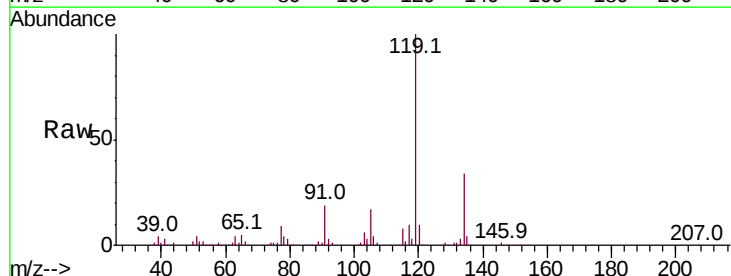
Delta R.T. -0.01 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Tgt Ion: 91 Resp: 27406

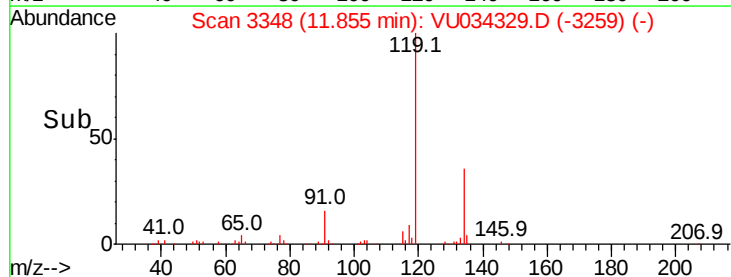
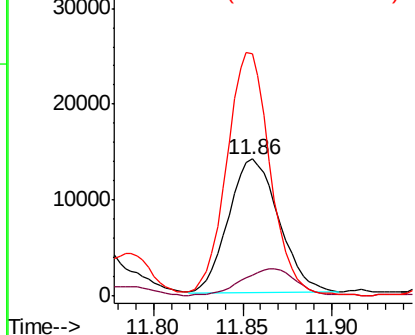
Ion	Ratio	Lower	Upper
91	100		
92	23.0	26.5	79.4#
134	158.7	13.2	39.6#

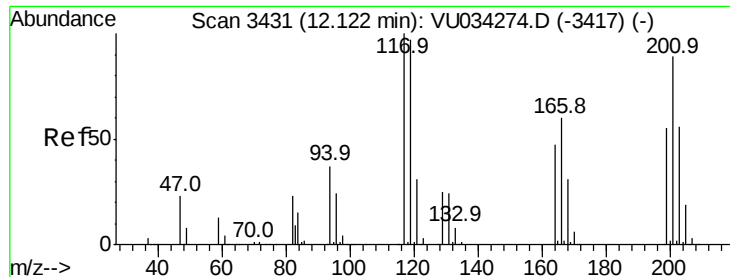


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

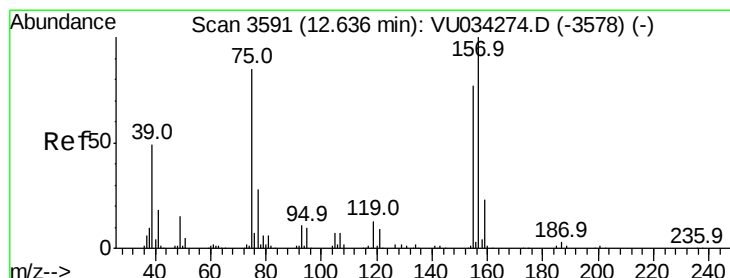
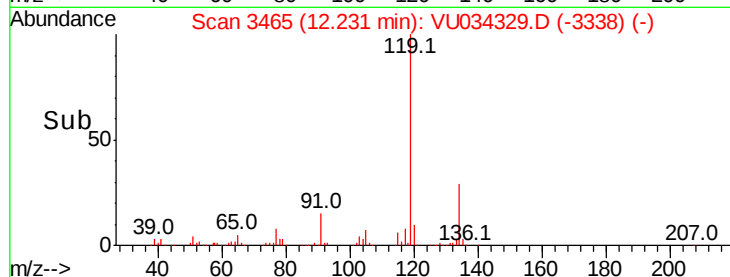
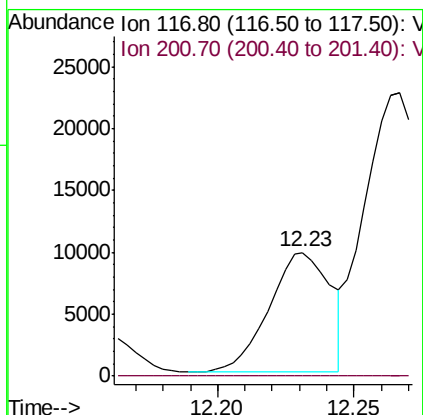
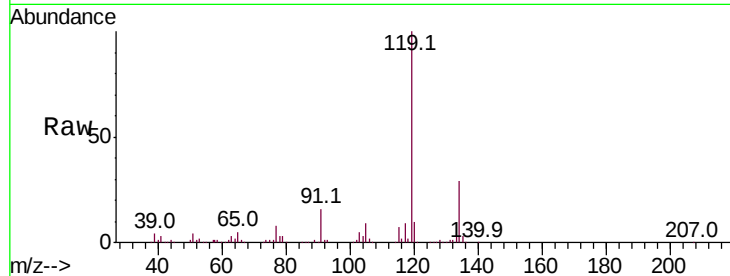




#90
Hexachloroethane
Concen: 5.183 ug/l
RT: 12.23 min Scan# 3465
Delta R.T. 0.11 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

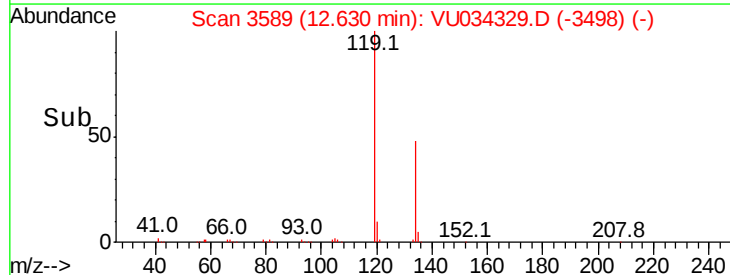
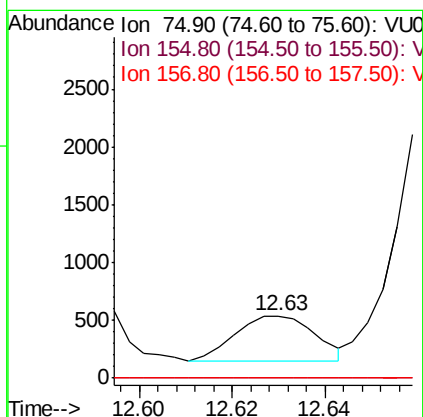
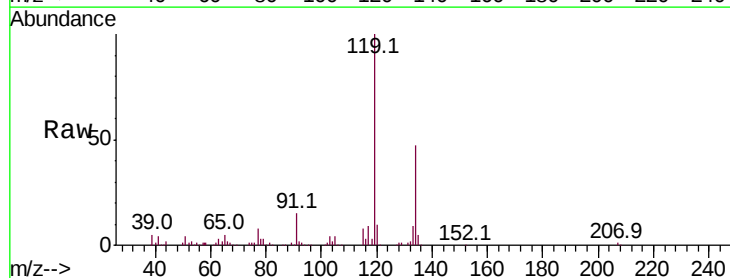
Instrument :
MSVOA_U
ClientSampleId :

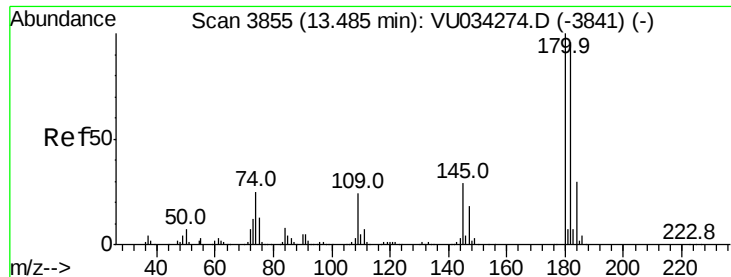
Tot Ion:117 Resp: 15125
Ion Ratio Lower Upper
117 100
201 0.0 44.1 132.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.312 ug/l
RT: 12.63 min Scan# 3589
Delta R.T. -0.01 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Tgt Ion: 75 Resp: 464
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.0 58.2 174.6#





#93

1,2,4-Trichlorobenzene

Concen: 3.546 ug/l

RT: 13.49 min Scan# 3856

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

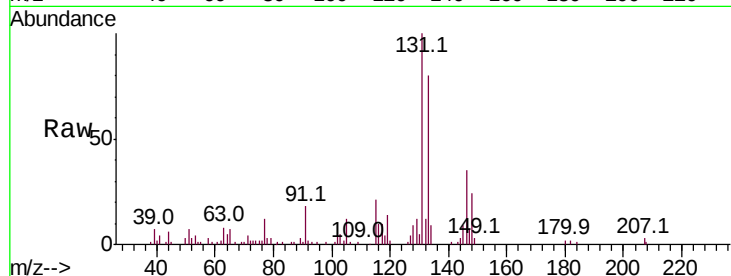
Tot Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 109.0 47.9 143.8

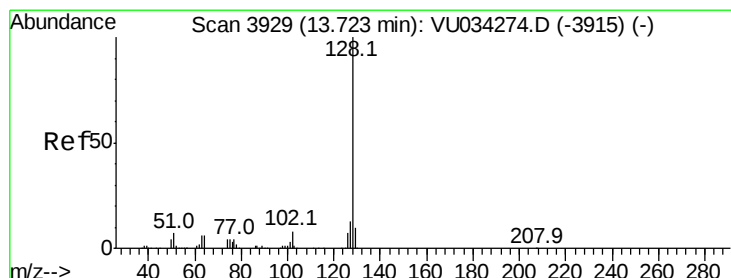
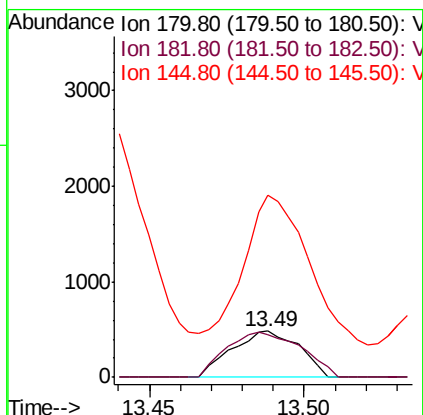
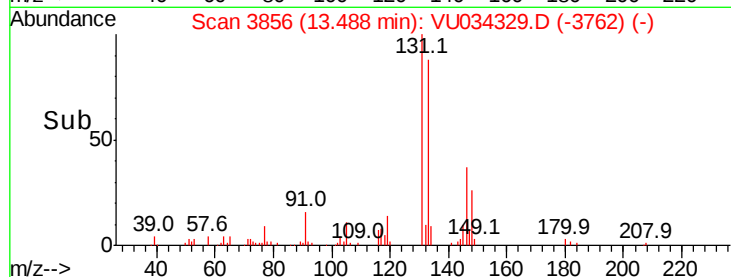
145 462.3 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 620.619 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

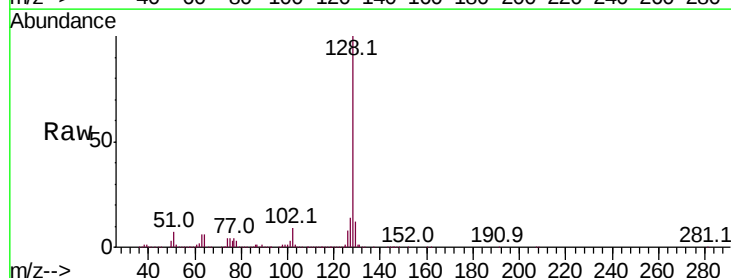
Tgt Ion:128 Resp:13723195

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

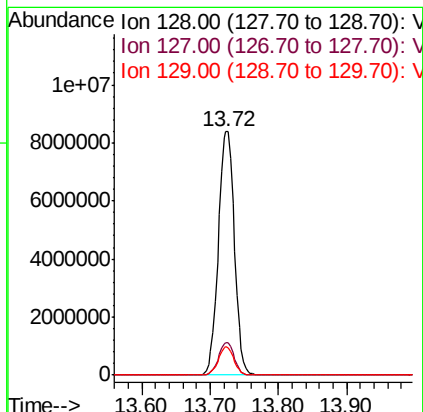
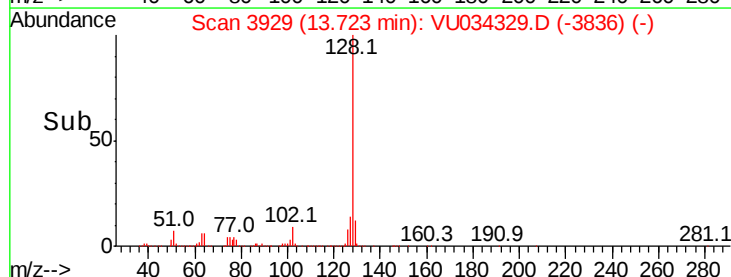
129 11.1 8.4 12.6

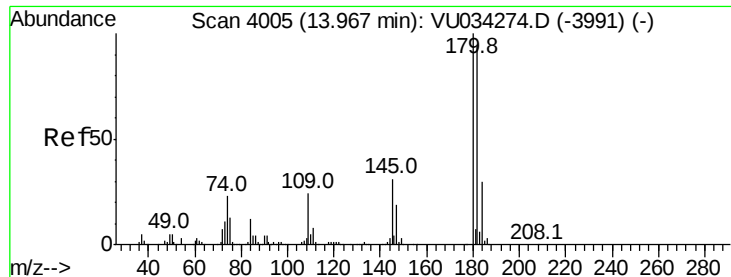


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

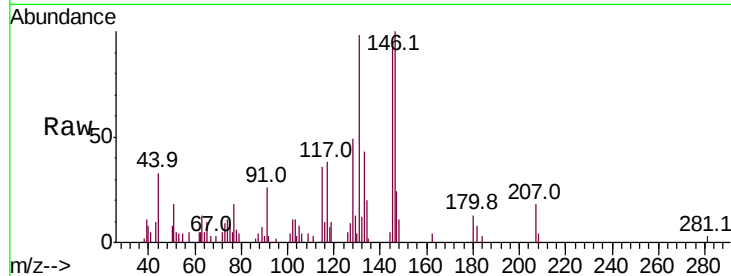




#96
 1,2,3-Trichlorobenzene
 Concen: 2.726 ug/l
 RT: 13.97 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 646
 Ion Ratio Lower Upper
 180 100
 182 87.8 48.4 145.0
 145 3579.3 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

